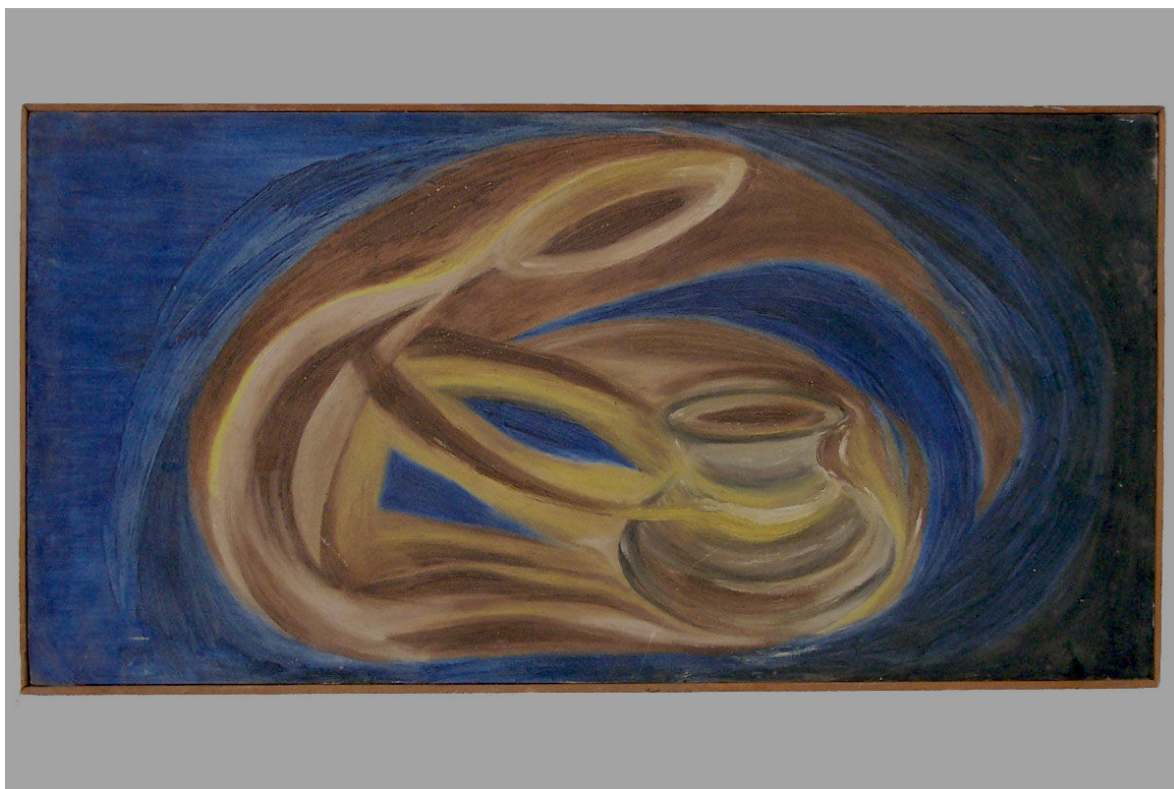




Zakir Husain Delhi College

University of Delhi



REVISED SELF STUDY REPORT

MAY 2016

Submitted to
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
BANGALORE

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*Painting: 'Act of Creation'.
Oil on Canvas.*

Teaching and learning is experimenting, thinking, conceiving, communicating. It is an unending process of creation and recreation both of the teacher and the taught.

*Courtesy, Dr. Sukrita Paul Kumar, Associate Professor, Department of English from 1976 -2014.
Aruna Asaf Ali Chair
Cluster Innovation Centre
University of Delhi*

ZAKIR HUSAIN DELHI COLLEGE

(UNIVERSITY OF DELHI)

Jawaharlal Nehru Marg, New Delhi - 110002
Tel.: 011-23232218, 23232219, 23233420, Fax : 011-23215906
Website: www.zakirhusaindelhicollege.in
email: zakirhusaindelhicollege@gmail.com



ज़ाकिर हुसैन दिल्ली कॉलेज

(दिल्ली विश्वविद्यालय)

जवाहरलाल नेहरू मार्ग, नई दिल्ली - 110002
दूरभाष: 011-23232218, 23232219, 23233420, फ़ैक्स: 011-23215906
वेब स्थल: www.zakirhusaindelhicollege.in
ई-मेल: zakirhusaindelhicollege@gmail.com

ZHC:PO:216:

August 20, 2016

DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

(Dr. R. Prabhakar Rao)

Officiating Principal

ZAKIR HUSAIN DELHI COLLEGE
JAWAHAR LAL NEHRU MARG
NEW DELHI-110002.

Place: Delhi

Date: 20.08.2016

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
August 20, 2016

CERTIFICATE OF COMPLIANCE

This is to certify that Zakir Husain Delhi College, a constituent College to University of Delhi, fulfils all norms of University Grants Commission.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.


(Dr. R. Prabhakar Rao)

Officiating Principal
ZAKIR HUSAIN DELHI COLLEGE
JAWAHAR LAL NEHRU MARG
NEW DELHI-110002.

Date : 20.08.16

Place : New Delhi

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PREFACE

The preparation of this self-study report was a participative process, which involved the contribution of all faculty members, administrative staff, accounts office and above all the students of the college. It enabled us to engage in self-analysis, and introspect on our strengths and weaknesses. It also encouraged us to work collectively in preparing a well-documented report about the academic, extra-curricular, sports and research activities undertaken by the college.

Zakir Husain Delhi College has over the years tried to create an environment, which reflects the diversely dynamic culture of both our teachers and students. In our interaction with the college community we always try to preserve this composite culture in a harmonious way. We have also enabled and empowered our girl students from the walled city by nurturing self-confidence, importance of self-independence and self-sustenance in them. Facilitating their education has resulted in changing their perception of the advantages of higher education.

The college has endeavored to practice environment friendly measures. Native trees, which need very little care and attract birds easily, are planted in our nursery in collaboration with BNHS. We are now in a position to supply these saplings. Trees, creepers, bushes and grass of different types have been developed to enhance bio-diversity values. Composting of leaves and cut grass is done in the college. E- waste is collected by the NGO “Chintan”, on a regular basis. Solar panels will be installed soon.

With our limited infrastructure, which we share with the evening college, we have attempted to steadily expand our facilities to cater to the best interest of the students. Our library is well stocked and every effort is being made to improve our computer and science laboratories. The college is making all efforts to prepare our students to face the challenges and demands of modern technology and education.

I would like to use this platform to thank all my colleagues involved in the preparation of this report. Making this report has allowed us to work at close quarters with our colleagues across various departments and understand the workings and practices therein. While doing so we have also been able to arrive at visualizing long term visions and goals for the college community, and engage in improving its dynamic culture for its overall growth and development.

Dr. Prabhakar Rao
Acting Principal
Zakir Husain Delhi College
University of Delhi
Delhi- 110002

Steering Committee

Dr. R. Prabhakar Rao (Principal)

Dr. K. K. Arora (Co-ordinator)

Dr. Vibha Singh Chauhan

Dr. Mukesh Kumar Jain

Mr. Satish Kumar Rajouria

Dr. Dhiraj Kumar Singh

Dr. Bodh Prakash

Dr. Sarita Passey

Mr. Ravi Ranjan

Dr. Vijender Singh Chauhan

Ms. Iyer Vibha

Content Creation Team

Dr. Abdul Aziz

Dr. Sangeeta Pandita

Dr. Devesh Vijay

Dr. P.K. Shishodia

Dr. Mukul Chaturvedi

Dr. Anita Katna

Ms. Nisha Jaiswal

Ms. Shivani

Dr. Reeta

Dr. Ragesh P.R.

Dr. Swati Aggarwal

Dr. B. Hareram Das

Dr. Aftab Alam

Dr. Mohsineen Wazir

Dr. Sunil Kumar

Dr. Jyoti Tyagi

Dr. Tabassum Jehan

Ms. Sayema

Dr. Deepika Sharma

Dr. Mohd. Afzal

Dr. Saba Khan

Dr. Anuradha Marwah

Dr. Ratnum Kaul Wattal

Dr. Mohd. Arif

Dr. Babeeta C. Kaula

Dr. Neelam Pahwa

Dr. Sonu Trivedi

Dr. Mehmood Alam

Dr. Nidhi Dhawan

Dr. Abdul Wahid Farooqi

Dr. Ataullah

Dr. Satish Ganta

Ms. Manashi Misra

Dr. Abdul Hameed PA

Dr. Sanjeev Kumar Mishra

Dr. Savinder Singh

Dr. Ritu Mathur

Dr. Ahmed Khan

Dr. Shahzad Ahmad

Mr. Imran Khan

Administrative Support

Mr. M. Zafar Kamal

Mr. Ayaz Ahmad

Mr. Mumtaz Ali Hashmi

Ms. Samia Qureshi

Mr. Shehzad Ahmad

Mr. Naseem Raza

LIST OF ABBREVIATIONS

AC:	Air-conditioned
AIIMS:	All India Institute of Medical Sciences
AMD:	Advanced Micro Devices
AMU:	Aligarh Muslim University
ANDC:	Acharya Narendra Dev College
APAR:	Annual Performance Appraisal Report
ASC:	Academic Supervisory Committee
ATE:	Automatic Test Equipment
AV Room:	Audio-visual room
AVR:	Automatic Voltage Regulator
B.Com. (H):	Bachelor of Commerce (Hons)
B.Com. (Prog):	Bachelor of Commerce (Programme)
B.Ed.:	Bachelor of Education
B.Sc.:	Bachelor of Science
B.A. (H):	Bachelor of Arts
BCIL:	Biotech Consortium India Limited
BCR:	Boys Common Room
BIMTECH:	Birla Institute of Management Technology
BOD incubator:	Biological Oxygen Demand Incubator
BRAC:	Bhim Rao Ambedkar College
BRS:	Board of Research Studies
CBSE:	Central Board of Secondary Education
C.S.S. University:	Chaudhary Charan Singh University
CA:	Chartered Accountant
CABI:	Centre for Agriculture and Biosciences International
CAG:	Comptroller and Auditor General
CAT:	Common Admission Test
CBCS:	Choice Based Credit System
CCC:	Course on Computer Concepts
CCPC:	Central Pool Complaints Committee
CCS:	Chaudhary Charan Singh University
CCTV:	Closed-circuit Television
CEC:	Consortium for Educational Communication
CFL:	Compact Fluorescent Lamp
CIC:	Cluster Innovation Centre
CIL:	Central Institute of Languages
CNG:	Compressed Natural Gas
CO ₂ :	Carbon dioxide
CPCB:	Central Pollution Control Board

CPF:	Contributory Provident Fund
CR:	Class Representative
CS:	Company Secretary
CSE:	Centre for Science and Environment
CSIR:	Council of Scientific & Industrial Research
DBC:	Deshbandhu College
DBT:	Department of Biotechnology
DCAC:	Delhi College of Arts and Commerce
DDU:	Deen Dayal Upadhyay College
DRC:	Departmental Research Committee
DRDO:	Defense Research and Development Organization
DSC:	Dyal Singh College
DSKC:	DSK Centre for Research and Innovation in Science Education
DSLR:	Digital Single-Lens Reflex Camera
DST:	Department of Science and Technology
DTU:	Delhi Technological University
DU:	Delhi University
DULS:	Delhi University Library System
DU-NSDC:	University of Delhi- National Skill Development Corporation
DUSU:	Delhi University Students Union
ECA:	Extra-curricular activity
EOC:	Equal Opportunity Cell
EPD:	Ethics in Public Domain
EVM:	Electronic Voting Machine
FRI:	Forest Research Institute
FYUP:	Four-Year Undergraduate Programme
G.B. Pant Hospital:	Govind Ballabh Pant Hospital
G.B.:	Governing Body
GB:	Gigabyte
Gbps:	Gigabyte per second
GCR:	Girls common room
GE:	Generic Elective
GMAT:	Graduate Management Admission Test
GOONJ:	NGO which undertakes disaster relief
GPF:	General Provident Fund
GRE:	Graduate Record Examination
H ₂ S:	Hydrogen Sulphide Gas
HC:	Hindu College
HDD:	Hard Disk Drive
He-Ne Laser:	Helium Neon Laser
HOD:	Head of Department
HP:	Hewlett Packard

HPCL:	Hindustan Petroleum Corporation Limited
HRD Ministry:	Human Resource Development Ministry
HRM:	Human Resource Management
HTC:	Home Travel Concession
HTML:	HyperText Markup Language
IARI:	Indian Agricultural Research Institute
IBM:	International Business Machines Corporation
ICAI:	Institute of Chartered Accountants of India
ICCR:	Indian Council for Cultural Relations
ICGEB:	International Centre for Genetic Engineering and Biotechnology
ICHR:	Indian Council of Historical Research
ICPR:	Indian Council for Philosophical research
ICSI:	Institute of Company Secretaries of India
ICSSR:	Indian Council of Social Science Research
ICT:	Information and Communications Technology
ICWA:	Indian Council of World Affairs
IGNOU:	Indira Gandhi National Open University
IIC:	India International Centre
IIC-AIIMS:	India International Centre- All India Institute of Medical Sciences
IIM:	Indian Institute of Management
IIPA:	Indian Institute of Public Administration
IISc:	Indian Institute of Science
IISER:	Indian Institute of Science, Education and Research
IIT:	Indian Institute of Technology
ILL:	Inter-library Loan Service
ILLL:	Institute of Life Long Learning
INFLIBNET:	Information and Library Network
INTACH:	Indian National Trust for Art and Cultural Heritage
IPC:	Indraprastha College
IQAC:	Internal Quality Assurance Cell/ Committe
ISCA:	International Science Congress Association
ISO:	International Organization for Standardization
IT:	Information Technology
IUC:	Inter University Centre
J&K:	Jammu and Kashmir
JCCC:	J-Gate Custom Content for Consortium
JDM:	Janki Devi Memorial College
JMI:	Jamila Millia Islamia
JNU:	Jawaharlal Nehru University
KMC:	Kirori Mal College
KMnO ₄ :	Potassium permanganate
KVA:	kilovolt-ampere

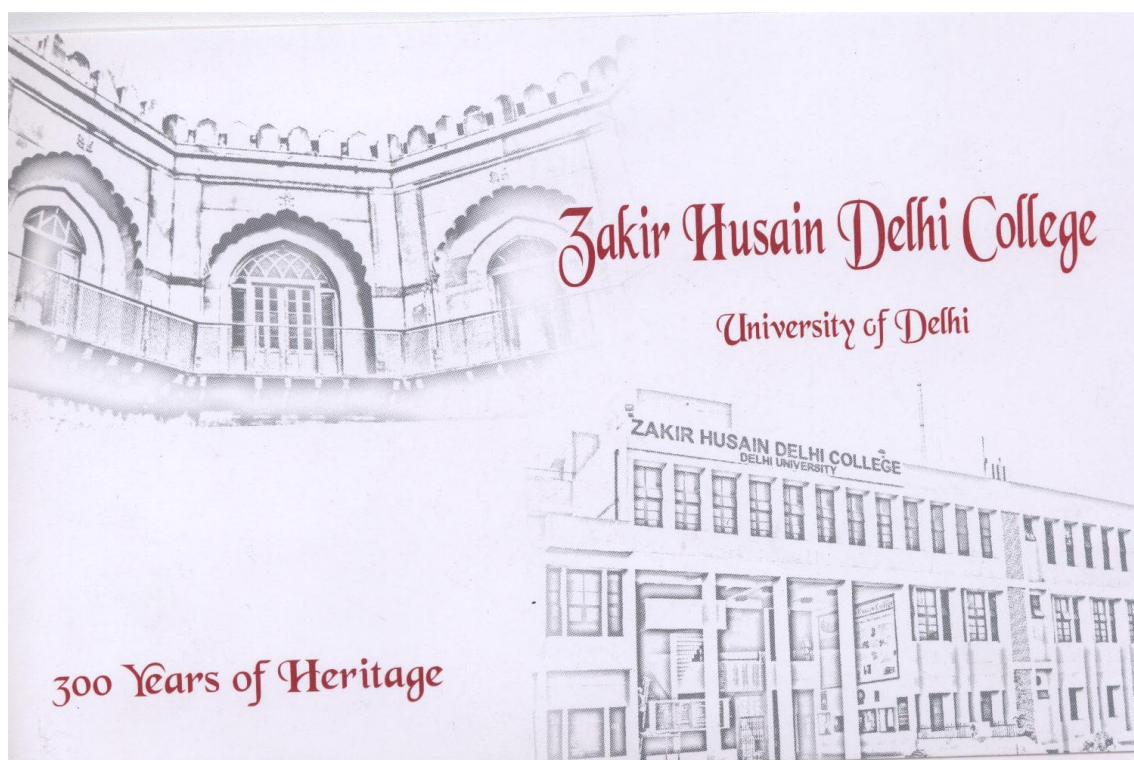
L.N.J.P. Hospital:	Lok Nayak Jai Prakash Narayan Hospital
Lab:	Laboratory
LAN:	Local Area Network
Latex:	High-Quality Typesetting System
LCD:	Liquid Crystal Display
LED:	Light Emitting Diode
LLB:	Bachelor of Laws
LOA:	Local Area Network
LSR:	Lady Shri Ram College for Women
LT panels:	Low Tension Panels
LTC:	Leave Travel Concession
M.A:	Master of Arts
MAMC:	Maulana Azad Medical College
MBA:	Master of Business Administration
MCCB:	Module case circuit breaker
MCQ:	Multiple choice questions
MH:	Miranda House
MIHER:	Max Institute of Health Education and Research
MIL:	Modern Indian Languages
MOU:	Memorandum of Understanding
MS-office:	Microsoft Office
N LIST:	National Library and Information Services infrastructure for Scholarly Content
NAAC:	National Assessment and Accreditation Council
NASI:	National Academy of Sciences, India
NCART:	National Coalition for Assistive and Rehab Technology
NCC:	National Cadet Corps
NCERT:	National Council of Educational Research and Training
NCT:	National Capital Territory
NET:	National Eligibility Test
NGO:	Non-Governmental Organization
NII:	National Institute of Immunology
NIOS:	National Institute of Open Schooling
NIPGR:	National Institute of Plant Genome Research
NIRC:	Northern India Regional Council
NKN:	National Knowledge Network
NME-ICT:	National Mission on Education through Information and Communication Technology
NPL:	National Physical Laboratory
NPS:	New Pension Scheme
NPTEL:	National Programme on Technology Enhanced Learning
NRCPB:	National Research Centre on Plant Biotechnology
NSIT:	Netaji Subhas Institute of Technology
NSS:	National Service Scheme

NSS:	National Service Scheme
NSUI:	National Students' Union of India
OBC:	Other Backward Castes
OPAC:	Online Public Access Catalogue
OSD:	Officer on Special Duty
PA Room:	Personal Assistant Room
PBAS:	Performance Based Appraisal System
PCB:	Printed Circuit Board
PCRA:	Petroleum Conservation research Association
PF:	Provident Fund
PF:	Provident Fund
PG:	Post-graduation
PGDAV:	Pannalal Girdharlal Dayanand Anglo-Vedic College
PH:	Physically Handicapped
pH:	Potential of Hydrogen
PI:	Principal Investigator
PPT:	PowerPoint
PWD:	Public Works Department
RAM:	Random Access Memory
RTI:	Right to Information Act 2005
SBS:	Shaheed Bhagat Singh College
SC/ST/OBC:	Schedule Castes/Schedule Tribes/Other Backward Castes
SCR:	Staff Requirement Committee
SHEP:	Safety, Health, and Environmental Programme
SIFE:	Sankalp International Foundation of Education
SLA:	Service-Level Agreement
SLET:	State Level Eligibility Test
Sq.m:	Square meter
SRCC:	Shri Ram College of Commerce
SRIM:	Shri Ram Institute of Management
SSC:	Staff Selection Commission
TERI:	The Energy and Resources Institute
TIC:	Teacher-in-charge
TIFR:	Tata Institute of Fundamental Research
TM:	Trademark
TB:	Terabyte
TOFEL:	Test of English as a Foreign Language
UCMS:	University College of Medical Sciences
UDSC:	University Of Delhi South Campus
UG:	Under Graduate
UGC:	University Grants Commission
NET:	National Eligibility Test

UK:	United Kingdom
UN:	United Nations
USA:	United States of America
USEFI:	United States Education Foundation of India
UV:	Ultraviolet
VH:	Visually Handicapped
VLE:	Virtual Learning Environment
VPL:	Virtual Private LAN System
WAN:	Wide Area Network
YRC:	Youth Research Centre
ZHDC:	Zakir Husain Delhi College

EXECUTIVE SUMMARY:

SWOC ANALYSIS OF THE INSTITUTION



Live by Love (College motto)

‘Live by Love’, the motto of Zakir Husain Delhi College (ZHDC) is the basic principle that has guided the functioning of the college since its inception in eighteenth century. It represents the widest possible concept of love including commitment to basic individual and social values like **humanism, benevolence, courtesy, ethics, cooperation, social responsibility, equity, and democracy**. These values, fostered along with a **scientific, academic and intellectual tradition**, has led to the evolution of ZHDC as an institution with the ideal blend of tradition and modernity.

Zakir Husain Delhi College is a **constituent college of the University of Delhi**, and is subject to the relevant statutes and ordinances and other guidelines framed by the University Grants Commission and the University of Delhi. It is the only constituent college of University of Delhi that has the special honour and privilege of having the **Prime Minister of India as the head of Zakir Husain Memorial Trust**. The Governing Body of the college is appointed by the Trust.

Zakir Husain Delhi College: A Brief History

Zakir Husain Delhi College is the oldest college of University of Delhi with a history of more than three centuries. The long history of the college is intertwined with the history of the old city of Delhi and symbolizes the confluence of both traditional and modern cultures of Indian history. The history of the college has been of academic interest for a number of European and Indian scholars and a number of books on the college history have been written in English and Urdu.

ZHDC was established as a Madrasa by the father of the first Nizam of Hyderabad, Ghaziuddin Khan in 1709. In 1824 the East India Company launched the project of providing Anglo Oriental education in North India. The Madarsa was converted into what the English perceived as a college for ‘oriental’ studies with J.H. Taylor as its secretary and superintendent. A budget of INR 3000 per annum was allotted to the college. The college started admitting students in 1825 and it was open to members of all communities.

Initially, instructions were imparted in Persian and Arabic and there was also a Sanskrit Department. In 1827, the study of Oriental Sciences along with Astronomy and Mathematics were introduced. Western style curriculum was taught through the medium of Urdu. C.F Andrews testifies how books on Sciences and English were picked up by students and translated page after page into Urdu and then revised by the college staff. Instructions in Urdu were extended to the study of History, Geography, Philosophy and Law. This opened wide the intellectual horizons of the students and teachers to modern education. Adoption of Urdu as a medium of instruction was unique to Delhi College, the name by which ZHDC was then known, that symbolised the contemporary process of academics and literary creativity which C.F Andrews has described as the ‘Delhi Renaissance’.

Some prominent students and teachers of the time were Master Ram Chandra, Professor of Mathematics in the Vernacular Section of the College; Shahamat Ali who later became the Prime Minister of Indore; Sir Syed Ahmad Khan, founder of the Muhammeden Anglo

Oriental School and College at Aligarh; Maulvi Zakaullah, prominent Mathematician and Historian; Deputy Nazir Ahmed, leading Urdu prose writer and poet; Mukund Lal, renowned doctor in North West India who was trained in Western Medicine; and Altaf Husain Hali who taught Persian at the Anglo Arabic School. Some of our prominent students and teachers of ZHDC in more recent times have been the renowned Urdu poets like Akhtar Ullman, Ali Sardar Jafri, Ibadat Bareilvi, prominent Hindi writer Bhishma Sahni, eminent bureaucrat J.N. Dixit, renowned Dr. J.M. Dave, prominent politician Dr. Harsh Vardhan and the eminent Persian scholar Dr. Yunus Jaffery.

Delhi College also contributed to the publication of some of India's first Urdu newspapers and journals. Translation of scientific books, Greek classics and Persian works in Urdu were undertaken by the Vernacular Society established in 1832. Maulvi Abdul Haq gives us a list of 120 books which were translated and published by the society within a period of 20 years.

In 1844 the college was shifted to the residency at Kashmiri Gate. The English and Oriental Division of the Delhi College were organized as two independent parallel sections. In 1845 the demographic composition of the students was quite significant. Of the total 460 students, 299 were Hindus, 146 Muslims and 15 were Christians. The college continues to retain this composite character till this date.

In 1857, Delhi became the center of the uprising against the British Government. Delhi College was closed down after the defeat of the uprising. The famous library at Qutubkhana Dara Shikoh was burnt down by the rebels and the English Principal J.H. Taylor was killed in the uprising.

In 1859 the old Delhi College was initially replaced by a Municipal School and then by a District Level school. In 1864 intermediate classes were started once again with 25 students. However, Urdu was replaced by English as a medium of instruction in the Sciences. The college started B.A. classes in 1866 and M.A. classes in 1871. In 1877 the British Government decided to close down the institution and the library and staff members were transferred to Lahore.

After a lapse of 47 years, in 1924 Maulvi Fazluddin (Principal of the Anglo Arabic School) obtained permission from the University of Delhi to open an intermediate college. This resulted in resumption of collegiate classes in 1925. Initially 6 disciplines of the Arts were taught in the college. Science laboratories were setup in 1928 and in 1929 the college became a constituent college of the University of Delhi. Sports activities were also encouraged and in 1935 the college football team won the university tournament.

The partition of India in 1947 struck the next blow to the college. Mobs set the college on fire and it was only the efforts of the staff members including Professor Mirza Mahmood Beg and Hari Shankar that saved the office records and the library. Beg Sahib left no stone unturned to revive the college after 1947. The college had been closed and the entire property at Ajmeri Gate (in almost 12 acres) was declared evacuee property. With the assistance of Dr Zakir Husain and Sir Maurice Gwyer the modern Delhi College was re-established as an institution of higher learning in 1948.

The evening college was started in 1958 and Delhi College was renamed as Zakir Husain College in 1975. The science section of the college shifted to the new premises in 1986 followed by the offices, humanities and commerce sections. It was renamed as Zakir Husain Delhi College in 2012.

ZHDC has an exceptional history as a premier institution of higher learning in the city of Delhi which the institution maintains till date.

STRENGTHS

CRITERION I: CURRICULAR ASPECTS

ZHDC follows the syllabus prescribed by the University of Delhi and adheres to University guidelines regarding the number of lectures and tutorials allocated to different courses. The college falls in the select group of colleges in Delhi, which have as many as 19 departments, offering a large number of courses including the sciences, humanities, social sciences, commerce and languages.

The college aims to achieve holistic development of students through a **curriculum** that attempts to inculcate strength of character by connecting students to society and imbibing the value of serving society through education, skills, and knowledge. **The teaching and non-teaching staff works in close association** to make this possible. Implementation of innovative teaching methods through **dynamism in technology** can match with many advanced educational systems in the global world. A motivated group of teachers are equally active in sensitising students to important issues like **gender equality, women empowerment, and individual and human rights**.

Students are introduced to the ZHDC culture of courtesy, equality and reciprocity from the moment they enter college to seek admission. The new entrants are guided about the admission process through assistance from committees formed by teachers and students for this specific purpose. The **college prospectus**, in simple language, provides all relevant information regarding all important facets of the college like its administration, history, admission policy, eligibility, fee structure, discipline, attendance, activities and scholarships.

The new session begins with the **Orientation Programme** for fresh entrants where the Principal of the college addresses and introduces them to the basic values and academic functioning of the college. The students are then guided through classrooms, library, and the departments where they receive their library tickets, identity cards, and are introduced to the faculty. Orientation Programmes are also held separately for second and third year students where issues relevant to these groups are addressed.

ZHDC believes in **active association of students** in the processes of both learning and assessment. This is made possible through a very active engagement of both teachers and students through the **college website** (www.zakirhusaindelhicollege.ac.in) that provides complete transparency to both students and teachers. Students are allotted individual IDs which enables them to enter the website and check their attendance and evaluation records online. This allows the students as well as teachers to recheck and, if need be, revise these records. This not only **democratizes the system but also makes it completely objective and transparent**.

Since 2015 the admissions have been done under the new **Choice Based Credit System** which provides the students an opportunity to choose from a wide range of subjects and paper options, hence leading to utmost flexibility.

Learning outside the classroom is considered to be very important. The college has a rich tradition of organizing **educational trips, seminars, conferences and workshops** for students in collaboration with many other agencies outside college. ZHDC has an active collaboration with institutions like the Sahitya Akademi, National School of Drama, DRDO, ICGEB, and NII.

ZHDC has a rich academic and inter-disciplinary character which is further enriched by a large number of **seminars and lectures**. Besides regular ongoing seminars, the college for many years has been organizing two annual lectures, '**Zakir Husain Memorial Lecture**' and

the ‘**Delhi College Lecture**’ where eminent academicians, activists, politicians, writers and policy makers have addressed the college fraternity.

The various academic programs are implemented by committees constituted by the **Staff Council** of the college, like the Staff Requirement Committee, Academic Supervisory Committee, and the Timetable Committee. The faculties of different Departments in college are actively engaged in implementing the curricular and extra-curricular activities.

ZHDC offers both **procedural and practical support to teachers** for effectively translating the curriculum into practice and improving teaching practices. This has made it possible for teachers to get involved in activities like curriculum development, Board of Studies, e-content creation at the University of Delhi as well as other universities and educational institutions within the country.

CRITERION-II: TEACHING, LEARNING, EVALUATION

ZHDC is a constituent college of the University of Delhi where the process of admission to both under-graduate and masters programmes is laid out meticulously by way of notifications from the University. The **Admission Committee** constituted by the Staff Council starts functioning well in advance and has regular meetings throughout the period when admissions are taking place to ensure that the University guidelines are scrupulously followed. A team of counsellors comprising faculty members is appointed by the college to guide the students through various stages of admission. The NSS help desk, the Proctorial Board of the College and the Grievance Committee are some of the other bodies that ensure that rules are followed; the process is smooth and trouble-free; and grievances, if any, are redressed immediately. Besides this, the different departments also devise innovative ways, like bringing out brochures on course content, to assist the students.

The college has a historical relationship with the walled city of Delhi. This relationship is buttressed by the present location of the college which lies between the old and new areas of the city. Several **first generation learners, especially women**, from the old city are our very precious students. All efforts are made to ease their entry into this institution of higher learning. Although the student population of the college is diverse, reflecting the social and cultural diversity of the country, more than 30 %, are Muslims. Besides this, a large number of students also come from families whose income is less than one lakh per annum. Along with maintaining high academic standards, **the college thus also provides yeoman service to under-served sections of Indian society** and, thereby, honours the constitutional commitment of making quality education available to everybody.

The detailed **Orientation Programme** comprising a general address by the Principal, meeting with the faculty and a tour of the college is a special initiative to welcome students into the new structure. The campus is **Wi-Fi enabled**, the college **library** has the largest book bank in the University and many classrooms are equipped with LCD projectors.

The **students quickly integrate** into the vibrant academic life of the institution. The **faculty** is highly qualified as all appointments are made in accordance with the University guidelines. Besides this, there is an environment to encourage **faculty improvement** in the college and opportunities for further studies and research are routinely provided to teachers. The faculty in turn is highly innovative in securing participation from students and organises various activities like **educational trips, conferences, seminars and lectures** to supplement classroom teaching. Full efforts are made to ensure confidence and trust between students and teachers. Departments organise interactions to discuss various academic issues. There is complete **transparency** in internal assessment and the student can check her/his attendance and marks anytime from the college website.

The **college canteen** serves hygienically prepared simple meals. ZHDC was the first college of the University of Delhi to declare its **campus gutka and tobacco free**. This encourages the students to develop a healthy lifestyle suited to academics. The college also organizes **personality development classes** with emphasis on Reasoning Skills, Current Affairs, Mathematics, English and General Knowledge. **Remedial and proficiency classes** are held for English. Besides this there are add-on courses in Urdu, Russian, and Computer Literacy.

The **NSS** along with committees like the Committee for Students from the North-East, Nature and Environment Society, and the Garden Committee work towards integration of students and sensitising them to various social and political issues. The college also has an active and highly motivated **Girls Association** that is the forum for gender sensitisation and providing an exclusive space for girls. This Association has historically benefitted the personality development of girls and remains relevant for girl students even today. The Career Counselling and Placement Cell of the college have been working efficiently and continue to expand the scope of its operations every year.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

Although ZHDC caters basically to undergraduate and post-graduate students, it also has a **vibrant environment for research**. The faculty of the 19 Departments in college is highly qualified and many teachers have been guiding Ph.D. and M.Phil students from the University of Delhi and many other universities as well. The teachers at the college have published widely in reputed journals; won prestigious fellowships from national and international bodies; and have also been granted major and minor research grants. Some teachers have carried out path-breaking research projects and some have also been awarded and honoured in their fields.

In spite of the paucity of funds, ZHDC has attempted to build up infrastructure to facilitate research by establishing three research laboratories in the department of Chemistry and Electronics. There is a research committee in place to monitor and address issues regarding research. Sincere attempts are made to provide autonomy and support to every researcher. Advanced scientific equipments are available in the college labs. The college has a **multimedia cum e-resource lab** as a part of library and one room in the library also houses the **Delhi College Archives**.

The college organises **national and international seminars, conferences and workshops** where scholars of repute are invited to share their work with the faculty and students. A **Book Fair** named after Bhishma Sahni, the renowned teacher of the college is held annually. The college website has opened a dedicated link for sharing research work and PPTs by teachers.

The **students are co-opted into the environment of research** in various other ways like study tours and informal interactions with the teachers. In recent years the college has taken maximum advantage of the interdisciplinary innovation projects sanctioned by DU to introduce students to research. The college has till date completed 10 innovation projects that involved 100 students. Some of our students have also joined the **Cluster Innovation Centre** in the North Campus to integrate research with undergraduate studies. Five students from the Mathematics Department, and two students from the Chemistry Department have been awarded the **INSPIRE scholarship** sponsored by the DST.

ZHDC signed an **MOU** with the National Institute of Immunology under the Science Setu Programme in 2015. A one-day workshop on stem cell research was held and five students were sent for training to the NII.

Another notable achievement of the college has been the establishment of the **Gandhi Study Circle** in collaboration with the University of Delhi. The forum aims to spread Gandhi's

message of peace and has organised various public events and activities in 2015-16 including a two-day National Conference on ‘Gandhi and the Contemporary World’.

Although the college has not formally adopted a community for extension work, our faculty and students are involved in various **educational, health, and environmental projects**. The NSS has been regularly organising blood donation camps and visits to old age homes. The department of psychology has organized many mental health awareness camps. The students and faculty have also carried out various campaigns for environment.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

Situated in the heart of the capital and adjacent to the walled city, Zakir Husain Delhi College is spread over an area of around 6.25 acres. It has 45 **well lit and ventilated classrooms** out of which 21 have LCD projector facilities. There are 24 **well equipped laboratories** where practicals for students are conducted. There are also three research laboratories and two museums belonging, one each, to the Botany and Zoology Departments. In the science block, sufficient seating space on sharing basis is available for teachers. An additional **air-conditioned, staff room** with attached wash rooms, kitchen, and computer-room is situated at the ground floor of the academic block.

The college has **one air-conditioned multi-media cum e-resource lab** and **three computer labs** for the use by students. The entire campus is **Wi-Fi enabled** and there are a total of 201 Desktop PCs; 1005 Laptops and 05 Servers in use. The college has purchased 17 Licensed Softwares. There are two computer labs exclusively used by the students to meet their requirements in the course work. The third computer lab is used to train girl students in basic computer knowledge and know-how. The college avails the **National Knowledge Network Connectivity** through the parent University

There are dedicated rooms in the college building for the archives, records, placement cell, NCC, NSS, Sports, Students’ Union, and for Medical/Counselling purposes. There is a Girls’ Common Room that has space for sixty girl students and a smaller Boys Common Room. The Seminar Room of the college has a seating capacity of 75. The Auditorium is large, with excellent acoustics and can seat 417 persons. In-house photocopying facilities are available and there is also a stationery and souvenir shop in the campus. The **Canara Bank** branch on the college campus provides exclusive service to the college staff and students.

The **Botanical Garden** is 410 square meters. There is also an **Herbal Garden** and an ecological space with a well maintained pond. The college compound also boasts of a **rock garden, cactus house** and **vermi composting** facility.

The college has a **football ground, volleyball and basketball courts**, as well as **cricket practicing nets**. Facilities for **carom, chess, judo** and **table-tennis** are also available.

CRITERION V: Student Support and Progression

ZHDC begins to respond to needs of students the moment they step inside the college premises. The **prospectus** of the college, that is handed to the students is the first introduction to the college and provides all details like the college history, societies, departments, fees structure and examination system. The **Orientation Programme** held on the opening day further introduces the students to the **physical infrastructure** like the **library, common rooms, classrooms, sports field, medical room, auditorium** and the **labs**. The students are also informed about college schemes like the **Book Bank** and the **Faculty-Mentor Scheme**. The **Fresher’s Welcome** leads to closer intra-department exchange and contact. Though there is no formal system of **Student Feedback**, the students are encouraged to give their feedback through their **Class Representatives**, at **Department meeting**, through

informal data collection, and the **Students Union**, which is a body **elected by students through direct elections**. The Students Union represents the students in official meeting and decision making process. It also organizes *Adaab*, **the annual festival of the students**.

The various committees in college function for the benefit for students. The **teaching faculty has established a fund** to which they voluntarily contribute. The fund is used to extend support to needy students and/or non-teaching staff in urgent need. Several awards for students have also been instituted in the memory of former colleagues. Award and certificates in different categories are given to students on the **College Annual Day**. The college provides financial assistance in the form of fee waiver and fee-concession to students from **SC, ST, OBC and economically weaker sections**. Besides this, the college sees to effective implementation of the existing schemes by **University of Delhi, Central Government and other National Agencies**. There are special schemes for students from **minority communities**. Of the total seats available in college, 5% are reserved for **foreign students** in each course as per DU guidelines and their admissions are done as per DU recommendations. The College organizes **International and National Conferences** to enhance people to people relations amongst students of various countries. The **Enabling Unit** caters to the needs of **students with different abilities** and has been a fully functional body in the College since the implementation of XI UGC financial plan. The college has also made suitable modifications in its existing infrastructure under the XI financial plan and has built ramps, special toilets and two elevators with essential Braille labels and audio support. There is a special desk to assist the differently abled students during admissions. Regular meetings with the students are organised to address their concerns and problems. The college provides **special support for 'slow learners' and 'weaker students'** by organising extra classes for theory and tutorials. Remedial classes in English are held for I and II year students. ZHDC provides full **travel support** for students who need to travel for **participation in various events**. Students are groomed in various **co-curricular activities**. The students are members of various college **Societies** that provide them with a large range of activities like photography, films, debating and quiz. **Counselling Services** are available for students for **Career Planning** through the Career Counselling and Placement Cell as well as **Campus Placements**. Faculty Mentor Scheme and **Personal Counselling** try to help students in coping with social and emotional pressures. The college has a well-worked out plan to hone **entrepreneurial skills** of students. A **handmade paper laboratory** has been set up in college under the **Innovation Project** scheme. Students have also worked on the project of the art of making **Bird Feeders**. **Sewing and stitching classes** are held in the **Girls Common Room**. Moreover, the college organises educational visits to institutes of higher learning and interactions with faculty, scientists, writers, artists, and social scientists to facilitate **student progression** to higher levels of education and towards employment. **Skill Development** is an important programme in college that includes programmes in computer learning, languages and personality development besides collaborating with institutes like MIHER and DU-NSDC as per UGC XI Plan. Students are also encouraged to **enhance their writing skills and publish** in the 10 magazines brought out by college, as well as on Wall Magazines, and news and information catalogues prepared by students. Department of **Physical Education and Sports** organises training and tournaments in major sports like football, judo, and chess. ZHDC has remained a champion in almost all these sports.

The **Proctorial Board** and **Anti-Ragging Committee** ensure discipline and security of students. The college has installed CCTVs at many different spots in the college. The students, teachers and administrative staff have information about these. **Internal Complaints Committee** is the statutory committee that resolves issues pertaining to **sexual harassment** and the **Gender Sensitization Committee** initiates and discusses gender issues

connected with social matters like patriarchy, justice, media, health, and rights. The **Right to Information Act** is implemented by the **Information Officer** who is approachable by all, including the students.

There is an ongoing system of **appraisal and evaluation** of the teaching and non-teaching staff. **Self-assessment Proformas** are filled in by faculty members for their promotions and evaluated by a screening/evaluation committee headed by the Principal. **Performance Appraisal System (PAS)**, such as **CAS (Career Advancement Scheme)** of DU allows for self-appraisal on a prescribed proforma designed for promotions as per University norms. College administration also has a transparent and objective system for evaluating the non-teaching staff. The college provides all facilities including **welfare schemes available for the teaching and non-teaching staff** like LTC, HTC, Children Education Allowance, Medical Allowance, GPF, CPF, NPS, Medical Leave, and Study Leave.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

The **history and tradition** of more than three centuries goes hand in hand with educational goals of **contemporary India** to shape the vision and mission of Zakir Husain Delhi College. The college motto 'Live by Love' further enriches the approach of ZHDC by embracing whole humanity within its embrace. The college hopes to inculcate values like social responsibility, humanism, ethics, honesty, environment preservation, democracy, creativity, gender and social equality along with academic and technical rigour. ZHDC aims at preparing students not just to enter and excel in their personal careers but also make a positive difference to India and the world. The geographical location of the college goes a long way in fulfilling this vision. Standing at the crossroads of new and old Delhi, the college makes it possible for students, especially women students from the walled city to enter the world of higher education. Many of these students are first generation learners who may not have been able to venture far from home. At the same time, the college welcomes students from all over the city, the country, and the world. The vision of the college also includes the academic and pedagogical advancement of the **faculty** including good research facilities. It is hoped that the **new building** of the college will enhance the facilities.

Zakir Husain Memorial Trust has the distinction of being **headed by the Prime Minister of India**. The Principal of the college is the Member Secretary and the teaching staff is represented by two teachers. The Trust appoints the **Governing Body (GB)** that shoulders the responsibility of administrative, academic, financial and infrastructure of the college. A member of the teaching faculty is appointed as the **Bursar** of the college and is the financial administrator of the College responsible for taking major financial decisions.

As per the NAAC guidelines, the College has reconstituted the **Internal Quality Assurance Cell (IQAC)** to evolve systems for assessment and implementation of academic standards. The college feels that the students are primary stakeholders and thus must be involved in the organisation of curricular and extra-curricular activities in college. While **student feedback** is not as yet mandatory according to University guidelines, ZHDC has evolved different strategies like informal discussions and appointing class representatives for students to convey their opinion. Students are elected / nominated to formal positions as office bearers in different Departments and serve as the link between students and teachers. The **Student Union members**, apart from being the office bearers of the Union of the College, are also members of the Central Council for the University Union and play an active role at the college and university levels. Both **teaching and non-teaching staff** of the college have their respective associations for which they elect the office bearers. The office bearers represent their members and act as an interface between the staff and the top management. There is thus a transparent framework of delegating authority and providing operational autonomy to

Departments/units of the institution and work towards **decentralized governance**. ZHDC makes **special efforts to involve all stakeholders** like students, teachers, administrative staff, the University, parents, and society at large. The **college web-site** conveys all information regarding timetables, attendance, and evaluation of students.

The **Staff Council**, with the principal in the chair, appoints different **committees** that are responsible for effective teaching, monitoring of student assessment, and other related curricular and extra-curricular activities. The Staff Council functions through committees like the Library Committee, Students Union Advisory Board, Proctorial Board, Canteen Committee, Student Aid Committee, Staff Requirement committee, Academic Supervisory Committee, Admission Committee, NSS, Art and Culture Society, Girls Association, and Sports Advisory Board. Besides this, committees like the Grievance Redressal Cell, Internal Complaints Committee, Gender Sensitisation Committee, Career Counselling and Placement Cell, Anti Ragging Committee, Equal Opportunity Cell, and Enabling Unit play an active role in encouraging students to vet their talents and develop their potential. **Special attention is paid to the needs of marginalised sections**, especially those belonging to minorities and reserved categories.

The construction of the **new college building** is the most important **future infrastructural plan** of ZHDC. The new building will be equipped with all modern facilities and technologies like audio-visual facility, LCD projectors, better acoustics, a full-fledged Convention Centre, Health Centre, gymnasium, and crèche. The building will be friendly to differently abled students, fully accessible and barrier free campus.

Human resource management in college includes the **teaching faculty** as well as the **non-teaching staff**. The faculty is encouraged to pursue higher formal qualifications, independent and/or collaborative research projects, attend Fresher Courses and training programmes, organise seminars and conferences, and achieve career progression through Career Advancement Scheme. The non-teaching staff is awarded for good and meritorious service. ZHDC has several programmes for **Student Enrichment and Skill Enhancement** like **Capacity Building Classes** for Verbal Ability, Reasoning, Mental Ability, General Awareness, Personality Development, Computer Literacy Course, Certificate Course in Urdu, English Speaking Course, Russian Language Course, Health Education, and a course on Diet Assistant and handmade paper.

The college has also developed many **strategies for quality improvement**. The **teaching and learning process** is continuously enhanced through interactive pedagogical practices like group discussions, oral and power point presentations, panel discussions, workshops, educational trips, outreach programmes, maximum use of library resources, using modern technology, as well as online access of internal assessment and attendance records for students and leave and salary related records for the faculty. **Community engagement** is an ongoing activity in ZHDC and families and students from walled city perceive the college almost as an extension of the community. Individual teachers, students, as well as the NSS are very focused on maintaining the link between college and community. By holding programmes like blood donation camps and health check-up camps, the college gets closely connected to the society around and in the process inculcates a sense of social commitment in the students.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

ZHDC is fully conscious of its responsibility in recognising as well as implementing **innovations and best practices**. Commitment to **conservation of environment** has been a dominant focus of the college. The students and faculty of the college work in close

coordination to nurture and maintain a green environment. The college is a *gutka*-free, smoke-free zone and has said a loud 'NO' to crackers and plastic bags. There is a persistent campaign for eco-friendly colours for festivals like Holi. Coordination with groups like 'Ecoexist' has led to sensitisation of students to environment preservation as a crying need. Competitions like the 'Inter-College Rolling Shield Environment Quiz' and 'Dr. Virendra Kumar Rolling Shield Environment Quiz' have been constituted to encourage students to discuss and debate the issue. The college also has an active **Nature and Environment Society** and 'Native Tree Nursery'. ZHDC has consistently won a large number of awards, and through many years, the largest number of awards in various categories in the **Annual Delhi University Flower Show**. A large number of big trees along with the Herbal Garden, Botanical Garden, Rock Garden, and the Rose Garden ensure the maintenance of a rich green cover.

The college is equally conscious of the need for **energy conservation** and has actively implemented measures to do so. The classrooms are well lighted to maximize utilisation of sunlight. Tinted films and blinds are used where there is need to conserve energy. The college takes special care to inculcate the habit of switching off fans and lights when these are not in use. Old electrical objects like fans, electrical wiring and air-conditioners have been replaced by modern ones that consume less energy. Old bulbs have been replaced by new CFL and LED ones. LT panels and capacitors have been installed in the electric substation of the campus to optimise energy consumption.

The **solid waste management** of the college ensures segregation of organic and inorganic waste. The organic waste is transformed into compost in the three vermi-compost units in college. The compost produced is used in the college garden and lawns which are kept free of chemical fertilisers and insecticides. The college also has a **handmade paper unit** which is used to recycle waste paper for making folders and envelopes. The college has also collaborated with an NGO 'Chintan' for **recycling of e-waste**. The students, faculty and college staff are encouraged to put their discarded phones, batteries, old laptops in the boxes provided by 'Chintan'. **Renewable energy** in college is the other important focus. The college is in the process of finalizing a contract with Azure Power Ltd for installation of 50.22 KW solar panels on rooftops to fulfil its energy requirements. ZHDC is the first college in University of Delhi to implement paper-less administration. All these measures go a long way in ensuring the **reduction of carbon footprint**.

Besides this, several other innovations have also had a positive impact on the functioning of the college. The **Chemistry Department** practices an **environment friendly method** by which they use an alternative method rather than using H₂S gas which is highly hazardous. Besides this, the lab has also developed a unique, and much **safer instrument** for accurately measuring melting point and boiling point.

The students and faculty can easily access the facilities of **Electronic Resource Management Package for e-Journals** through Delhi University Library System (DULS) that provides two federated search engines, viz., UGC-Infonet federated search engine, JCCC and Knimbus, the search engine of DULS. Students have the exclusive use of 40 computers that are available in the **Multimedia cum e-Resource Lab**. One computer connected with Lex Scanner (which converts text into voice) and headphone is meant for the **use of visually challenged students**. Four computers are installed in the **Teachers' Enclosure**. College campus is completely disabled-friendly. Ramps and toilets are available for physically challenged students.

The college has a well laid-out website which functions as a communicative platform for the existing students, teachers, parents and the outsiders. University notices, rules, circulars, time

table vacancies and even tenders are uploaded on the website. It provides the life-cycle of students as well as teachers and is an important aspect of democratic functioning and accountability of the college. ZHDC provides online access to internal assessment and attendance records to students and teachers. Recently, the college website has also started a **sharing portal** where the faculty can upload their presentations, videos and other related academic material, files or links. Besides that, the air-conditioned audio-visual room, the seminar room and the 417 seated auditorium is available for workshops and seminars.

The **Mirza Mehmood Beg Library** in college houses a **Book Bank**, the largest in DU that loans books to students for the whole session with preference being given to economically underprivileged students. The library blends tradition with modernity by making the rich heritage of the institution accessible through modern technology along with housing the **Delhi College Archives** that has a rich collection of rare books. Besides this, the students also receive **financial assistance and/or fee-concessions** depending on their need. ZHDC is the only college of University of Delhi where the **teachers have a voluntary fund** to forward monetary assistance to students and/or non-teaching staff in time of urgent need. The meritorious students are awarded prizes at the **Annual Day Function** of the college. ZHDC is the only college that holds an **Annual Convocation** to grant degrees to outgoing students. The college also organises various conferences, seminars, talks, and workshops all through the year. The different Departments also organise their **Department Festivals** to provide a platform to their students to showcase their talent. The '**Zakir Husain Memorial Lecture**' and the '**Delhi College Lecture**' held annually, enjoy a special place in this calendar. ZHDC also organises the **Bhishma Sahni Book Fair** named after the renowned writer who was a teacher in the Department of English, ZHDC. The **Equal Opportunity Cell** tries to maintain the democratic and egalitarian functioning of the college. The **Student's Grievance Committee** addresses the grievances of the students. The **Faculty-mentorship Scheme** aims at building a close relationship between a small group of students and a specific teacher who is responsible for not just academic but also the emotional, mental, physical and psychological well-being of the students in the group. A **medical room** and two visiting doctors provide health care and guidance to the students. The college has a strict **ban on aerated drinks**. The **canteen** provides healthy snacks and wholesome meals to the students. The **Fresh Fruit Chaat Corner** is another healthy food option for students. Besides that, the '**Mother Dairy**' and '**Safal**' stalls installed in the college provide healthy drinks and fruit juices. The **Canara Bank** on the college premises conveniently performs all monetary transactions for students and teachers.

The college has an elected **Students Union** that is voted in by all students of the college. In addition to this, the college has a **Girls Association** that conducts its own elections where only the girl students are allowed to vote. This is a unique feature of ZHDC since no other college of DU has a Girls Association. The relevance of Girls Association is connected to the location of the college and a relatively large number of women students from the walled city. The **NSS** at ZHDC aims at inculcating the spirit of service and social welfare among the student community. The **NCC** aims at developing character, comradeship, and capacity for youth leadership in the country. NCC develops a strong sense of **nationalism** and many NCC cadets from ZHDC has found **placement in the police and armed services**. Both NSS and NCC have performed excellently and made the college proud.

CHALLENGES

Some major challenges the colleges faces are connected with **inadequate infrastructure and space constraint**. The new building sanctioned by UGC is to be constructed and will hopefully provide adequate space needed for much improved teaching and research. Existing

facilities related to students' psychological counselling, career counselling, health centre, practice rooms for arts and culture students, literary activities, NSS and NCC activities, and innovation research projects will be further improved and provided additional spaces. It is also proposed to have a gymnasium and a crèche in the new building. The future plans also include the construction of a Convention Centre to organise parallel sessions during conferences and seminars for dissemination of information among students, researchers, faculty members and other stakeholders. The college expansion plans also include construction of a building that is friendly to differently abled students. The vision is to evolve the college into a fully accessible and barrier free campus with tactile flooring, ramps, elevators, special toilets and a separate unit equipped with special software and latest technologies installed in the library. ZHDC is also working hard to convert our **teaching laboratories into state-of-the-art facility** including highly advanced instruments. The college also hopes to use latest technology in the **library** and bring about its complete automation and networking; digitalise manuscripts and rare books; create a college library web-site; complete the process of linking library database through OPAC; and expand the video conferencing facility. The college has also to expand the use of technology to usher in **further innovations in the teaching-learning process** and facilitate the students and teachers inside as well as outside the classroom. A **language lab** is another facility that the college wants to put in place. The other big challenge that the teaching faculty attempts to overcome is the lack of adequate skills among students to comprehend, communicate and write in English. While there are Hindi medium sections in many subjects in humanities and social sciences, the students of sciences and commerce need to be equipped with skills in English in order to fully grasp the information in textbooks and later, make a place for themselves in the professional world. The paucity of standard English texts in different subjects, including those from humanities and social sciences make it extremely difficult for both the students and teachers to achieve their full academic potential.

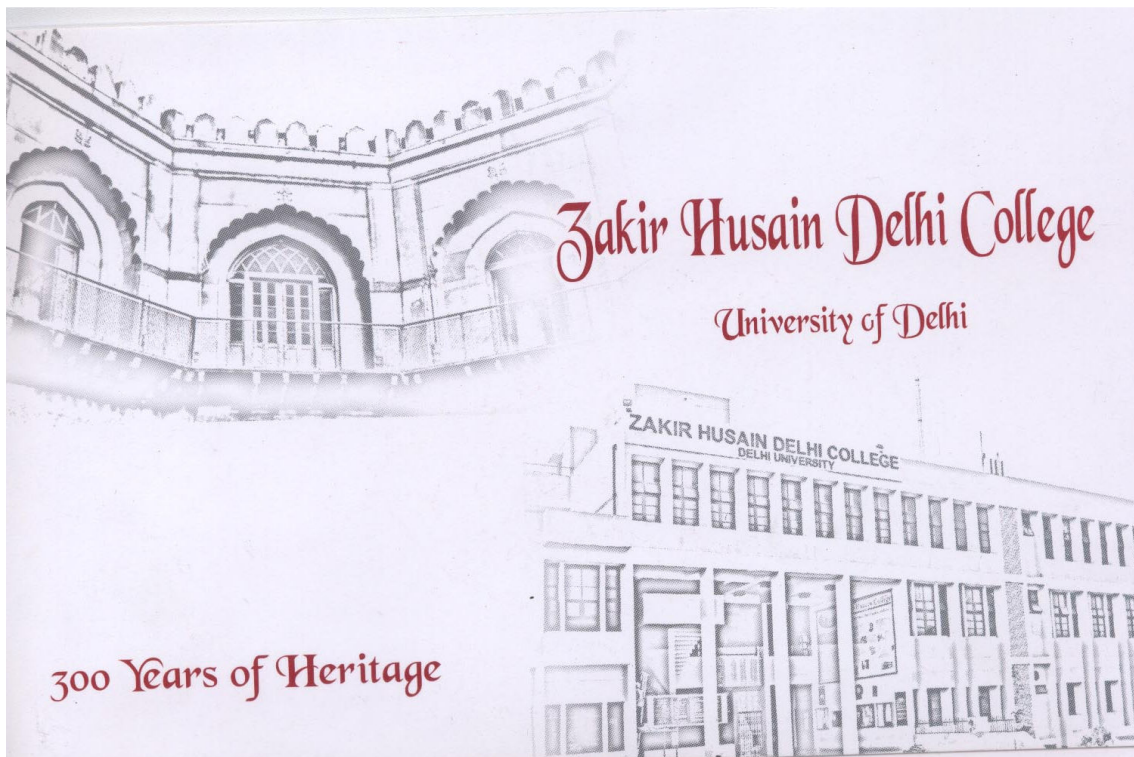
WEAKNESSES

The college aims to handle the weakness of constraint of **physical infrastructure** through the new eight story building with class rooms, laboratories, basic facilities and an underground parking that has been sanctioned. There is also not adequate space for organising many **sports activities** and events for which the college has to often rent grounds outside the college. The other area of weakness which the college has begun to activate is the **Alumni Association**, including registration of alumni, evolving mechanisms of keeping systematic records of alumni, and inviting their active involvement with the college.

OPPORTUNITIES

The college is located at the threshold of new and old Delhi and this makes it possible for the college to act as a catalyst in bringing these two worlds together. This also makes it possible for the students and teachers of the college to **interact with the people of the walled city**. Teachers have often connected with the families in the walled city and even held tutorial classes for young students. Besides this, the fact that impact of higher education also makes its impact in the college neighbourhood through the large number of students who come from here. ZHDC has been at the centre of socio-political evolution of education and culture of north India, especially that of Delhi. The college thus has the potential of becoming the focal point of studies regarding the **evolution of the city of Delhi** that could be a part and parcel of research on **urbanization and the growth of cities**. ZHDC has **the largest number of language departments at DU**. There is also a close interaction between these various Departments and this could be built up into a much larger vision including the establishment of a **center for languages, translation, and culture studies**.

Profile of the Institution



Profile of the Affiliated / Constituent College

1. Name and Address of the College:

Name :	ZAKIR HUSAIN DELHI COLLEGE	
Address:	Jawahar Lal Nehru, Marg.	
City:	Pin : 110002	State : New Delhi
Website:	www.zakirhusaindelhicollege.ac.in	

2. For Communication:

Designation	Name	Telephone With STD code	Mobile	Fax	E-mail
Principal	Dr. R. Prabhakar Rao	O: 011-23232218 R:	9818181431	011-23215906	pra1431@gmail.com
Vice Principal	N/A	O: R:			
Steering Committee Co-ordinator	Dr. K.K. Arora	O: 011-23232218 R:	9810837517		kaykayarora@hotmail.com

3. Status of the Institution:

Affiliated College
 Constituent College
 Any other (specify)

√

4. Type of Institution:

a. By Gender

- i. For Men
 ii. For Women
 iii. Co-education

b. By Shift

- i. Regular
 ii. Day
 iii. Evening

5. It is a recognized minority institution?

Yes
 No

√

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

N/A

6. Sources of funding:

Government
Grant-in-aid
Self-financing

√

Any other

7. a. Date of establishment of the college: **1924**
b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

UNIVERSITY OF DELHI

c. Detail of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	08/05/2014	
ii. 12 (B)	08/05/2014	

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section	Recognition/Approval Details Institution/Department Programme	Day, Month & Year (dd-mm-yyyy)	Validity	Remarks
i.				
ii.				
iii.				
iv.				

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status? **N/A**

Yes No

9. Is the college recognized

a. By UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition: (dd/mm/yyyy) **N/A**

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency.....and
Date of recognition: (dd/mm/yyyy) **N/A**

10. Location of the campus and area in sq.mts:

Location *	URBAN
Campus area in sq. mts.	25293.00
Built up area in sq. mts.	10280.00

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities:

One Auditorium and one seminar room.

- Sports facilities

- Play Ground

- Swimming Pool

- Gymnasium

- Hostel

- Boy's hostel

i. Number of hostels

ii. Number of inmates

iii. Facilities (mention available facilities)

- Girls' hostel

i. Number of hostels

ii. Number of inmates

iii. Facilities (mention available facilities)

- Working women's hostel
 - i. Number of inmates
 - ii. Facilities (mention available facilities)
- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)
- Cafeteria: **College Canteen**
- Health Centre:

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

First Aid facilities are available

Health centre staff –

Qualified Doctor Full Time Part-Time

Qualified Nurse Full Time Part-Time

- Facilities like banking, post office, book shops **A Bank Branch**

- Transport facilities to cater to the needs of students and staff

- Animal house

- Biological waste disposal

- Generator or other facility for management/regulation of electricity and voltage.

Generator set (250 KVA) is available

- Solid waste management facility

- Waste water management

- Water harvesting

12. Details of programmes offered by the college (Data for 2015-16)

I. Under-Graduate Courses (CBCS)

S. No	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	No. of Students admitted
1	B.A.(PROG)	3	10+2	Eng+Hindi	205
2	B.COM (PROG.)	3	10+2	Eng+Hindi	70

3	B.COM (HONS.)	3	10+2	Eng+Hindi	102
4	B.A.(HONS.) ARABIC	3	10+2	Ara+Urd	15
5	B.A.(HONS.) BENGALI	3	10+2	Ben+Hindi	9
6	B.A.(HONS.) ECONOMICS	3	10+2	Eng+Hindi	31
7	B.A.(HONS.) ENGLISH	3	10+2	English	32
8	B.A.(HONS.) HINDI	3	10+2	Hindi	37
9	B.A.(HONS.) HISTORY	3	10+2	Eng+Hindi	35
10	B.A.(HONS.) PERSIAN	3	10+2	Per + Urd	10
11	B.A.(HONS.) PHILOSOPHY	3	10+2	Eng+Hindi	28
12	B.A.(HONS.) POL. SCIENCE	3	10+2	Eng+Hindi	98
13	B.A.(HONS.) PSYCHOLOGY	3	10+2	Eng+Hindi	36
14	B.A.(HONS.) SANSKRIT	3	10+2	Snsk+Hindi	16
15	B.A.(HONS.) URDU	3	10+2	URDU	26
16	B.SC.(HONS.) BOTANY	3	10+2	English	47
17	B.SC.(HONS.) CHEMISTRY	3	10+2	English	69
18	B.SC.(HONS.) ELECTRONICS	3	10+2	English	45
19	B.SC.(HONS.) MATHEMATICS	3	10+2	English	58
20	B.SC.(HONS.) ZOOLOGY	3	10+2	English	50
21	B.SC. PHYSICAL SCIENCE	3	10+2	English	59
22	B.SC. LIFE SCIENCE	3	10+2	English	52

II. Post-Graduate Courses

S. No	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	No. of Students admitted
1	M.A. (ARABIC)	2	10+2+3	Arb+Urdu	23
2	M.A. (English)	2	10+2+3	English	10
3	M.A. (Hindi)	2	10+2+3	Hindi	12
4	M.A. (History)	2	10+2+3	Eng+Hindi	2
5	M.A. (Philosophy)	2	10+2+3	Eng+Hindi	19
6	M.A. (Political Science)	2	10+2+3	Eng+Hindi	11
7	M.A. (Psychology)	2	10+2+3	Eng+Hindi	23

8	M.A. (Sanskrit)	2	10+2+3	Snk+Hindi	14
9	M.A. (Urdu)	2	10+2+3	Urdu	26
10	M.Com.	2	10+2+3	Eng	19
11	M.Sc. (Chemistry)	2	10+2+3	Eng	13
12	M.Sc. (Mathematics)	2	10+2+3	Eng	36
13	M.Sc. (Zoology)	2	10+2+3	Eng	1

III. Ph.D./M.Phil. (Student are admitted directly in the university)

IV. Certificate Courses

S. No	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	No. of Students admitted
1	Certificate course in Russian Language	6 Months	10+2	Russian	22
2	Certificate course as DIET Assistant	1 year	Only for Regular students of BSc (Prog)	English	21
3	Certificate course in Urdu	6 Months	10+2	Urdu	25

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

14. New programmes introduced in the college during the last five years if any?

Yes		No	<input checked="" type="checkbox"/>	Number	
-----	--	----	-------------------------------------	--------	--

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	BOTANY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	CHEMISTRY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

	ELECTRONICS	√	×	√
	MATHEMATICS	√	√	√
	ZOOLOGY	√	√	√
Arts	ARABIC	√	√	√
	BENGALI	√	×	√
	ECONOMICS	√	×	×
	ENGLISH	√	√	×
	HINDI	√	√	×
	HISTORY	√	√	×
	PERSIAN	√	√	×
	PHILOSOPHY	√	√	×
	POL. SCIENCE	√	√	×
	PSYCHOLOGY	√	√	√
	SANSKRIT	√	√	√
	URDU	√	√	√
Commerce	Commerce	√	√	×

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

a. annual system

b. semester system

c. trimester system

22 UG + 15 PG

17. Number of Programmes with

a. Choice Based Credit System

b. Inter/Multidisciplinary Approach

c. Any other (specify and provide details)

22 UG

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes

No

- a. Year of Introduction of the programme(s)..... (dd/mm/yyyy) **N/A**
and number of batches that completed the programme
- b. NCTE recognition details (if applicable) **N/A**
Notification No.:
Date: (dd/mm/yyyy)
Validity:.....
- c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately? **N/A**

19. Does the college offer UG or PG programme in Physical Education? **No**

- a. Year of Introduction of the programmes(.... (dd/mm/yyyy) **N/A**
and number of batches that completed the programme
- b. NCTE recognition details (if applicable) **N/A**
Notification No.:
Date: (dd/mm/yyyy)
Validity:.....
- c. Is the institution opting for assessment and accreditation of Physical Education Programme separately? **N/A**

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC / University/ State Government Recruited			30	32	52	36	41	04	54	01
Yet to recruited	Number depends on the work load for the next semester						Gr-A (1), Gr-B (6) Gr-C & D(27)			
Sanctioned by the Management/society or other authorized bodies Recruited										
Yet to recruit										

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc. /D. Litt.							
Ph.D.	—	—	21	29	43	24	117
M.Phil	—	—	07	03	05	07	22
PG	—	—	02	00	04	05	11
Temporary Teachers/Ad-hoc Teachers							
Ph.D.					11	13	24
M.Phil.					06	05	11
PG					06	02	08
Part-time Teachers							
Ph.D.							
M.Phil.							
PG							

22. Number of Visiting Faculty /Guest Faculty engaged with the College.

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2013-14		2014-2015		2015-2016	
	Male	Female	Male	Female	Male	Female
SC	408	130	411	131	315	75
ST	164	27	145	19	75	13
OBC	644	210	733	218	616	175
General	1130	804	1259	835	1175	756
Others	22	02	36	01	124	56
Total	3541		3788		3380	

24. Details on students enrollment in the college during the current academic year: **2015-16**

Type of Students	UG	PG	M.Phil	Ph.D.	Total
Students from the same State where the college is located	560	61	—	—	621
Students from other states of India	562	144	—	—	706
NRI Students	00	00	—	—	00
Foreign Students	08	04	—	—	12
Total					1339

25. Dropout rate in UG and PG (average of the last two batches)

UG PG

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component 2016-16

(b) excluding the salary component

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No

If yes,

NA

a) is it a registered centre for offering distance education programmes of another University **NA**

b) Name of the University which has granted such registration. **N/A**

c) Number of programmes offered **N/A**

d) Programmes carry the recognition of the Distance Education Council. **N/A**

28. Provide Teacher-student ratio for each of the programme/course offered as per UGC norms

15 students: 1 teacher (for Honours courses)

20 students: 1 teacher (for Programme courses)

29. Is the college applying for

Accreditation: Cycle 1.....√..... Cycle 2 Cycle3
Cycle4

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

N/A

Cycle 1: (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 2: (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: (dd/mm/yyyy) Accreditation Outcome/Result.....

* *Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.*

31. Number of working days during the last academic year. 2014-15

244 Days

32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days)

164 Days

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC 18/02/2015 and Reconstituted in April 2016

34. Details regarding submission of Annual Quality Assurance Reports N/A

(AQAR) to NAAC.

AQAR (i) (dd/mm/yyyy)

AQAR (ii) (dd/mm/yyyy)

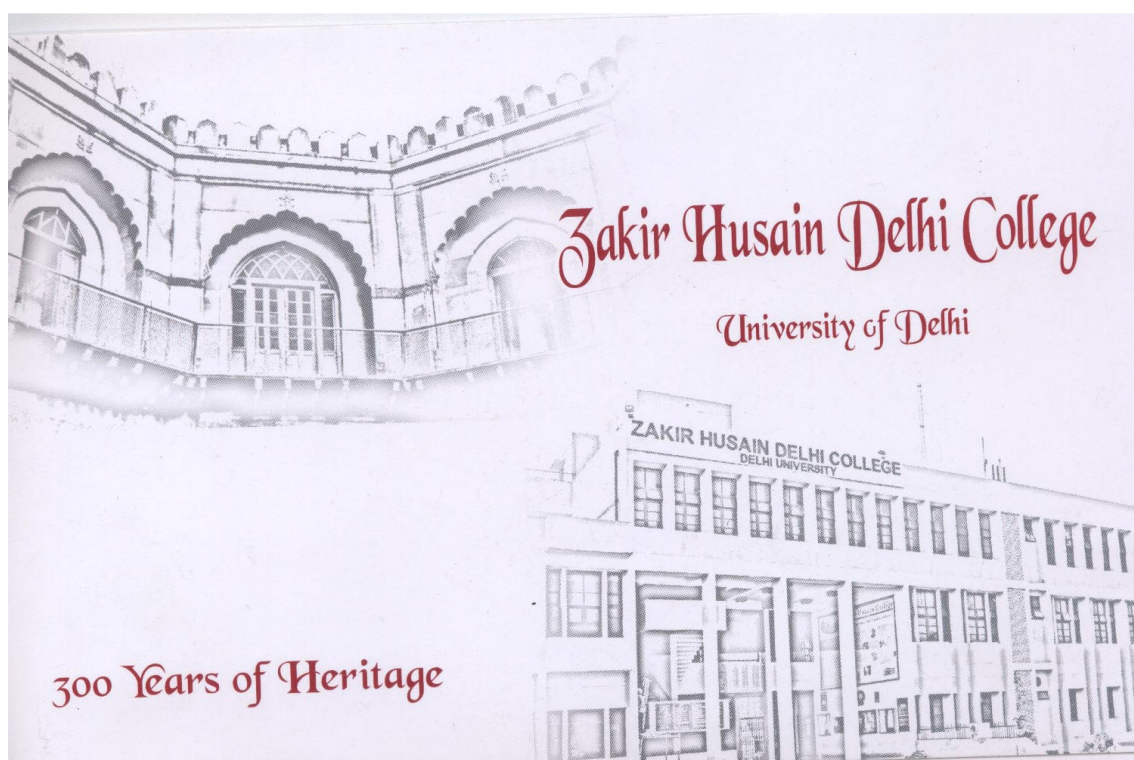
AQAR (iii) (dd/mm/yyyy)

AQAR (iv) (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information) **None**

CRITERIA- WISE INPUTS

CRITERION-I CURRICULAR ASPECTS



1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision

Zakir Husain Delhi College is a living monument of Delhi's journey through time. Despite its long turbulent history, it retained its identity and survived with its strong secular values. Its emblem tells its story of existence and excellence. Its strong commitment towards promoting the cause of learning and education conveys its vision. Since its very inception, by cutting across the distinctions of caste, creed or religions, it has kept its flag of education always high. It is true that the only guiding force that makes us human is education. The motto of the college is "Live by Love". And in deed and spirit, we live by love, harmony and secular unity.

We, at Zakir Husain Delhi College, have a clear vision of

- Imparting education to students with holistic development of character and a commitment to building a strong knowledge base through education.
- Addressing issues that build a strong and humane society along with the academic upliftment of students.
- "Educate everyone". As "Bal Gangadhar Tilak" said, freedom is our birth right; we believe that education is our birth right. Developing a responsible citizen by ensuring freedom of expression and true views of secularism and nationalism, and promoting "*Sarvadharm Sambhavya*" for peaceful existence.
- Sustaining and updating ideal teaching and research excellence.
- Investing in education is the biggest tribute to any country's academic wealth, and overall development of any nation.
- Having a modern education system is an essential element for progress and addressing present day challenges.

Mission

The college tries to realize this vision through the following means:

- We, at Zakir Husain Delhi College, work towards our mission to educate, train and carry out research through an ethical and responsible approach. The college in its long history has accommodated students and faculty members of different communities.
- Holistic development which includes skill development, learning outside the classrooms and interdisciplinary learning is achieved by our teachers and employees who work together in close association by upholding the traditional values of courtesy and regard for the elderly and the weak.
- We believe strongly in gender equality and women empowerment.
- Innovative teaching methods through employing technology and other dynamic means for students and faculty members at par with the global educational system.
- Developing and nurturing values amongst students through humanism and social responsibility. This is achieved by conducting academic and environmental activities within and outside the college premises.
- Generating a base of new knowledge relevant with the present context by evolving a culture of understanding and respect for different caste, creed and religion. This is represented through the versatile arts and culture group of the college.
- Design policies and programs of the college in such a way so as to provide students with all the basic facilities and infrastructure such as online access, book bank in the library,

computers and other equipments. This meets the need of students to access educational resources and promote their learning.

- Enlightening the feelings of affection in young minds for sustaining life on earth through educating them on nature and environment. This helps us in protecting and maintaining our green heritage. Our college has a tradition of winning a number of awards in the annual flower show of DU.
- A serene mind for constructive thinking and progress stays in a healthy body. Health is an important aspect that cannot be ignored and we encourage healthy and balanced diet by discouraging junk food in our college. A healthy physique is also essential for a healthy mind. We have an onsite Mother Dairy booth that provides various milk products.
- Inculcate a culture of knowledge sharing and team work. Newer teaching and learning approaches are adopted that enable a scientific temperament and motivate students towards critical and creative thinking.

Objectives

With its vision and mission clearly defined, Zakir Husain Delhi College has the following objectives which help in creating a policy towards its vision and mission:

- To impart and use human values through knowledge.
- To develop future citizens by conducting quality academic programs and excellent teaching.
- To work for the academic and individual growth of students through counselling.
- To facilitate interactions and collaboration with other academic bodies and industry.
- To develop intellectual potential and inculcating professionalism with social responsibility through various social service programs in the college.
- To remain deeply committed to achieve our green vision to see ZHDC as a fully sustainable campus.
- To keep pace with today's time by introducing new technology, online accessibility of DU portal in the college and making information easily accessible to everyone.
- To develop appreciation for humanity, creativity, transparency for the pursuit of innovative research and ideas.
- To pedagogically facilitate student transitions to higher levels of communicative proficiency as well as analytical competence especially with respect to textual and socio-cultural formations.
- Developing teamwork and collaborative learning among students and teachers.

The college works hard to achieve its stated objectives by communicating them to different stakeholders through proper procedure which includes the following:-

- A college Prospectus / Bulletin of Information
- A college website (www.zakirhusaindelhicollege.ac.in)
- Conducting orientation program for students on the very first day by the principal who introduces students to the broad guidelines that the institution follows as well as the general details regarding various activities, curriculum, attendance procedure, etc. and then the identity card and library card are distributed by teachers-in-charge of the respective departments in departmental orientation programmes.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

As a constituent college of the University of Delhi, ZHDC follows the syllabi prescribed by the University adhering to the University guidelines regarding the number of lectures and tutorials allocated to different courses.

- The role of the college is to implement the syllabus effectively for each course. Each department discusses the syllabus in their meetings and papers are distributed according to teacher's interest, specialization and the research work done by them in their respective areas.
- The Staff council of the college forms various committees such as Time Table Committee, Staff Requirement Committee, Academic Supervisory Committee, etc., for the implementation of various academic programmes and work for the betterment of students, teachers and the college as a whole.

Time Table committee: This committee makes a master time table for the various courses offered by the college and assigns rooms and laboratories to different departments at different times. Departmental time tables are then prepared in the respective departments as per allotments in the master time table. The time table approved by the committee and the principal is uploaded on the college website and communicated to the teachers in charge of the various departments. The time table is also pasted on the door of every class room.

Staff Requirement Committee (SRC): After the distribution of papers, the tentative proposal for requirement of extra teaching staff is sent to the SRC. This committee in turn assesses the overall distribution of paper, classes, tutorials, practicals and the proposed requirement of that particular department and sends it to the principal for further approval. After the approvals from the principal, the eligible candidates (University departments prepare a list of eligible candidates for Adhoc appointments) are called for interview and appointments are done as per departmental requirements.

Academic Supervisory Committee: This committee takes stock of classes as shown in various time tables. It also monitors the academic activities of various departments and takes decisions on courses to be offered to students based on student interest, faculty expertise and community needs.

In addition to the above, for the effective implementation of the curriculum, the **Monthly Attendance Record** of students along with their tutorials is uploaded on the college website. Intimation is sent to the students and they can check their records online also. At the time of admission in the college, students email ID is created by the college office, if they do not have. The college website has a student life cycle link for students where they can check their updated records anytime from anywhere.

ZHDC believes in making assessment a part of learning. Assessment is done on the basis of university prescribed rules. Hence, students are allowed to evaluate their own writing efforts in a sustained manner by making them understand the evaluation process and to help them reflect on possible improvements. This way we ensure assessment and continuous improvement in the learning process of students.

The college strives hard to translate the above objectives into reality by imparting knowledge through formal and informal education, sports and cultural meets, research and community services with expectations, hopes and aspirations of young generations of this challenging modern globalized world. To enhance the knowledge, theory is supplemented by practical training and education given by various departments in the form of educational tours and excursions etc.

1.1.3 What type of support (procedural and practical) do the teachers receive from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

Zakir Husain Delhi College constantly motivates its faculty members to upgrade their academic research, intellectual growth and skill development by keeping them informed and providing access to training programmes, orientation and refresher courses, workshops, seminars and research projects organized by DU and other universities all over India. DU encourages college teachers and students for innovative projects and helps them financially too. Proper guidelines for teaching methods, number of lectures required for various courses, tutorial and practical classes etc are provided in detail. Computers are provided by the University for managing various courses requiring computer labs.

Most classrooms are equipped with LCD projectors. ZHDC provides procedural support by adhering to all rules, regulations and communication received from the University, by putting notices received from DU on college website as well as on the personal e-mail of faculty members; allowing faculty members to attend refresher, orientation programs of the university for which duty leaves are granted by the college, sabbatical leaves are sanctioned to write books and other research projects and study leaves for doing Ph.D. Teachers are motivated to learn new skills and experiment with new teaching pedagogies. The college has a well-stocked library and up-to-date multimedia laboratory to enhance and facilitate effective deliverance of knowledge and education.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- The institution develops and deploys action plans for effective implementation of curriculum and this has been stated in detail at 1.1.2 above.
- From time to time, various departments in the college organize seminars to supplement classroom teaching. Eminent speakers are invited by each department as part of the activities of the departmental societies.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the University in effective operationalization of the curriculum?

Zakir Husain Delhi College explores various possibilities for students by organizing workshops, seminars, educational trips, etc., through different departments of the college with the sole aim to enriching students' knowledge with strong base and value addition from time to time by constantly encouraging learners to think critically and deepening their understanding besides theory. The placement cell of the college has always been very active and the college coordinates with various agencies to organize dialogue with representatives from industry. Various courses offer projects in which faculty members help students to conduct research and explore the market or external environment that helps in boosting their confidence and morale and broaden their thinking.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.).

The faculty members of our institution have always participated in curriculum development as members or conveners. The following members are the part of curriculum development committee at UG level.

Table 1.1: Faculty involved in Developing Syllabus/ Course Content/Curriculum at DU

Faculty Name	Department	CBCS/FYUP/Semester System
Dr. Mohd Qasim	Arabic	FYUP (2012), CBCS (2015)
Dr. Md. Obaidullah	Arabic	CBCS (2015)
Dr. Sayed Mohd. Tariq	Arabic	CBCS (2015)
Dr. Sharmistha Sen	Bengali	Semester System (2011), FYUP (2013), CBCS (2015)
Dr. Audwittee Banerjee	Bengali	Semester System (2011), FYUP (2013), CBCS (2015)
Dr. Reeta Khosla	Botany	FYUP (2013)
Dr. Malti Gupta	Botany	Semester System (2011)
Dr. Ratnum K. Wattal	Botany	CBCS (2015)
Dr. Babeeta C. Kaula	Botany	Semester System (2010)
Dr. Devayani Muley	Botany	FYUP (2013)
Dr. Savindra Kumar	Botany	CBCS (2015)
Dr. Mohd. Wahid Ansari	Botany	CBCS (2015)
Dr. Tabassum Jehan	Botany	CBCS (2015)
Dr. Ashima Khurana	Botany	CBCS (2015)
Dr. Sulekh Chandra	Chemistry	Semester System (2006, 2007)
Dr. K. K. Arora	Chemistry	FYUP (2013), CBCS (2015)
Dr. N.K. Jain	Electronics	Semester System (2010)
Dr. P.K. Shishodia	Electronics	Semester System (2010)
Mr. Anshu Rastogi	Electronics	Semester System (2010), FYUP (2013)
Dr. Devesh Vijay	History	CBCS (2015)
Dr. Ataullah	History	CBCS (2015)
Ashwani Kumar	Philosophy	FYUP (2014)
Dr. Saraswati	Sanskrit	CBCS (2015)

Some of the faculty members are the Members of Board of Studies at University of Delhi. The following table gives the details.

Table 1.2: Faculty as a Member of Board of Studies at DU

Faculty Name	Department	Nature of board of studies	Year
Dr. Sharmistha Sen	Bengali	BRS	2013-2014
Dr. Audwittee Banerjee	Bengali	DRC	2015-2016
Dr. Babeeta C. Kaula	Botany	Committee of Courses	2001-2003

Dr. Sulekh Chandra	Chemistry	BRS DRC Science Faculty Committee of Courses	1998-2000 2011-2012 2014-2016 2004 – 2006
Dr Rizwan Ahmad	Chemistry	Committee of Courses	2006-2008
Dr. K. K. Arora	Chemistry	Committee of Courses	2014-2016
Ashwani Kumar	Philosophy	Committee of Courses	2015, 2016
Dr. N.K. Jain	Electronics	Committee of Courses	2010-2012
Dr. P.K. Shishodia	Electronics	DRC Committee of courses	2013-2015 2013-2015
Mr. Anshu Rastogi	Electronics	Committee of courses	2015 onwards

Table 1.3: Faculty as a Member of Board of Studies (other than DU)

Faculty Name	Department	Member of the Academics Body
Dr. Sulekh Chandra	Chemistry	<ul style="list-style-type: none"> Board of Studies for CCS University, Meerut Board of Studies for K R Autonomous College, Gwalior
Dr K K Arora	Chemistry	<ul style="list-style-type: none"> Convener - Committee of Courses for Chemistry (Senior Secondary Classes) C.B.S.E. Committee of Courses for Chemistry (Senior Secondary Classes) C.B.S.E. (International) Course design committee, A Course in Chemistry for Teacher of Navodaya Vidyalaya (by IGNOU) Course design committee, “A course on good practices in Laboratory” by IGNOU
Dr Mohd Rizwan Ahmad	Commerce	<ul style="list-style-type: none"> Research Board of Advisors, American Biographical Institute
Dr Sonu Trivedi	Pol. Science	<ul style="list-style-type: none"> Research Pool, ICSSR

Following members of our college developed study materials for undergraduate students which are available at the university website in the form of chapters, MCQ, audio/video lectures.

Table 1.4: Faculty involved in content development at DU

Faculty Name	Department	Course Content	Published by & Year
Dr. Ratnum K. Wattal	Botany	E-Lessons for B.Sc. (H) Botany	ILLL, DU 2012, 2013
Dr. Jyoti Tyagi	Chemistry	E-Lessons for B.Sc. (H) Chemistry	ILLL, DU 2013
Dr. Shivani Abrol	Commerce	Virtual Learning Environment for UG	ILLL, DU
Dr.Nidhi Dhawan	Commerce	E-Lessons for B. Com (H) First Year	ILLL, DU, 2010
DR. Shabana Azmi	Political Science	E-Lessons	ILLL, DU 2013, 2014

Some of the faculty members have contributed to the content development for School Boards in India, and other e-content from time to time in various capacities, given in Table 1.5.

Table 1.5: Faculty involved in content development (other than DU)

Faculty Name	Department	Nature of course content
Dr. Sulekh Chandra	Chemistry	<ul style="list-style-type: none"> Class XII, (Chemistry), NCERT Class XII, (Chemistry), NIOS
Dr K K Arora	Chemistry	<ul style="list-style-type: none"> E-content for B.Sc. classes (NME-ICT Project) Class XI, XII (Chemistry), NCERT Class X (Science), NCERT
Dr Jyoti Singh	Chemistry	<ul style="list-style-type: none"> E-content for PG classes (NME-ICT Project)
Dr. Ratnum K. Wattal	Botany	<ul style="list-style-type: none"> Class XI (Biology), NCERT Cell and Molecular Biology (LSE-01), IGNOU
Dr. Abdul Wahid Farooqi	Commerce	<ul style="list-style-type: none"> Class XII (Business Studies), NCERT Member of Course Writer committee of Arjun Singh Center for Open and Distance Learning, JMI
Dr Nidhi Dhawan	Commerce	<ul style="list-style-type: none"> E-content for PG classes (NME-ICT Projects)
Ashwani Kumar	Philosophy	<ul style="list-style-type: none"> Class XI (Philosophy), CBSE

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating University) by it? If yes, give details on the process ('Needs assessment', design, development and planning) and the courses for which the curriculum has been developed.

Delhi University has a centralized system for curriculum development for undergraduate courses offered in constituent colleges. However, teachers from different colleges represent in DU committees for course development. A large number of teachers of ZHDC have contributed in restructuring and development of curriculum of different courses as conveners/co-conveners of the various course restructuring committees. The college independently does not develop the curriculum for any course.

1.1.8 How does institution analyses/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Once the University provides the academic calendar for the session, different committees in the college (Time Table Committee, Staff requirement Committee, Academic Supervisory Committee) ensure that the curriculum is strictly followed by faculty members.
- Numbers of lectures for different portions in the curriculum are allotted and accordingly each department prepares an academic plan to follow the curriculum.
- To achieve the objectives of curriculum regular departmental meetings are held to discuss different aspects of the curriculum. The coverage of curriculum and co-curricular activities and other programs are assessed by faculty members as well as by the academic committee, at regular intervals.
- Curriculum provided by the University requires the record of attendance and assessment of students through tests, assignments, presentations and project works for some courses is also required. To achieve the stated objective, each faculty member ensures the regular assessment of students.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/ diploma/ Skill development courses etc. offered by the institution.

To provide academic flexibility, ZHDC provides some courses to students which will help them in their careers. These courses can also enhance the opportunities for jobs in different fields. The following course options are available in the college:

1. Certificate course in Russian language
2. Certificate course as Diet Assistant
3. Certificate course in Urdu language (No fee is charged)
4. Computer Literacy course for girls (No fee is charged)

Details of these courses are given in the following sections.

1.2.2 Does the institution offer programmes that facilitate twining/dual degree? If yes, give details.

University offers no such programme with dual degree.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

Range of Core/ Elective options offered by the university and those opted by the college:

The college offers following Core options to its undergraduate students for the award of Bachelor with Honours/ Programme Degree:

- I. B.A. (Hons) in Arabic, Bengali, Economics, English, Hindi, History, Persian, Philosophy, Political Science, Psychology, Sanskrit, Urdu.
- II. B.Sc. (Hons) in Botany, Chemistry, Electronics, Mathematics, Zoology.
- III. B.Com (Hons)
- IV. B.Com
- V. B.Sc. Program (Life Sciences & B.Sc. Physical Sciences)
- VI. B.A. Discipline Courses with Hindi as MIL
 - i. **Political Science** with History
 - ii. **Political Science** with Economics
 - iii. **Economics** with Mathematics / HRM
 - iv. **Psychology** with Philosophy/ Mathematics
 - v. **Psychology** with HRM
 - vi. **History with Philosophy & Mathematics**
- VII. **B.A. Discipline Courses with Languages**
 - i. **Arabic** with History/Economics
 - ii. **Persian** with History/ Economics
 - iii. **Urdu** with Economics
 - iv. **Urdu** with Political Science/ History
 - v. **Bengali** with Political Science/ History/ Economics
 - vi. **English** with Political Science
 - vii. **English** with Economics
 - viii. **Hindi** with Economics
 - ix. **Sanskrit** with History/Economics
- VIII. The college also offers the following Post Graduate courses:
 - i. **Master of Arts in** Arabic, English, Hindi, History, Persian, Philosophy, Political Science, Psychology, Sanskrit, Urdu.

- ii. **Master of Commerce**
- iii. **Master of Science in Botany, Chemistry, Mathematics, Zoology.**

The large variety of options and course choices promotes academic flexibility and leads to holistic development of students. This in turn prepares them well for the competitive job market and gives them better employability.

Choice Based Credit System and range of subject options:

Since 2015, admissions have been done under the new Choice Based Credit System, which provides the students an opportunity to choose from a wide range of subjects and paper options hence leading to utmost flexibility.

- Apart from the core papers for a particular course, the college offers a wide choice of Generic Elective (GE) and skill enhancement courses to the students. These are enumerated below:

Department	Papers offered			
	Semester I	Semester II	Semester III	Semester IV
Arabic	Reading & Writing Arabic	Let us Speak Arabic	Reform Movements in Modern Arab World	Impact of Arab Scholars on European Renaissance
Bengali	Practical Translation of Knowledge Based Text Books	Creative Writings	Language in Media: Journalistic Writing (Reporting & Editing)	Official Writings (Noting/ Drafting, Letter Writing)
Economics	Introductory Micro-Economics	Introductory Macroeconomics	Indian Economy-I	Indian Economy-II
English	Media and Communication Skill	Readings in Linguistic Diversities and Literary Movement	Text and Performance	Language and Linguistics
Hindi	Hindi Cinema aur Uska Adhyayan	Rachnatmak Lekhan	Bhasha aur Samajh	
History	Environmental Issues in India	Delhi: Ancient	Delhi: Medieval	Delhi: Modern
Persian	Introduction to Elementary Persian Language	Introduction to Intermediary level Persian	Functional Persian Grammer	Spoken Persian Elementary level
Philosophy	Ethics in Public Domain (EPD)	Formal Logic	Feminism	Bio-Ethics
Pol. Science	Nationalism in India	Women Power and Politics	Politics of Globalization	Understanding Umbedkar
Psychology	General Psychology	Psychology for Health and Well being	Inter-Group Relation	Psychology at Work
Sanskrit	Nationalism and Indian Literature	Indian Culture and Social Issues	Computer Applications for Sanskrit	Ancient Indian Polity
Urdu	Study of Urdu Poetry-I	Study of Urdu Prose-I	Study of Urdu Poetry-II	Study of Urdu Prose-II
Commerce	Insurance and Risk Management	Investing in Stock Market	Business Statistics	Indian Economy

Botany	Biodiversity (Microbes, Algae, Fungi)	Plant Ecology and Taxonomy	Plant Physiology and Metabolism	Economic Botany and Biotechnology
Chemistry	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I	Solutions, Phase Equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II	Chemistry of s- and p-block elements, States of matter and Chemical Kinetics
Electronics	Electronic Circuits and PCB Designing	Digital System Design	Electronic Circuit and PCB Designing	Digital System Design
Mathematics	Calculus	Linear Algebra	Differential Equations	Numerical Methods
Physics	Electricity and Magnetism	Mechanics	Waves and Optics	Thermal Physics
Zoology	Animal Diversity	Human Physiology	Food, Nutrition and Health	Animal Cell Biotechnology

- The B.A. Program course also gives flexibility in choosing the subjects and the range of choices offered by the college have been listed earlier. The college provides seven language options to students which are **Arabic, Bengali, English, Hindi, Persian, Sanskrit and Urdu**.
- Following skill enhancement courses are offered as a part of the curriculum by the college to students of B.A. (Hons), B.Com (Hons.) and B.Sc.(Hons) in various subjects.

Department	Paper Title	
	Semester III	Semester IV
Arabic	Arabic composing & Setting	Arabic Children's Stories (Reading & Comprehension)
Bengali	Language in Advertisement	Language in Film
Economics	Financial Economics	Data Analysis
English	Translation Studies	
Hindi	Social Media	Bhashayi Dakshata: Samajh aur Sambhashan
History	Understanding Heritage	Understanding Popular Culture
Persian	Indo-Persian Literature: A brief History (13 th -16 th Century)	Indo-Persian Literature: A brief History (16 th -19 th Century)
Philosophy	Critical thinking	Art and Film Appreciation
Pol. Science	Your Laws, Your Rights	
Psychology	Stress Management	Emotional Intelligence
Sanskrit	Machine Translation: Tools and Techniques	Evolution of Indian Scripts
Urdu	Learning Skills of Drama in Urdu	Learning Skills for Media Writings
Commerce	E-Commerce	Entrepreneurship
Botany	Intellectual Property Rights	Biofertilizers
Chemistry	Basic Analytical Chemistry	Chemistry of Cosmetics and Perfumes
Electronics	Design and Fabrication of Printed Circuit Board	Mobile Application Programming
Mathematics	LaTeX and HTML	Computer Algebra Systems and Related Softwares
Physics	Basic Instrumentation Skills	Weather Forecasting
Zoology	Apiculture	Medical Diagnostics

Compulsory Course in Environment Studies:

In 2013, University of Delhi had introduced a compulsory qualifying course in Environment Studies for all students. In the new Choice Based Credit System also, students have to study a compulsory paper of Environmental Studies which is now a credited course.

Course offered in modular form:

Not Applicable.

Credit transfer and accumulation facility:

This scheme is to be implemented under choice based credit system as per rules and regulations of the university.

Lateral and vertical mobility within and across programs and courses:

As per DU rules there is no provision of switching from one course to another. Since admission is based on the score of class XII, a student once admitted in a particular course is supposed to pursue and complete the same without any shifting.

Enrichment Courses:

With an objective to enrich students and improve their academic skills and employability, the following classes are held regularly in the college:

- **Computer Literacy Course for Girls:** A six month course to impart basic computer knowledge to girl students which includes the use of MS-office, Corel Draw, Photoshop, In page & Internet. This enables students with lesser means to come at par with others and fulfill the growing demands of the competitive world.
- **English Remedial Classes for 1st and 2nd Year Students** to improve the linguistic proficiency of students. These classes are especially helpful to students who have studied in Hindi medium and also those who have some problem in communicating and understanding the English Language.
- **Capacity Building and Personality Development Classes** to prepare the students of III year for various entrance examinations.
- **Urdu learning Classes:** A certificate course in Urdu language is conducted by the Urdu academy for students, teaching and non-teaching staff.

Preference for courses 1-3 is given to the students belonging to SC/ST/OBC and economically weaker section. For the overall development of students, their enrichment through co-curricular activities in addition to the main curriculum is important. The college undertakes this through its large number of societies which organize talks, lectures, debates, quizzes etc.

1.2.4 Does the institution offer self-financed programs? If 'yes', list them and indicate how they differ from other programs, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

The college runs a Certificate Course in Russian Language of one year duration. The admissions are done strictly according to merit. The fee structure, curriculum and examination modalities are decided by the Department of Slavonic and Finno-Ugrian Studies, University of Delhi. The course is designed in such a way that the students may acquire adequate knowledge of the literature and culture of the concerned country and skills in the use of the language. The course is beneficial to students wishing to engage in translation and research in the field of humanities or in professions where knowledge of this language is required.

1.2.5 Does the college provide additional skill oriented programs, relevant to regional and global employment markets? If ‘yes’, provide details of such programs and the beneficiaries.

ZHDC started a skill development course under an MOU signed between NSDC and DU in the year 2015-16. A detail of the course is as follows:

Name of the course: Diet Assistant

Duration: One Year

Training Partner: Max Institute of Health Education and Research (MIHER)

Curriculum: Developed by the MIHER

Faculty: Two visiting faculties from the MIHER

Under the Choice Based Credit System, the University has introduced many Skill Enhancement courses as a part of the curriculum. These courses will help students in gaining additional skills while pursuing a traditional undergraduate course and hence enhance their employability.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice? If ‘yes’, how does the institution take advantage of such provisions for the benefit of students?

DU ordinances do not provide this kind of flexibility to colleges to combine distance mode education with the conventional face-to-face classroom teaching.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programs and Institution’s goals and objectives are integrated?

The college supplements the curriculum provided by the University through co-curricular and extra-curricular activities which involve both, cultural and academic projects. The college tries to give students an exposure keeping this perspective in view. For achieving this goal, various committees are put in place well before the start of the academic session. Such committees ensure that each and every functional activity of the college is carried under expert guidance of the teachers. The college has various student’s societies as well as NCC and NSS units running comprehensive programmes for betterment of students in particular, and society at large. Some important activities which serve this purpose are:

- Seminars, Conferences and Workshops on various topics to enhance classroom learning and to enhance the range of their awareness, concerns and expertise.
- Invited lectures by prominent speakers (refer departmental report).
- Innovation projects sanctioned by CIC, University of Delhi.
- Participation of students in summer research projects in the college as well as in other reputed research institutes.
- Teaching through industrial visits and study tours.

1.3.2 What are the efforts made by the Institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

The college is taking a number of steps to equip students with the abilities and skills required to meet the needs of the employment market. Along with the regular curriculum, the college is exposing them to various career orientation programmes. The Career Counselling & Placement Cell (CCPC) of our college prepares our students for the competitive employment market. Students are also encouraged to do summer internships in various organizations. Besides academics, students get training in life skills such as communication, relationship building, organizing and decision making, team work and leadership skills through the activities of various societies.

1.3.3 Enumerate the efforts made by the Institution to integrate the cross-cutting issues such as gender, climate change, Environmental Education, Human Rights, ICT etc. in to the curriculum.

Zakir Husain Delhi College gives special emphasis on issues which are now considered as social and Global issues.

Gender

ZHDC institute believes in gender-sensitive approach where girl students are offered equal opportunities to participate and enjoy college education. The college has a very active Girls Association which organizes debates, singing, Mehndi art, food art, dance, talks on gender sensitization, and self-defense training workshops in collaboration with Delhi Police. Health camps are conducted on regular basis which are organized by Girls Association. Well known Gynaecologists solve common problems faced by girl students. The college also has a Gender Sensitizing committee which communicates with students through talks, street plays and group discussions on such issues.

Climate Change & Environmental Education

Our college believes in sensitizing student's minds for a sustainable future and concern for global environmental issues. Students are exposed to the concept of climate change and sustainability of flora and fauna. The objective of environmental education in our college is to have active participation of students in the protection of environment and rational use of natural resources. The college organizes excursion trips for students so that they can understand the environment thoroughly (e.g., visit to the national park & sanctuaries) which also increase awareness about environmental issues. A march was organized through the walled city on 'BT Brinjal' to make the public aware on such issues. Invited talks are held in our college to sensitize students through *SRISHTI*, Nature and Environment Society of the college. Many articles are regularly published regarding climate change and other environmental issues in our college magazines. Poster making competitions, painting competitions, debates and essays are also regularly held in college dealing with important global environmental issues. Global climate change and its impact on people and resources pose serious societal challenges. These environmental issues are dealt with in the university curriculum under the compulsory environmental course in the CBCS system. Many students have also worked under Innovation Projects dealing with environmental issues in the college.

Information and Communication Technology (ICT)

Our college has been a pioneer among colleges as far as ICT education is concerned. Students are always encouraged to use the ICT tools to support their learning in all subjects. This is achieved in our college by providing easy access to computers and 100 MBPS Wi-Fi facility. The college has a fully equipped multimedia cum e-resources lab where students can access research journals and complete their projects. The college issues laptops to all first year students. This helps them in quickly accessing the information which simplifies their work. They have their e-mail IDs through which the college communicates with the students. The

college provides student login access so that they can check their internal assessment marks and attendance. All the circulars and notices for staff are also sent on E-mails too.

1.3.4 What are the various value added courses/enrichment programmes offered to ensure holistic development of students?

Moral and ethical values

The Gandhi Study Circle is an initiative of DU and Zakir Husain Delhi College. Its main aim is to spread the message of Gandhi especially among the youth and students. The society seeks to discover the relevance of Gandhi's philosophy, especially in the contemporary scenario. The society aims to bring within its fold various socio-political and economic problems that plague our country today.

In the past the society held many public events and activities. A visit to Gandhi Smriti and the National Gandhi Museum is regularly organised for students to make them familiar with Gandhian values. Last year, a **Street Play** was organised on the theme "**Women Empowerment**" followed by a "**Peace March**" against gender discrimination, and growing intolerance in India. Dr. Dhananjay Rai from the Centre for Gandhian Thought and Peace Studies, Central University of Gujarat delivered a talk on the theme "**Debating Swaraj**". An international conference on 'Gandhi and the Contemporary World' was also organised at the conference centre of DU.

Employability and Life skills

The college always support activities which enhance life skills of our students. We try to achieve this through many activities including:

- Group discussions and debates
- Presentations and extempore speaking
- Emphasis on communication skills

Better career options

The college has an active career counselling and placement cell with a dedicated placement in-charge from the faculty which organizes pre-placement seminars in the college to give students a fair idea of the type of skills required from them. This cell also organizes many placement camps by various organizations for campus placements and works in coordination with the central placement cell of DU.

Community orientation

The NSS unit of the college has been striving hard to inculcate the spirit of voluntarism amongst students and the staff and to convince them to contribute their services for the improvement of society. The NSS unit of the college is one of the most important pillars of its social outreach programme.

Training of NCC is another way for creating the sense of community among students. At present, Zakir Husain Delhi College has a total strength of 160 cadets attached to the 7 Delhi Battalion (NCC) of the Delhi Directorate. The college cadets participate in various training camps across India namely, Combined Annual Training Camp (CATC), Annual Training Camp (ATC), Advanced Leadership Camp (ALC), Thal Sainik Camp (TSC), Pre Republic Day Camp I, II and III, Republic Day Camp (RDC), National Integration Camp (NIC), All India Trekking Camp(AITC), Army Attachment Camp (AAC), Chief Minister Rally, Prime Minister Rally, Amar Jawan Jyoti Guard at India Gate (AJJ). Both these units organise blood donation camps every year where many students donate blood.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Our college pays special attention to our stakeholders i.e. both students and the faculty. They are free to express their views about anything they feel strongly. Full cooperation is extended to them so that their requests, complaints, grievance etc. are addressed. Student mentor scheme is active in the college to strengthen bonds between students and teachers. A few examples are:-

- Remedial classes are held to help weak students based on the feedback received from the students.
- If the majority of students are facing problems in a particular subject or a paper, special classes are arranged from either in-house or subject experts are invited from outside to assist students.
- If students request for some special course or a workshop which would assist them in their studies, we ensure that those value added workshops are conducted for them.
- Special English classes are held to assist students facing problems in languages so as to assist them in understanding the curriculum better.

1.3.6 How does the institution Monitor and evaluate the quality of its enrichment programmes?

All types of enrichment programmes mentioned so far are automatically monitored by the willingness of the students to participate. Check on the quality of our enrichment programmes is also kept by faculty members. Regular departmental meetings are held to discuss and evaluate problems and experiences to make the programmes more beneficial for students.

1.4 Feedback System

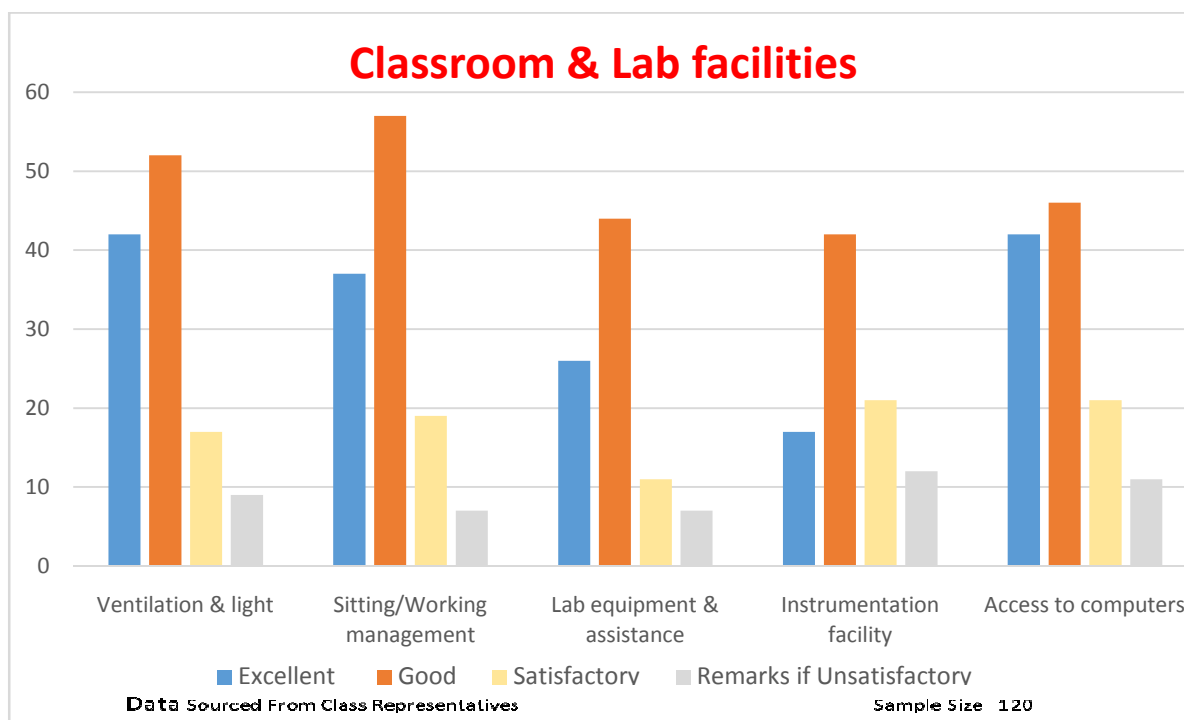
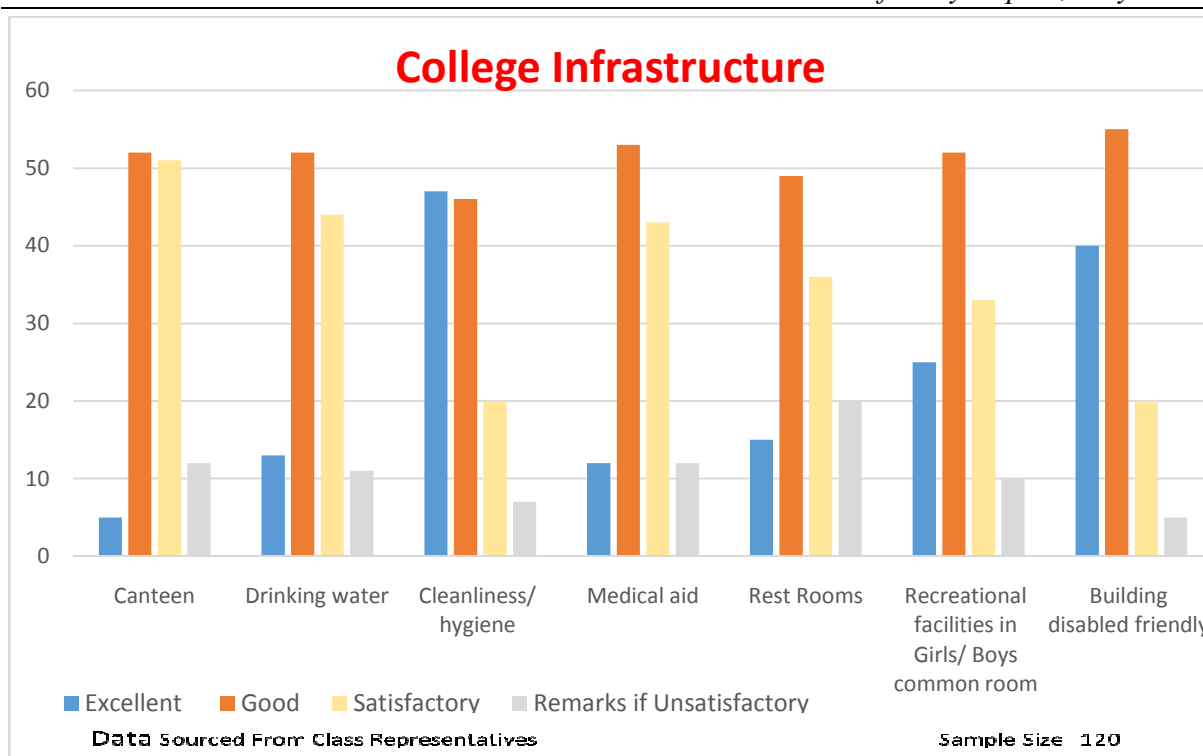
1.4.1 What are the Contributions of the Institution in the design and development of the Curriculum prepared by the University?

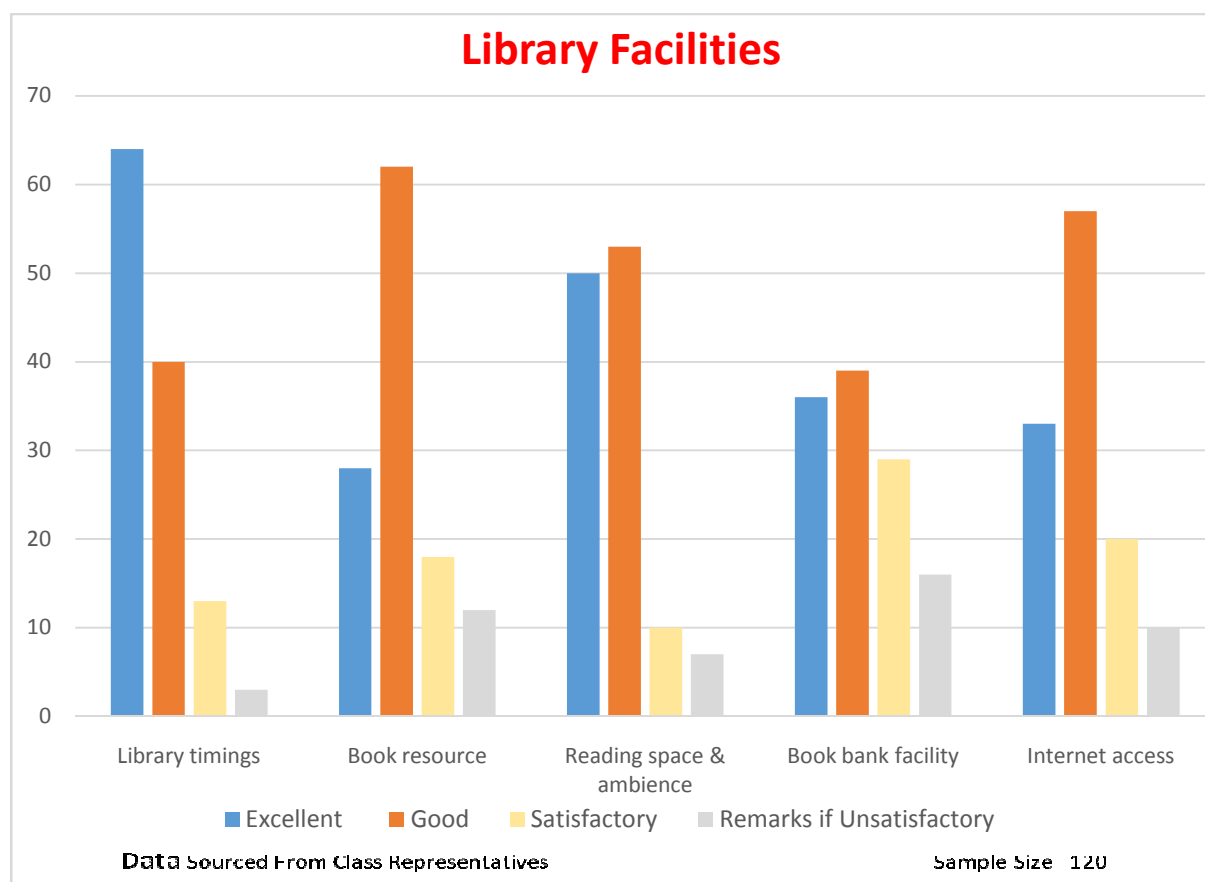
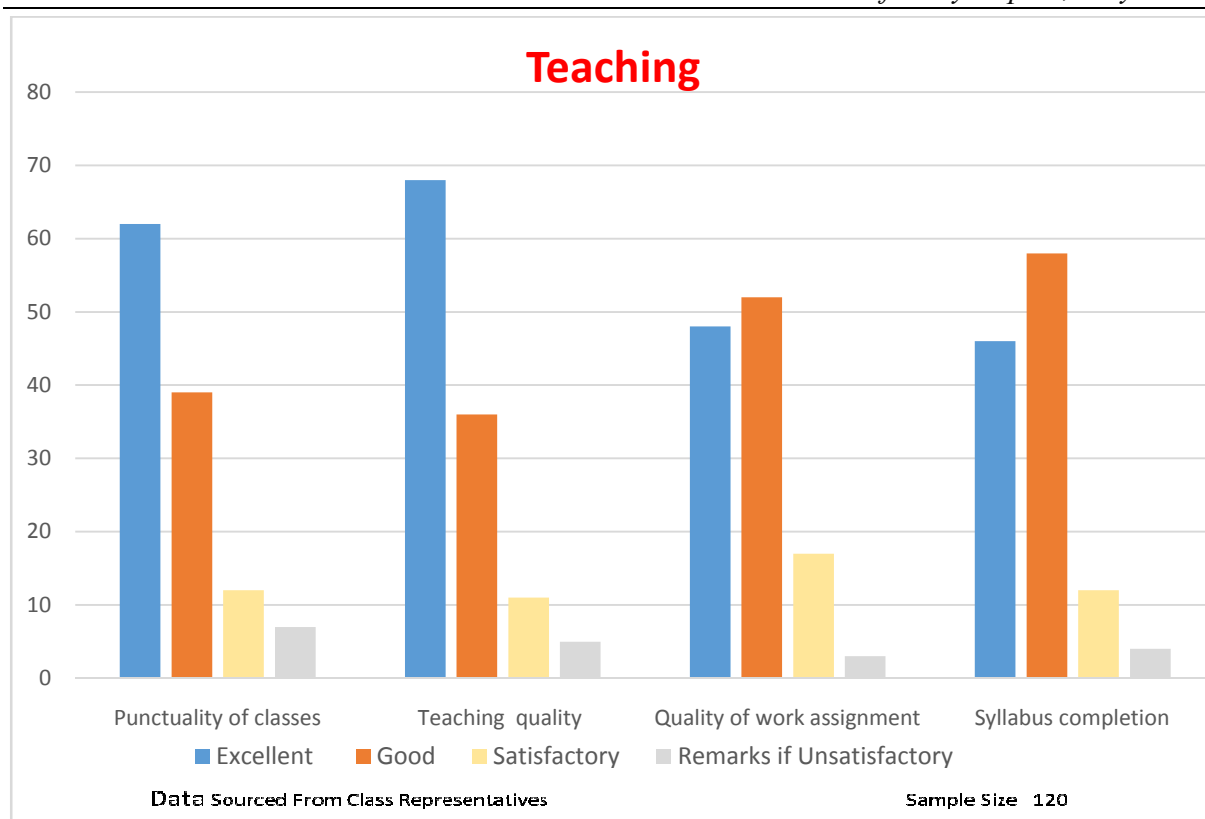
Many faculty members of Zakir Husain Delhi College are involved and engaged in the process of development of Curriculum and Syllabi of the University at Undergraduate and Post Graduate level. Many members of our faculty are members and conveners of the Board of Studies and Committee of Courses of the University of Delhi and Departmental Committees for curriculum development, planning and syllabi design (Details given in 1.1.6).

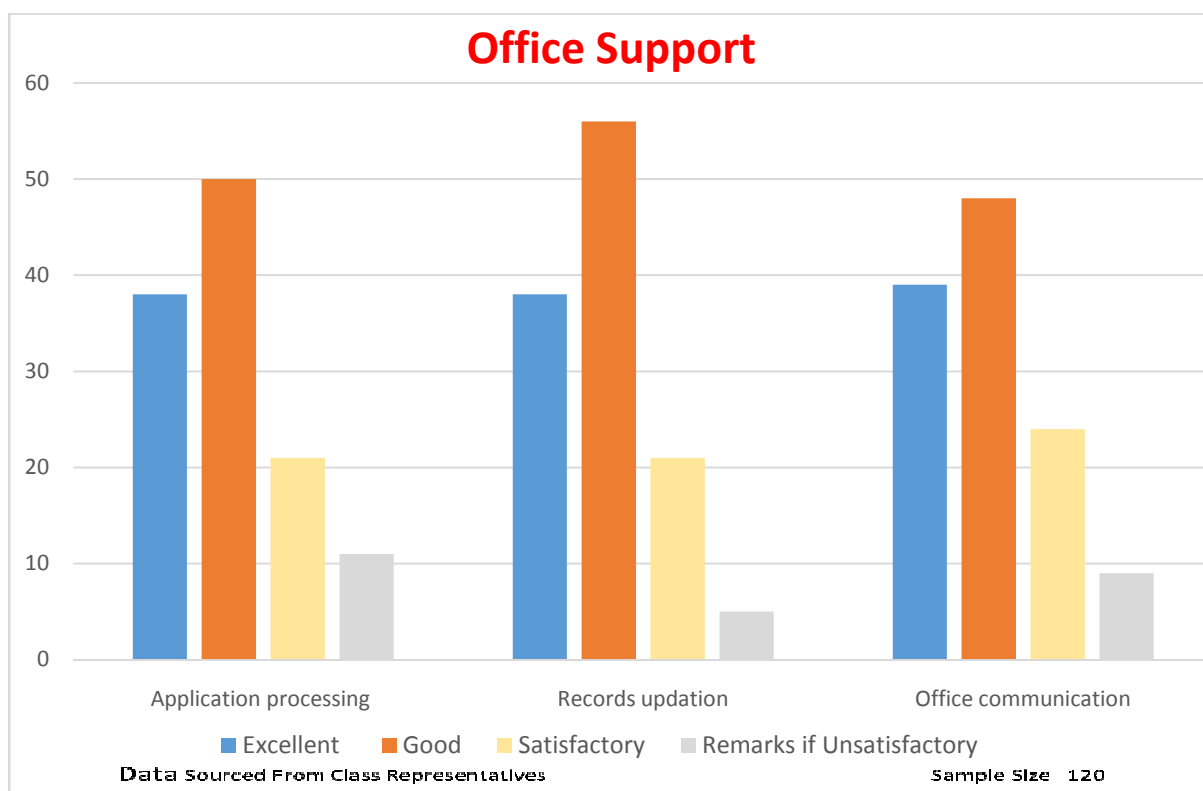
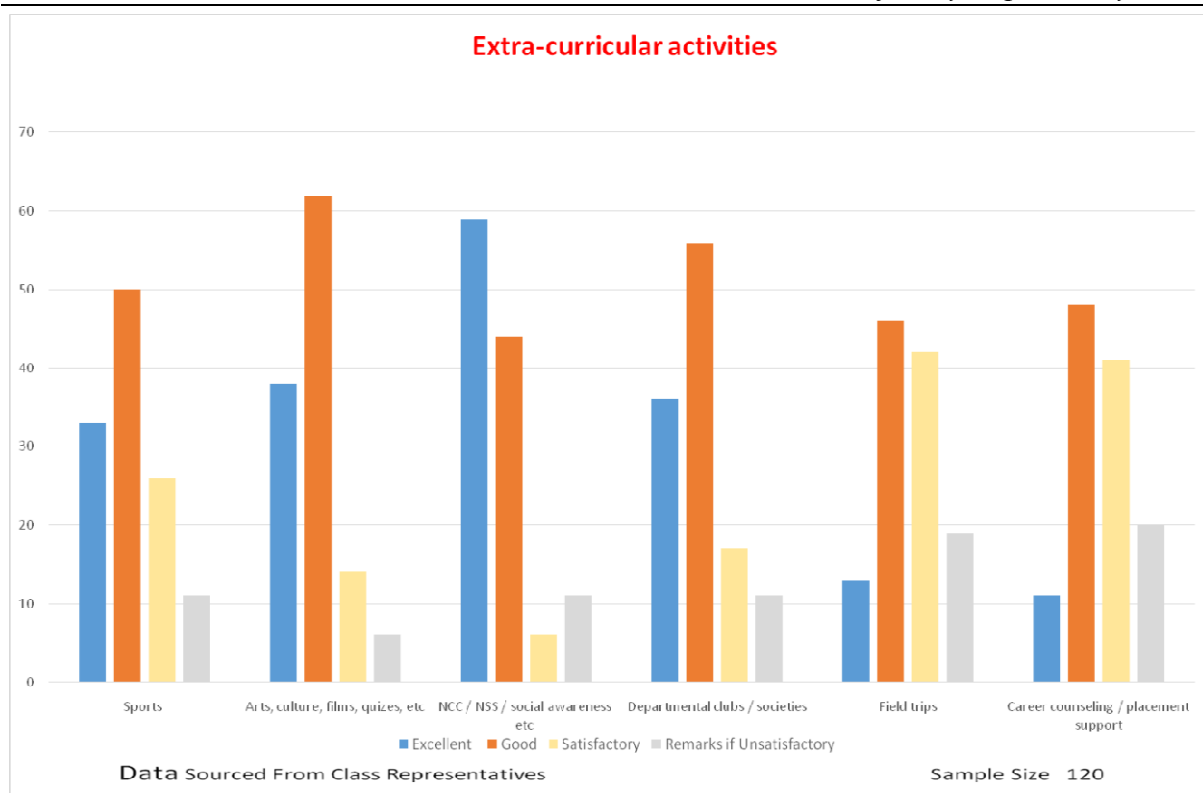
1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes / new programmes?

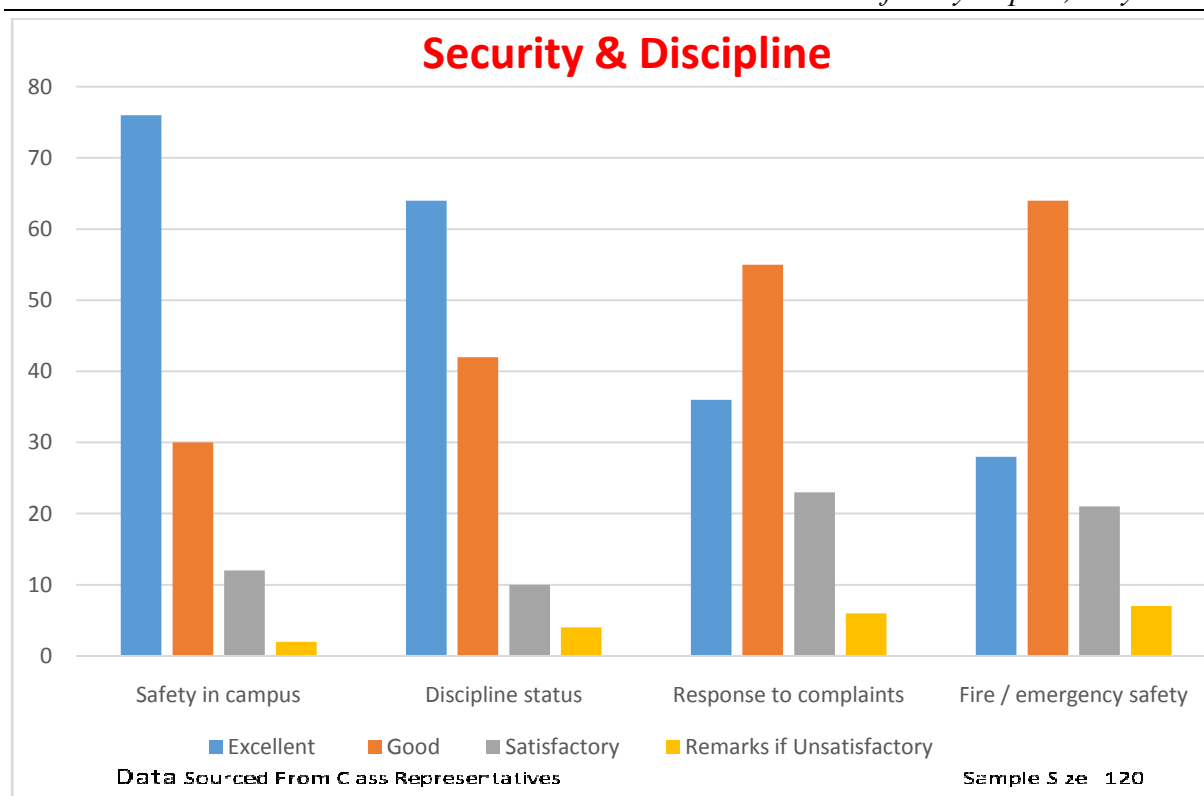
Yes, Zakir Husain Delhi College has started a system for collecting feedback from students through suitably designed feedback system. Academic supervisory committee of our college has collected feedback from class representatives of all the courses on various aspects including present curriculum structure.

The following charts give information on the feedback taken from the students:-









The Principal of our college also takes informal feedback from the students and faculty members periodically. Suggestions thus obtained are discussed in concerned departmental meetings from time to time.

1.4.3 How many new programmes / courses were introduced by the institution during the last four years? What was the rationale for introducing new courses / programmes?

University of Delhi switched from Three-Year Undergraduate Degree Programme in Semester mode to Four-Year Undergraduate Programme (FYUP), and consequently two Programmes were offered by the College as B.Tech. degree in place of B.Sc.(Hons.) or BA (Hons). These are

- B.Tech in (Electronics)
- B.Tech in (Psychology)

The course in psychology was converted into B.A. (Hons.) with the withdrawal of FYUP by the university but is continued in electronics.

The College also offers a skill development programme (**Diet Assistant**) in association with National Skill Development Corporation, Govt. of India and Max Institute of Health Education and Research (MIHER) (Details already discussed in 1.2.5)

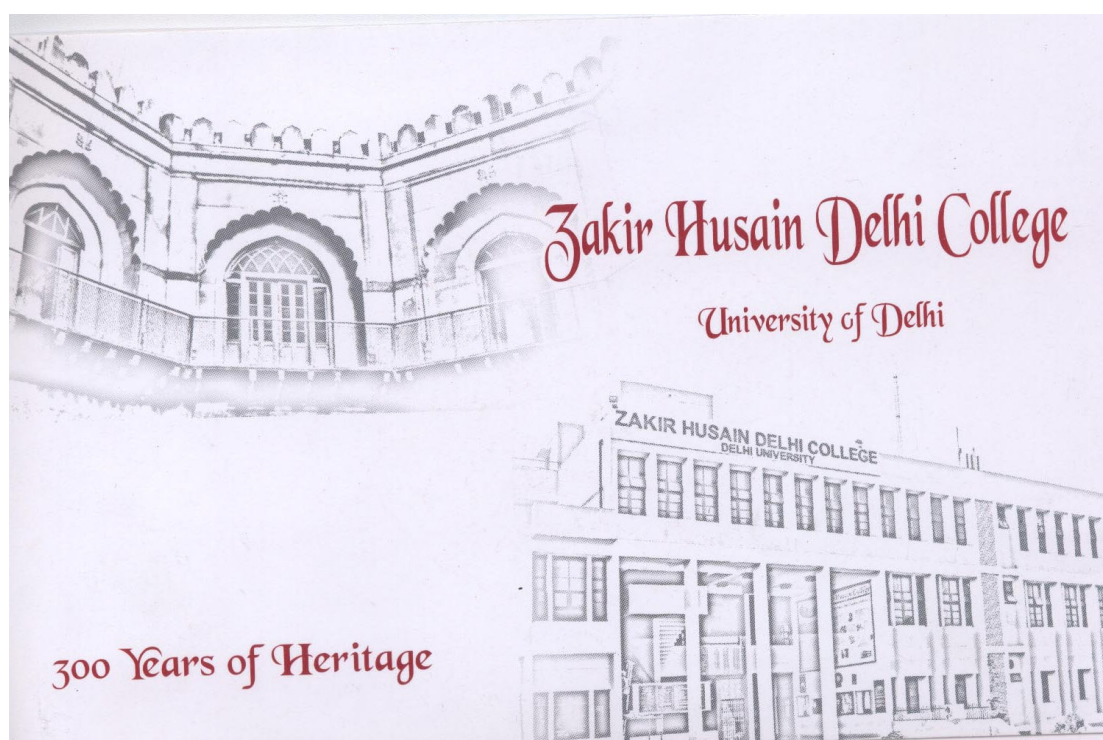
Any other relevant information regarding curricular aspects which the college would like to include.

The department of physics has forwarded a proposal to DU for the start of B.Sc (H) Physics course in the college.

CRITERIA- WISE INPUTS

CRITERION-II

Teaching-Learning and Evaluation



2.1 Student Enrollment and Profile

2.1.1 How does the institution ensure publicity and transparency in the admission process?

Being a constituent college of University of Delhi, Zakir Husain Delhi College follows guidelines stated by the university to ensure transparency in the admission process. The admission process is centrally conducted by the university, as also combined information brochure is also published by it. The admission process is given wide publicity through print and electronic media by the university.

The Staff Council facilitates admission process as per relevant statutes and ensures smooth and systematic functioning of the admission process through Admission Committee. The College Principal, Teachers-in-Charge of various departments & teachers nominated by Staff Council constitute Admission Committee. The senior most Teacher-in-Charge is nominated as convener of the Admission Committee. In addition, faculty members are designated to look after the admission process each of the reserved categories including SC/ST/OBC/PWD, and students from foreign boards. Separate committees are constituted for students who apply under the Sports and the ECA quota, as per university guidelines.

As customary practice, admission guidelines are discussed in the Staff Council and framed with the consent of all its members. In order to maintain transparency among prospective students and stakeholders about requisite matters, comprehensive information regarding guidelines for admission, fees, eligibility criteria, required documents, frequently asked questions etc. are displayed on college website, as well as printed in college prospectus.

Cut-off percentages for general and reserved category candidates for each course are decided in the meeting of admission committee, and are declared by the college on the specific dates according to the admission schedule of the university.

While cut off percentage marks for each course are declared in national dailies by the university and on its website, college admission committee declares it through college website and college notice board. Accordingly, applicants falling under the requisite cut-off percentage are considered eligible for admission. No student qualifying on the basis of the percentage as per cut-off list is denied admission provided she/he pays fees by the stipulated date and time. Same procedure is followed for declaring subsequent cut offs on the basis of availability of seats in respective courses.

NSS Student Volunteers provide assistance during admission by setting up a help desk. On parallel grounds, Counselling Committee takes up of admission related queries of students. Discrepancies encountered in the admission process are addressed and resolved instantaneously through a grievance redressal committee.

2.1.2 Explain in detail the criteria adopted and process of admission to various programmes of the institution.

Criteria for undergraduate courses:

The general criterion of admission for undergraduate courses is merit, which is decided by the percentage of marks based on best four subjects of the students studied in 12th standard for commerce and humanities. For science courses, it is the percentage based on three relevant

science subjects. The cut-off of each course is determined on the basis of the numbers of applicants and the number of seats available in each course in the college.

There are also additional eligibility criteria in some subjects, e.g., students applying for B.Com. (Hons.) must have studied Mathematics till 12th standard. In order to encourage certain languages such as Arabic, Bengali, Persian and Urdu, further relaxations are allowed to students if they have studied these languages at secondary or senior secondary level and also wish to pursue those languages as one of the subjects in graduation. These additional criteria and relaxations are also published and appropriately displayed on the college website with the respective cut-offs.

Criteria for post-graduate courses:

Common admission tests are conducted by the University for the candidates seeking admission in post-graduate courses. Merit lists are prepared by the University based on the marks obtained in the entrance test by the applicants. Subsequently, admission is given to eligible candidates based on the availability of seats in a particular college.

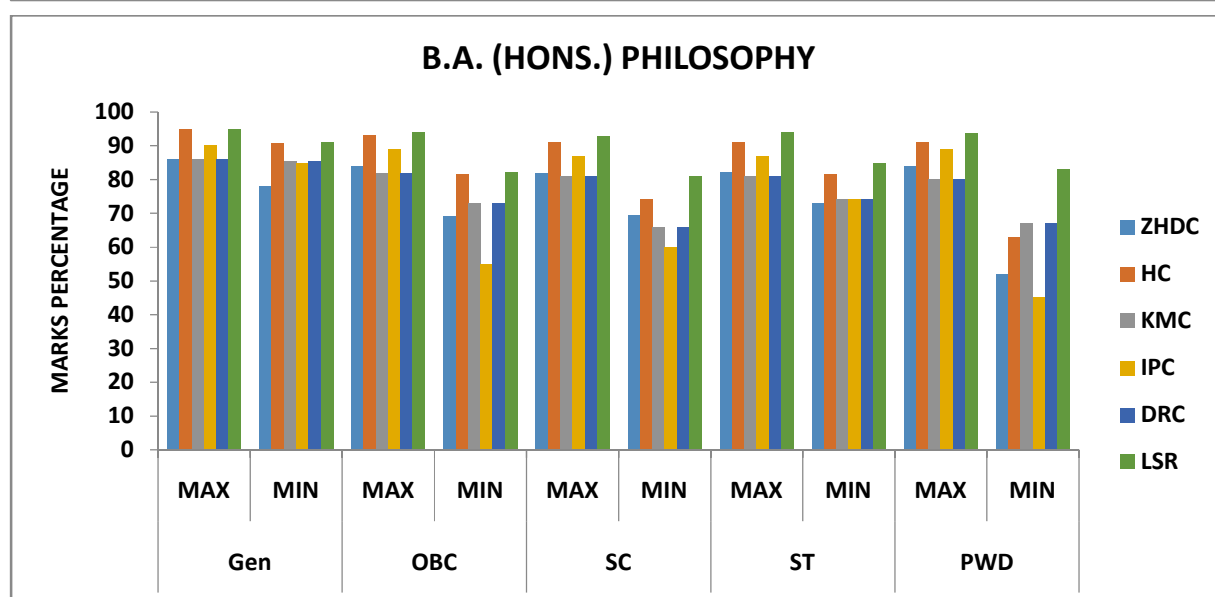
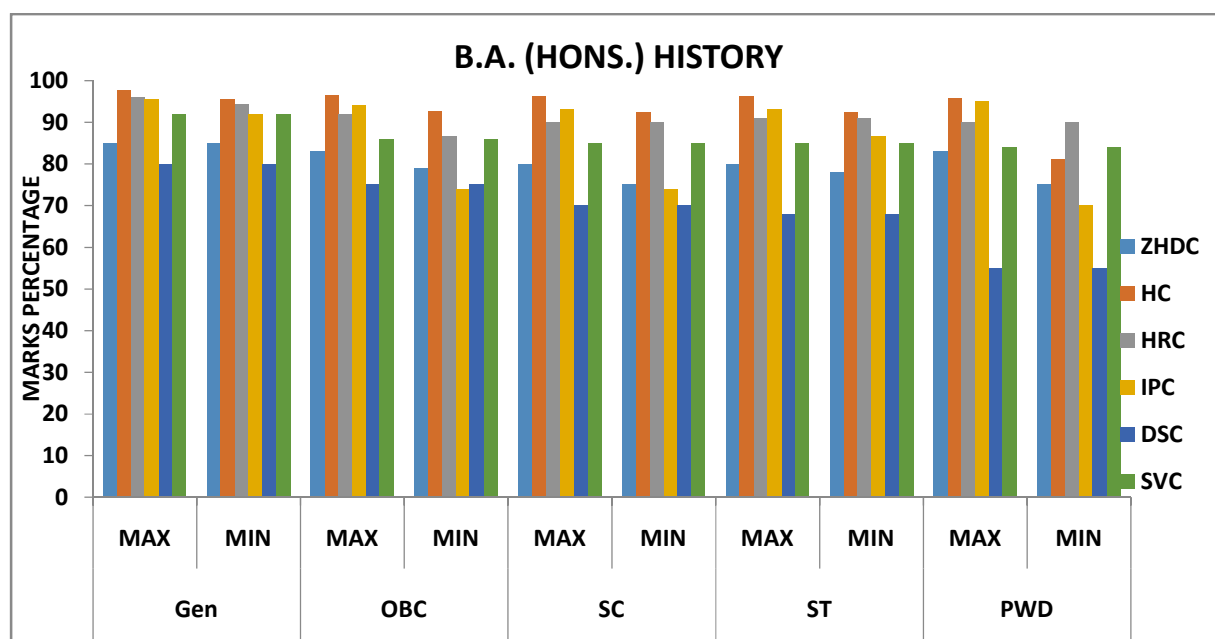
2.1.3 Give the maximum and minimum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

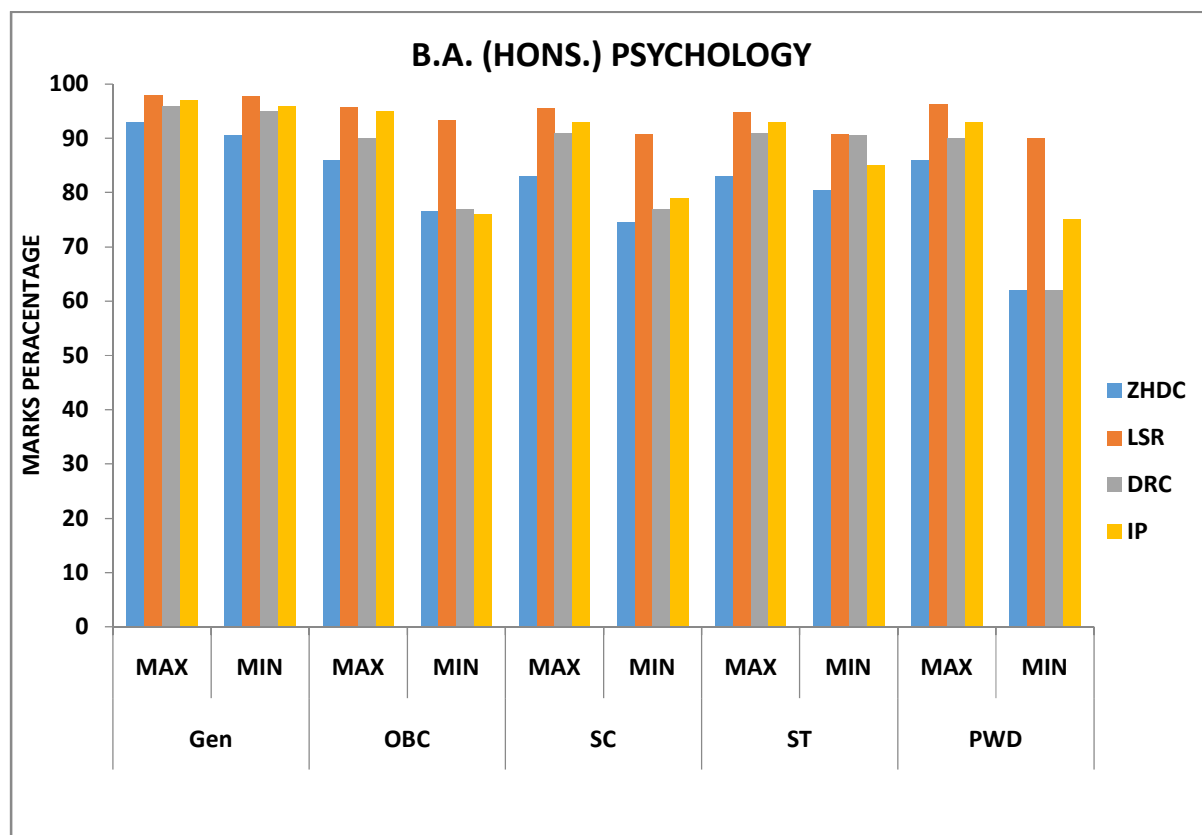
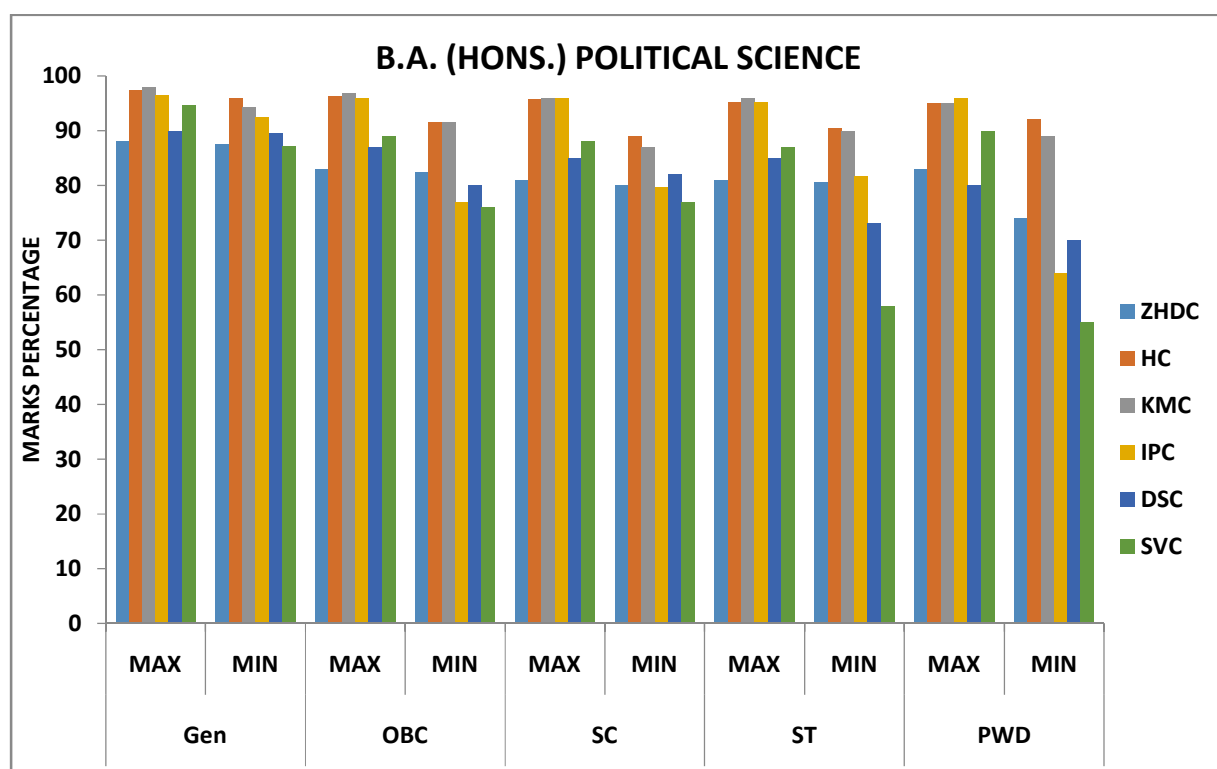
Maximum and minimum percentage of marks for each course offered by the college (for the session 2015-16) and the comparison with the some of the DU colleges is shown in the following Table 2.1 and the Bar graphs. The comparison of cut off percentage for different categories of students has also been made.

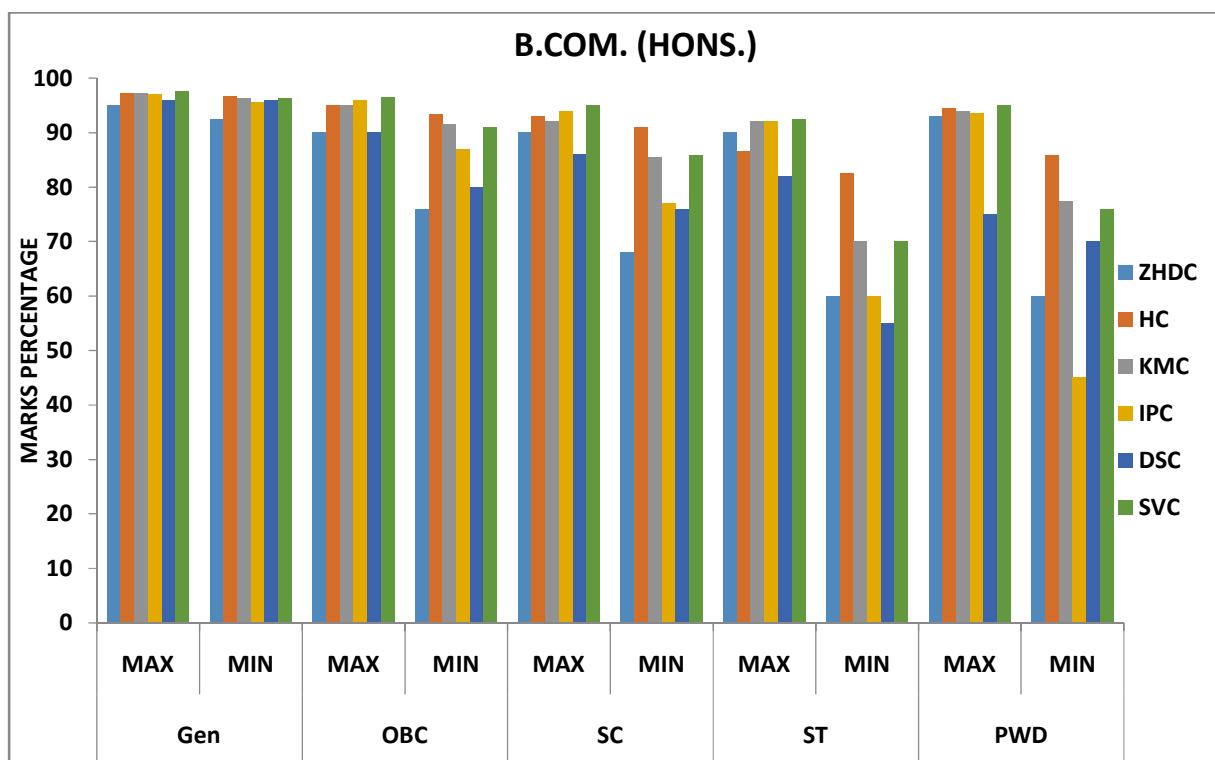
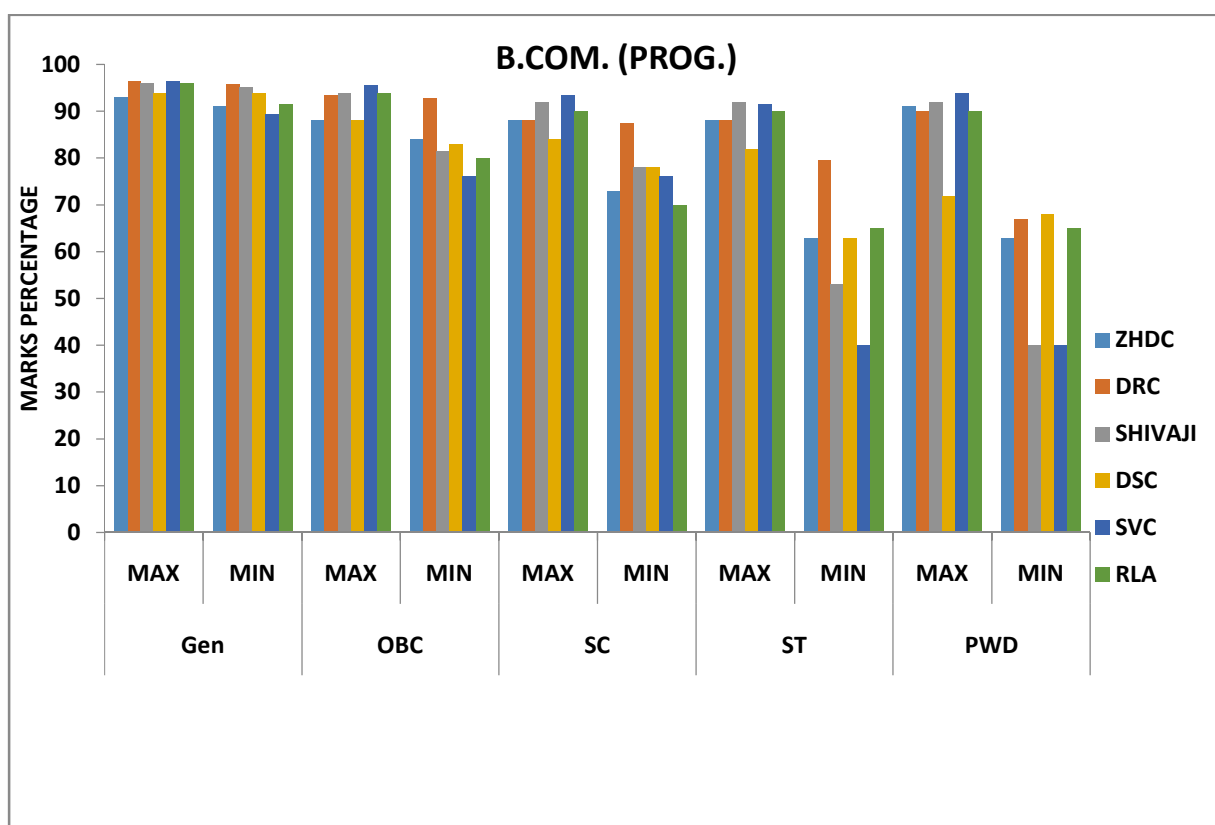
Table 2.1: Maximum and minimum percentage of marks for the session 2015-16

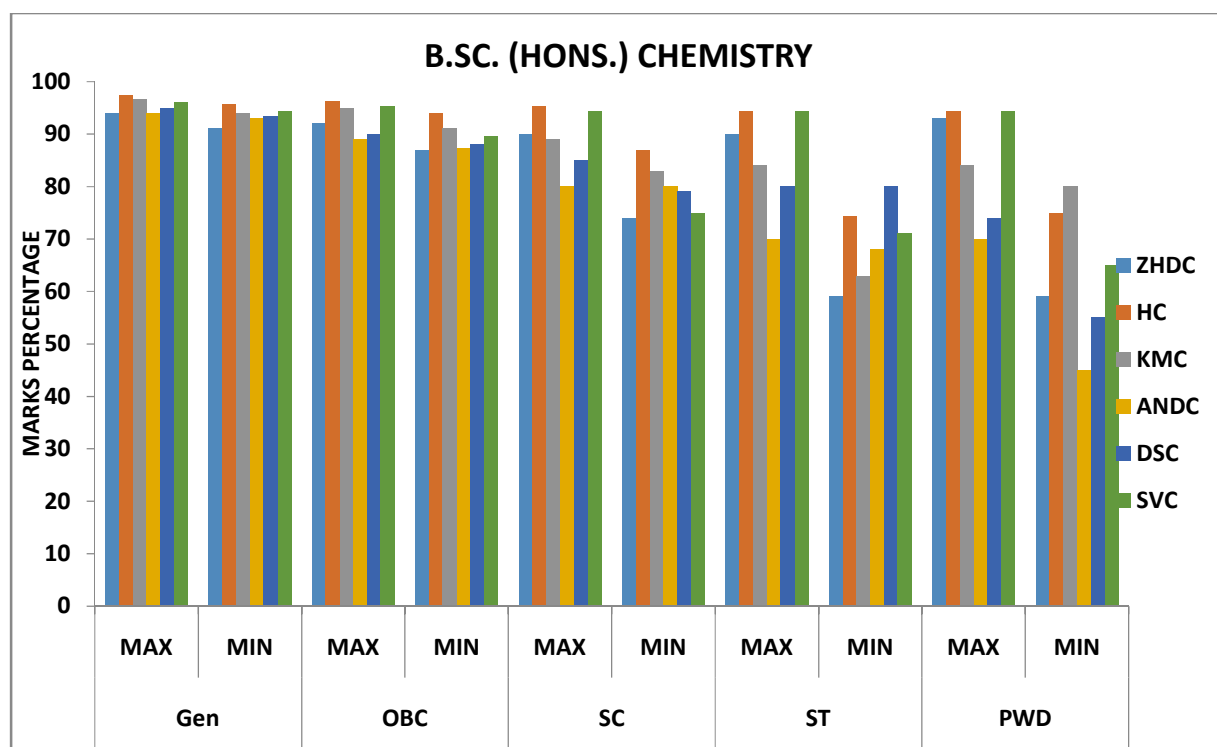
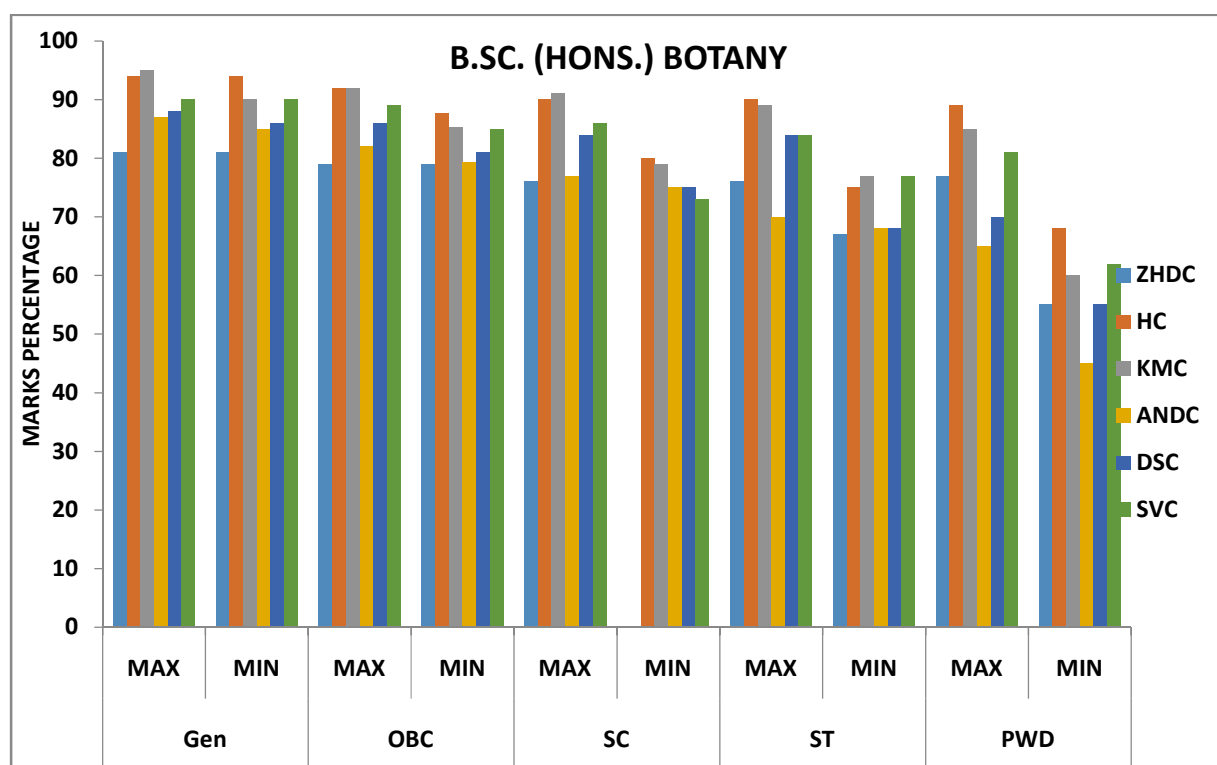
Course	Gen	OBC	SC	ST	PWD
B.A. (H) Arabic	68-65	66-55	All Eligible	All Eligible	All Eligible
B.A. (H) Bengali	All Eligible	All Eligible	All Eligible	All Eligible	All Eligible
B. A. (H) Economics	94	89-82	86-71	86-67	89-57
B. A. (H) English	92-91.5	89-79	87-80.5	87-78	89-57
B. A. (H) Hindi	78-77.5	73-71	73-70	73-45	73-65
B. A. (H) History	85	83-79	80-75	80-78	83-75
B.A. (H) Persian	All Eligible	All Eligible	All Eligible	All Eligible	All Eligible
B.A. (H) Philosophy	86-78	84-69	82-69.5	82-73	84-52
B.A. (H) Pol. Science	88-87.5	83-82.5	81-80	81-80.5	83-74
B.A. (H) Psychology	93-90.5	86-76.5	83-74.5	83-80.5	86-62
B.A. (H) Sanskrit	66-58	64-48	61-49	All Eligible	All Eligible
B.A. (H) Urdu	67-66	65-61	All Eligible	All Eligible	All Eligible
B.Com.(P)	93-91	88-84	88-73	88-63	91-63
B.Com.(H)	95-92.5	90-76	90-68	90-60	93-60
B.Sc. (H) Botany	81	79	76	76-67	77-55

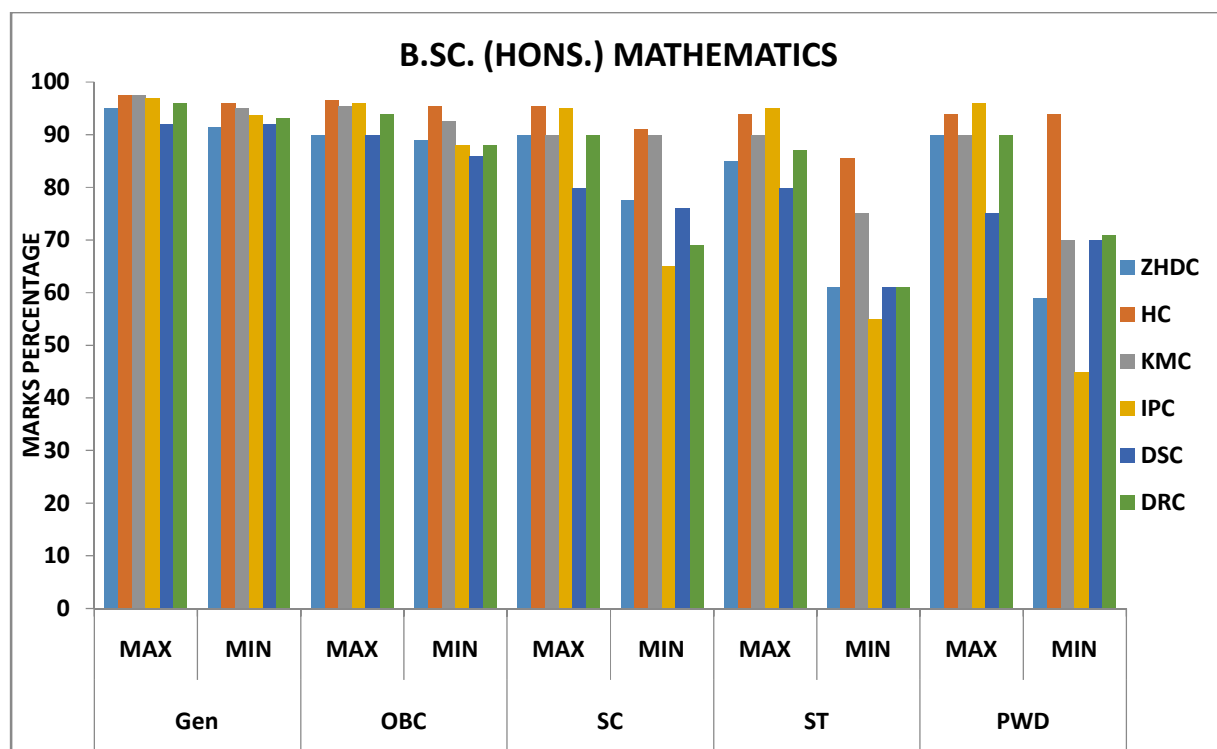
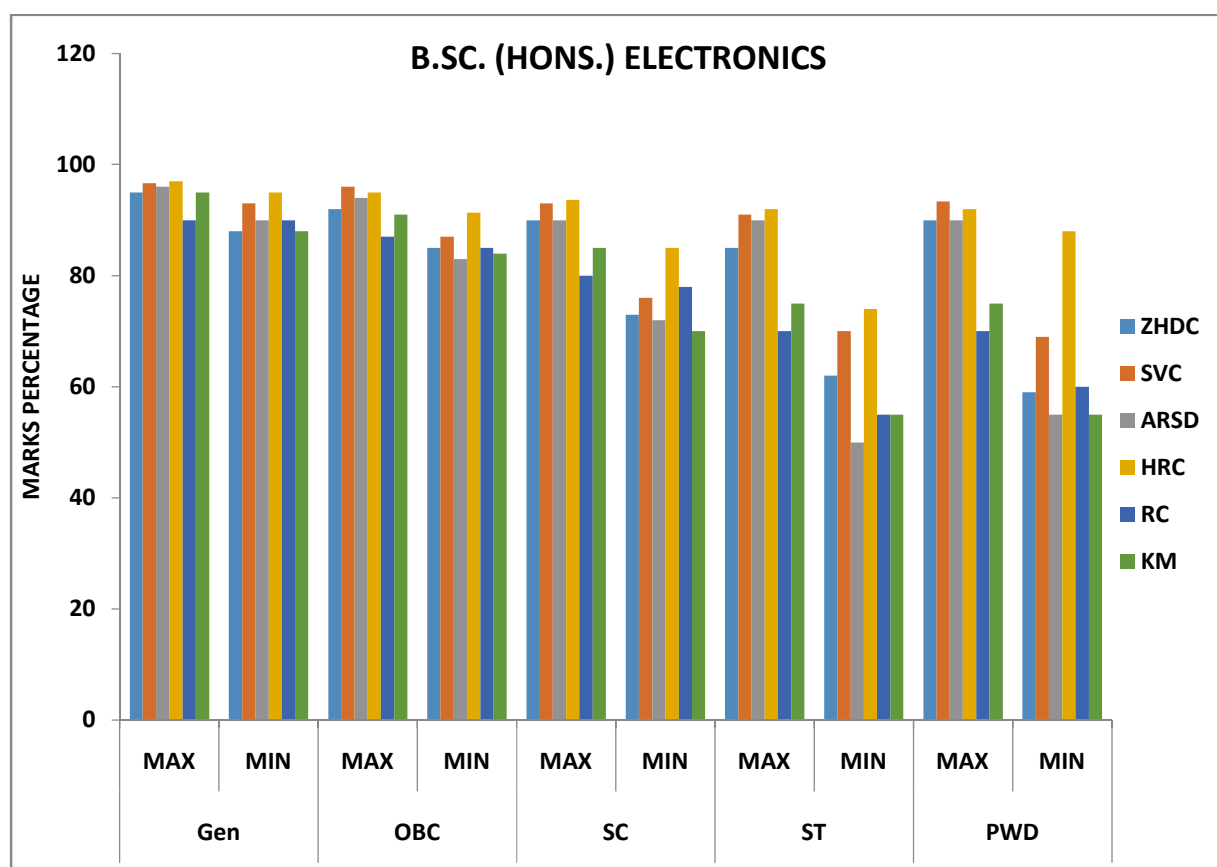
B.Sc. (H) Chemistry	94-91	92-87	90-74	90-59	93-59
B.Sc. (H) Electronics	95-88	92-85	90-73	85-62	90-59
B.Sc. (H) Mathematics	95-91.5	90-89	90-77.5	85-61	90-59
B. Sc. (H) Zoology	83	80-79.5	79-78	79-68	80-54
B. Sc. Life Science	80	77-75	75-69	75-57	75-50
B.Sc. Physical Science	80	77-72	75-67	75-53	75-50
B.A.(P)	Percentage for admission depends upon the subject combinations				

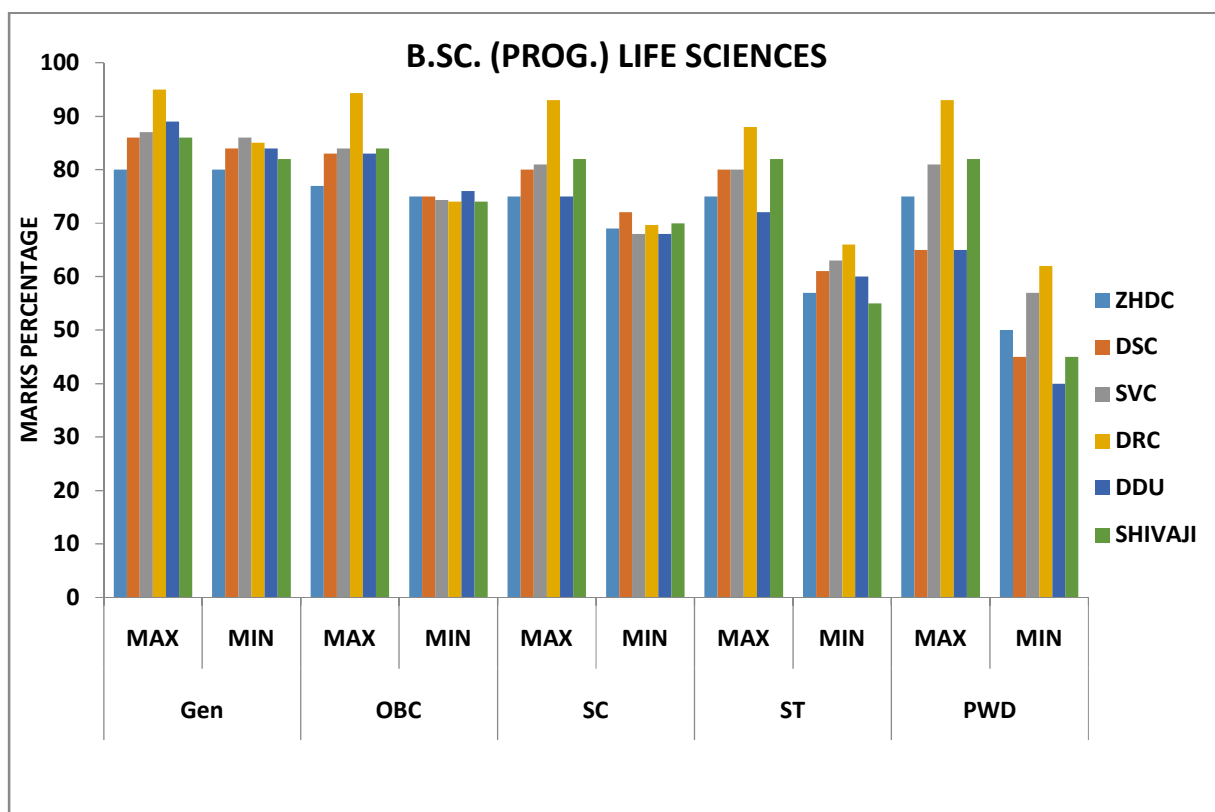
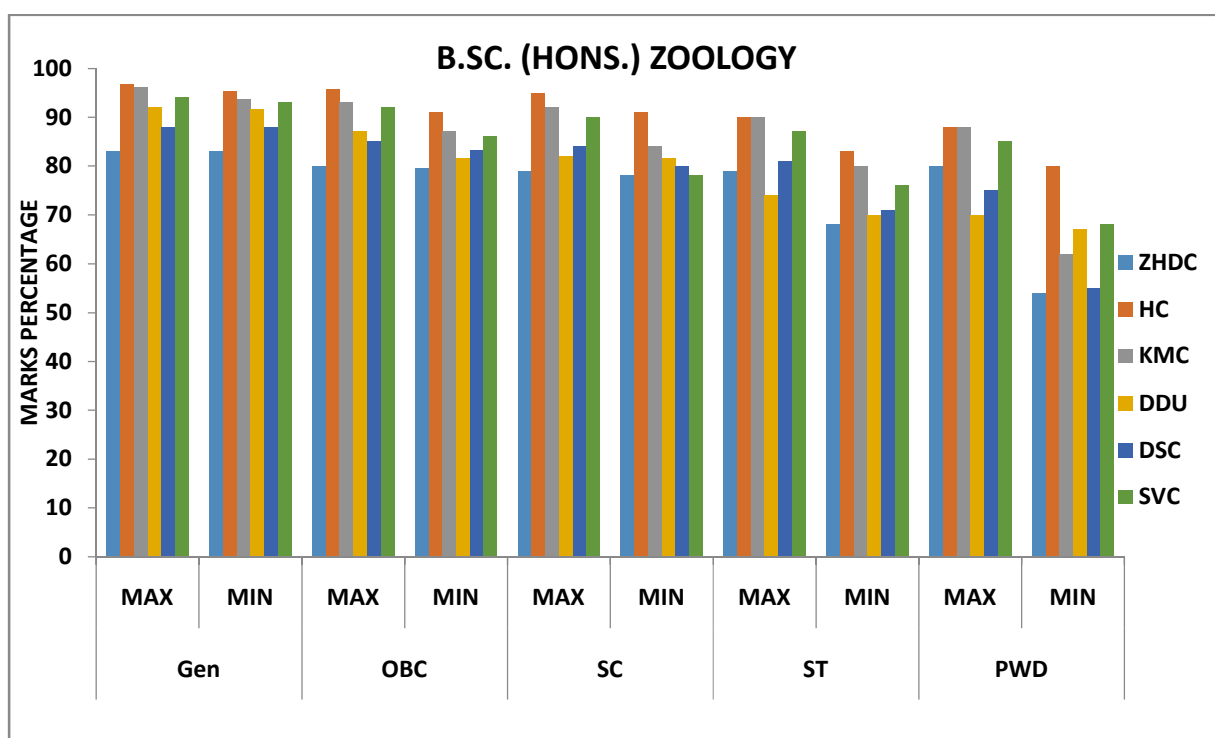


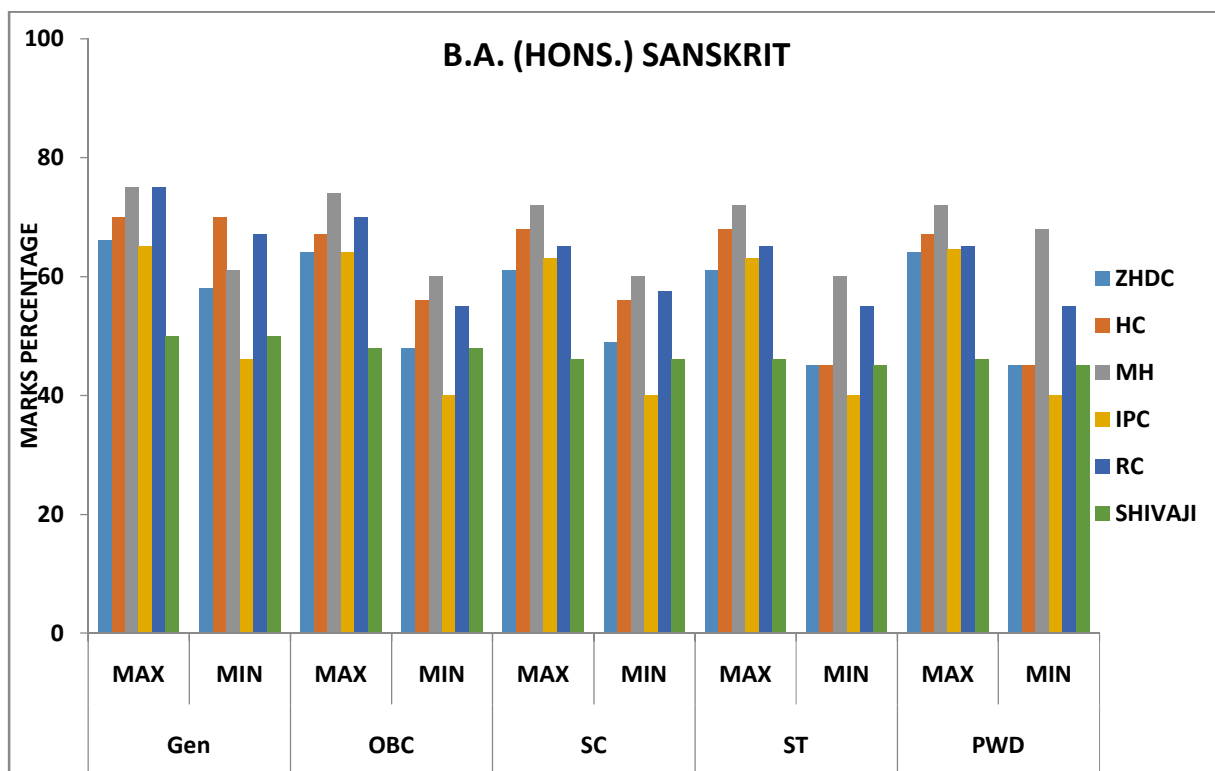
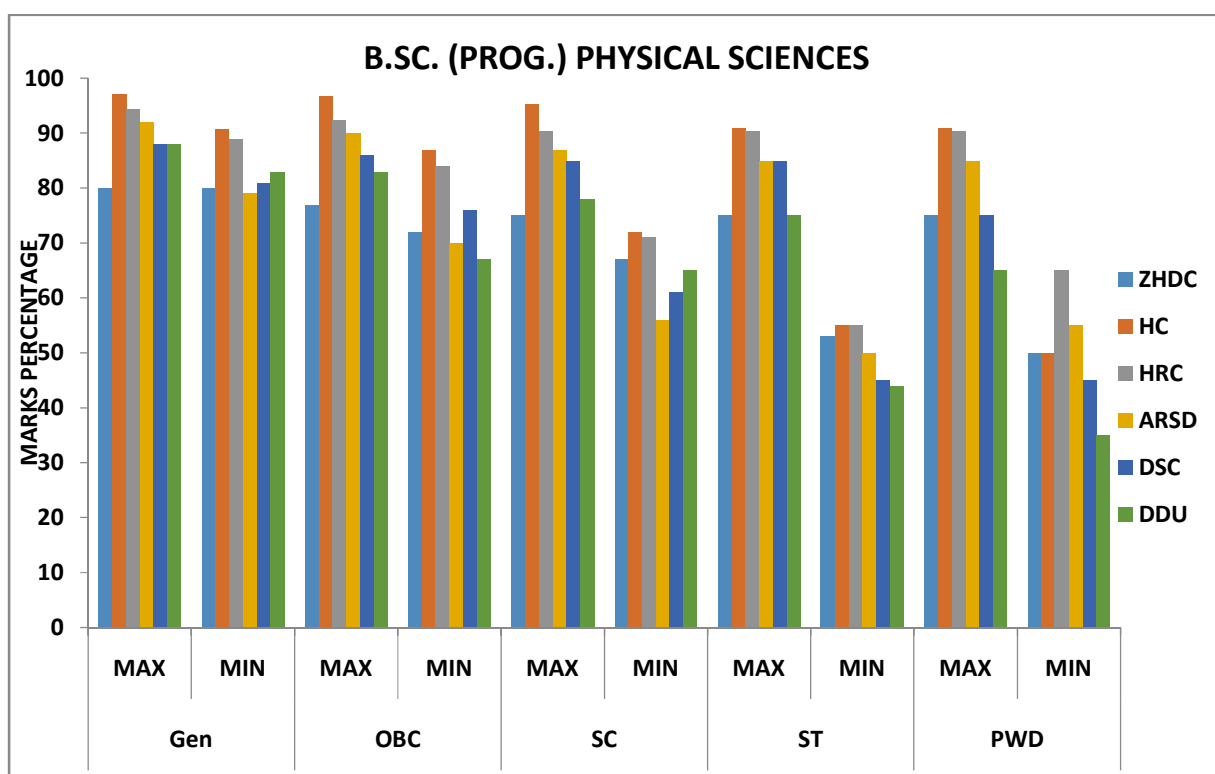












2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

Before the commencement of admission, the criteria for the admission is discussed and analyzed in the Staff Council meeting of the college. Post the completion of admission process, exhaustive report of the entire process is prepared by the Admission Committee and presented in the Staff Council for review and feedback. Consequently, suggestions are made to improve deficiencies in the process in the next year. For example, based on past experiences, in the year 2015-16 relaxation of 2% for girl students was removed. However, having experienced negative impact on enrolment of girl students in some courses, it has been decided to give this relaxation again in the current year.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate how the admission policy of the institution and its student profile demonstrate/reflect the National commitment to diversity and inclusion.

* SC/ST

* OBC

* Women

* Differently abled

* Economically weaker sections

* Minority community

* Any other

The National Policy of inclusion of SC/ ST and OBC candidates is strictly followed by the college in admission policy. A separate cut off list is declared for admission of students belonging to above categories. College ensures that all reserved seats are filled. To include maximum number of students, cut off percentage is lowered further and deadlines are extended. Quota for Children of War Widows, Kashmiri Migrants, Tibetan refugees and foreign nationals is filled as per University rules.

The enrolment of students has been widespread across the different categories in last three years reflecting diversity as well as adherence to University rules with respect to reservation policy.

The diversity and inclusion of students is well reflected in the numerous courses that are being offered by the college. Following is the statistics for student profile of the last three years.

Categories	2013-14		2014-2015		2015-2016	
	Male	Female	Male	Female	Male	Female
SC	408	130	411	131	315	75
ST	164	27	145	19	75	13
OBC	644	210	733	218	616	175
General	1130	804	1259	835	1175	756
Others	22	02	36	01	124	56

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends i.e., the reasons for increase/decrease and actions initiated for improvement.

Students apply for admission at DU through a common admission form. A student can apply for all the colleges of DU and for any number of courses by filling one form only. So it becomes quite difficult to determine the number of students actually interested in admission to a particular course. The number of students admitted to various courses in our college in three previous years is listed below:

Programme	Number of students admitted		
	2013-14	2014-15	2015-16
B.A. (H) Arabic	14	12	15
B.A. (H) Bengali	7	7	9
B.A. (H) Economics	48	28	31
B.A. (H) English	54	26	32
B.A. (H) Hindi	48	43	37
B.A. (H) History	58	40	35
B.A. (H) Persian	20	10	10
B.A. (H) Philosophy	23	18	28
B.A. (H) Pol. Science	112	92	98
B.A. (H) Psychology	37	34	36
B.A. (H) Sanskrit	21	16	16
B.A. (H) Urdu	44	25	26
B.A. (Prog.)	-	250	205
B.Com.(H)	175	189	102
B.Com.(Prog.)	-	46	70
B.Sc. Physical Sc.	-	53	59
B.Sc. Life Sc.	-	43	52
B.Sc. (H) Botany	46	28	47
B.Sc. (H) Chemistry	72	60	69
B.Sc. (H) Electronics	24	17	45
B.Sc. (H) Mathematics	95	54	58
B.Sc. (H) Zoology	37	77	50
M.A. (Arabic)	23	16	23
M.A. (English)	7	9	10
M.A. (Hindi)	13	11	12
M.A. (History)	14	4	2

M.A. (Philosophy)	8	8	19
M.A. (Pol. Science)	22	19	11
M.A. (Psychology)	30	17	23
M.A. (Sanskrit)	12	8	14
M.A. (Urdu)	7	19	26
M.Com.	17	14	19
M.Sc. (Chemistry)	9	7	13
M.Sc. (Mathematics)	26	28	36
M.Sc. (Zoology)	4	2	1
Total	1127	1330	1339

In the last three years, DU has gone under major curriculum changes, two times. In 2013-14, FYUP was introduced which was subsequently rolled back in 2014-15 with the re-introduction of the old semester system. Again, in the year 2015-16, CBCS was introduced. Due to the elimination of 'pass courses' in FYUP, the number of seats increased in certain honours courses. In subsequent years, the intake of students was reduced in some courses due to curriculum change to semester system and subsequently to CBCS system. Looking at figures of intake of students no major conclusion can be drawn as all three concerned years have had different curricula being studied by the students, which had an impact on enrolment of students. Since all these factors are applicable throughout the University; no specific actions are required from the side of the college.

However, in certain courses specific relaxations are either given to promote certain weak courses offered by the college. Further, certain additional criteria have been laid down in certain years in order to have check on excess admissions experienced in the past years.

2.2 Catering to student diversity

The admission procedure in ZHDC follows DU rules for different categories of students. The college also follows Government policy on diversity and ensures that students from diverse background get adequate attention and quality education. The college has an inclusive approach and accommodates diversity with principles of equality.

In terms of student diversity, ZHDC occupies a unique position because of its geographical location. Located at the cusp of old and New Delhi, it caters to the students of walled city and has been an institution of eminence for several generations of the families living in that area. More significantly, it's a boon for first generation female students as its inclusive environment gives them an opportunity to have college education.

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

ZHDC is sensitive and alert to the needs of differently-abled students. The national policy identifies persons with disabilities (PWD) as necessary and valuable assets of our country and its basic goal is to create an atmosphere for them in conjunction with the basic constitutional rights

i.e. equality, freedom, justice and dignity. The college sincerely adheres to the national policy for differently-abled as laid down by Government of India. The Equal opportunity Cell of the college ensures effective implementation of the policies meant for differently-abled students and faculty.

Since the implementation of XI UGC financial plan, Enabling Unit (*Hum Honge Kamyab*) of ZHDC has been catering to the needs of students with different abilities. The unit organizes regular meetings and counselling sessions with the students to address their concerns and problems. It also provides essential **Braille** stationary to visually challenged students in the college premises. Our students participate in various inter-college cultural fests and the annual sports meet organized by Equal Opportunity Cell of Delhi University.

As per the government norms, ZHDC has reserved 3% seats for these students. During admissions, a separate help desk is provided to assist them and to cater to their queries and doubts by enabling unit. The college campus is designed keeping in mind the needs of differently abled persons in mind. Infrastructural facilities like ramps, elevator and wash rooms are designed to ensure accessibility and mobility.

During examinations, a scribe is appointed for every visually challenged candidate who writes for him/her. They are also granted additional time for writing their exam. The faculty members provide individual attention to such students after the routine class hours to facilitate their learning needs.

ZHDC provides Delhi University Braille library membership to all the visually challenged students where they can get all their reading material both in Braille format and audio CDs. The college library contains a computer connected with LEX scanner that converts text into voice.

There is no discrimination in ZHDC among the able and the differently abled students. The differently abled students get preference in all support schemes available in the college. ZHDC constantly attempts to create a sense of belongingness, comfort and inclusion amongst the students and builds up their confidence.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the Commencement of the Programme? If yes, give details on the process

Zakir Husain Delhi College follows the admission guidelines laid down by DU. Prior to admission process, no such assessment is done since all students are admitted as they figure in college cut off list. However, during admission days counselling of students is done by student volunteers and faculty to help them to choose their course of interest. The TICs of various departments also guide the students during admission days when they come for admission for particular course. By figuring out their area of interest during informal discussions, they facilitate the students in making a choice of the course based on their interest.

ZHDC holds an orientation day, prior to the commencement of the new academic session, for the students to acquaint them with the college culture, college societies, examination pattern, ECA, sports and other facilities. The principal also addresses the gathering. Students' queries and doubts are answered. Subsequently, each department organizes its departmental orientation program to apprise them of the course content and scope of the program in which they are enrolled. Same day these students are provided with identity cards, library cards and their respective time tables.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/Add-on/Enrichment Courses, etc.) to enable them to cope with the Program of their choice?

ZHDC maintains the highest standards of teaching and believes in imparting education to all in an unbiased manner. Being aware of the fact that learning is a continuous process that varies with each learner, our faculty members aim to create an environment where everyone grows and reaps benefits. Students are encouraged to make presentations on various topics, and present it in front of the whole class to enhance their confidence, communication skills and participation. Tutorial classes in some subjects provide an important space where teacher can easily diagnose their students and then devise various strategies to bridge the knowledge gap among them. Personalized counselling is also done by individual teachers on different issues. This way they are more motivated and better able to participate in a heterogeneous and complex society. In addition, Equal opportunity cell and English department of the college offer the following programs, especially for SC/ST/OBC, minority and economically weaker sections of the society.

English remedial classes held during last three years

S. No.	Year	No. of Students
1.	2012-13	30
2.	2013-14	32
3.	2014-15	25

Capacity building and Personality development classes held during last four years

S. No.	Year	Subject	No. of Students
1.	2011-12	Reasoning, Current Affairs, Maths, English, General Knowledge	118
2.	2012-13	Reasoning, Maths, English, General Knowledge, Personality Development	122
3.	2013-14	Reasoning, Maths, English, General Knowledge, Personality Development	110
4.	2014-15	Reasoning, Maths, English, General Knowledge, Personality Development	120

English Proficiency Classes for girl students

These classes were started in the college from the session 2015-16 and eight students got benefited by this effort.

The college also offers Add-on courses to supplement the course work, the details of which are given below.

S. No.	Name of the Add-on courses	Goals/Objectives
1.	Certificate course in Urdu language	It aims to teach this classical language in its contemporary perspective to the students from various streams. This provides them with several job opportunities.
2.	Certificate course in Russian language	This course provides better job opportunities in government, semi-government and corporate sector.
3.	Computer Literacy course	This course is specially designed for those girl students who do not have basic computer knowledge.

2.2.4 How does the College sensitize its staff and students on issues such as gender, inclusion, environment etc.?

As per DU norms, ZHDC has number of societies and committees to sensitize college community on issues pertaining to environment, women's rights, gender parity and empowerment.

ZHDC Girls' Association focuses on overall development of female students by organizing various programmes like lectures, workshops, street plays and skits to sensitize students and staff members on gender related issues. Recently, Girls Association organized a self-defence workshop, in collaboration with Delhi police.

The NSS Unit of ZHDC has made valuable contributions to the wholesome growth of our students by sensitizing them about various social issues by organizing various activities like blood donation camps in collaboration with Red Cross society; collection and donation of clothes and goods from students and staff for flood affected areas, free eye check-up camps etc. A seminar on children with special needs, with a focus on mental disability, was also organized. NSS volunteers participated in a street play on the theme of 'Child Rights' in University Cultural Festival – Antardhvani 2015. They also organized an Oil conservation awareness program in association with Petroleum Conservation Research Association (PCRA).

The North East Cell of the college deals with the problems of students from North Eastern region. It also ensures that these students, who often feel isolated being far from home, become more integrated with the larger college community.

The Nature and Environment Society of ZHDC, **Srishti**, has been actively raising environmental issues with active participation from the students. The society organizes various activities like lectures, seminars, symposiums to sensitize students towards environmental issues. Educational trips to Yamuna Biodiversity Park, Asola Bhatti wild life sanctuary, and Kanha Tiger Reserve were organized for the students. Workshops on designing bird nests and bird feeders, composting and vertical gardening were held to make the students aware of different environmental initiatives which they can undertake at an individual level. A paper making lab is set up in the college, which uses waste paper generated in the college to make handmade paper sheets. ZHDC is in the process of signing an MOU with Azure Power to install a Solar Plant of capacity 50.22 KW. This will reduce carbon emission and will save Rs 2.5 lakh/annum. The college keeps inviting eminent personalities to address the students and staff on various environmental issues

and the need for its protection. In this regard, very recently the notable environmentalist and the main inspiration behind the Chipko Movement, Shri Chandi Prasad Bhatt was invited to deliver a lecture.

The Garden Committee adds to the biodiversity of the college campus. Every year this committee bags several awards at the DU flower show. Botanical society “Nargis” has been organizing an inter-college environment quiz competition to promote awareness about various environmental issues among students. This year the society started the campaign ‘Say no to plastic bags, use cloth bags. Students of Arts and culture society presented a street play ‘Say no to crackers’ at Dilli-Haat on the invitation by the Department of environment of NCT of Delhi.

We were the first college in DU to declare our campus pan masala, gutka and Tobacco free. Keeping in mind health issues, we discourage use of carbonated drinks and junk food in our canteen. Instead, fresh juices in tetra packs are made available.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

ZHDC is alert in identifying and addressing the learning needs of advanced learners. The teachers keep a track on students’ performance through continuous evaluation and presentations. Meritorious students are rewarded through scholarships, prizes and awards at departmental as well as college level.

The college has a number of societies. Every year these societies organize various activities like seminars, debates, quizzes and plays. These activities provide them a platform and opportunity to explore their potential and talent. Promising students are identified and they represent the college in various inter-college and university level competitions and events.

Students with notable research aptitude are also identified by teachers through personal interactions, group discussions, and academic performance. They are then encouraged to blend classroom learning with practical experience by way of summer projects at the college or other reputed research laboratories, and through collaborative innovation projects supervised by their faculty and sponsored by DU.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

The academic performance of the student, throughout the semester, is monitored by the concerned faculty, in their individual capacity. The students who are at the risk of dropping out are identified through day-to-day interaction in the class and analysis of examination results. College takes following measures to retain them:

- Students with poor performance are counselled by the faculty and they are encouraged to work hard and learn from their mistakes.
- Students from weaker sections are granted fee waiver/ financial support from student aid fund.
- Various facilities are provided to physically challenged students.

- If a student is unable to cope with a particular course, he/she is given the permission to change the course as per university guidelines.

Dropout is mainly due to the transfer of students to other professional courses of their interest.

2.3 Teaching-Learning Process

The academic calendar, examination and evaluation schedule are decided by the Delhi University and the college adheres to them. However, the college also devises its own methods of evaluation and teaching plan within the parameters set by the university. The departments, at times, conduct mock exams and other written and oral tests to prepare the students.

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

The college strictly follows the academic calendar of DU. At the end of each semester, teacher-in-charge of each department holds a meeting with all the teaching staff and prepares teacher and paper wise workload for the next semester and submits it to the Staff Requirement and Time-Table committees for scrutiny. Based on the work load submitted by each department, time-table committee prepares a master time-table, course wise, and class room wise and displays it on the college website, before the start of the semester. Each department then prepares a teacher wise time table. Time-tables are also displayed in class rooms and on notice boards of individual departments.

Class tests, student presentations and internal assessments are regularly conducted and evaluated by teachers for their respective papers, and the marks are uploaded on college website in time. The moderation committee monitors the marks of the internal assessment. Examination schedule of university is notified through academic calendar as well as through the college prospectus before the beginning of semester, so that the students can better prepare for the examinations. DU has a centralized evaluation process and the dates are announced by the university in much advance on its website. Evaluation of practical exam is conducted as per Delhi University Guidelines with both external and internal examiners. However, a continuous evaluation process is followed for practicals in CBCS pattern.

2.3.2 How does IQAC contribute to improve the teaching-learning process?

IQAC has been recently reconstituted in the college for evaluating the quality of teaching-learning process. However, the internal quality of teaching-learning process has already been monitored by Academic Supervisory Committee (ASC). The committee monitors the progress of academic and administrative plan. The ASC held interactive session with class representatives of all departments at the end of semester and feedback regarding college infrastructure, classroom, laboratory facilities, teaching, library facilities, extra-curricular activities, office support, security and discipline was collected in a proforma. These processes contribute to improve the overall quality of the college.

2.3.3 How learning is made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The college strives the holistic development of personality with a commitment to build a strong knowledge base. In addition to conventional classroom teaching through black board and power

point presentation, students are encouraged to prepare projects, assignments, and presentations. Industrial and field visits are also conducted to enhance interactive, collaborative and independent learning among the students. Teachers organize interactive sessions with students to encourage critical thinking and analysis.

The college provides all the infrastructural support for students and teachers to develop their skills. The support structures and system available for teachers include audio visual aids, tutorials, LCD projectors, an air-conditioned spacious and rich library, multi-media lab and well equipped science laboratories. The botany and zoology departments have museum containing a rich collection of specimens. College campus is Wi-Fi enabled, e-courses are available through Delhi University Library System (DULS) for independent learning. These facilities help in interactive, collaborative and independent learning.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

ZHDC believes in the policy of giving freedom to students to express and nurture their creative thinking under the tutelage of teachers. The faculty members encourage and guide the students to participate in various intra- and inter-college activities. Creativity is nurtured by organizing various competitions such as painting, debate, quiz, poster making, rangoli, creative writing, photography, theatre etc. Annual college magazines published by various departments promote the creative writing skills among students.

To enhance innovative thinking, students are encouraged to pursue summer training in different scientific laboratories and innovation project scheme of DU. Under the Science *Setu* program students from science stream are offered one week workshop at National Institute of Immunology (NII). Various departments of the college have been organizing seminars, workshop and conferences every year to promote the innovative thinking and scientific temper of students. These practices provide a platform for students to share their scientific thought and give an opportunity to interact with eminent personalities of respective fields.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning – resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

The college campus is Wi-Fi enabled. All faculty members and students have access to e-resources available on DU and UGC network in college. Substantial numbers of classrooms are equipped with LCD projectors. Studio lectures prepared by DU, e-lessons, e-labs, e-lectures developed by Institute of Lifelong Learning (ILLL) are also used by the teachers to improve the teaching methodology. Students are informed about the video lectures and e-content on various subjects available at CEC website under the NME-ICT project and about the NPTEL in the orientation program. Open-Source-Softwares are used by various departments as a part of curriculum. Films and documentaries related to texts are screened regularly by humanities departments. All science departments in college have well equipped and spacious laboratories.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.?)

Zakir Husain Delhi College encourages various activities in college to enhance innovative skills and knowledge. Different departments of the college regularly organize international/national conferences, seminar and workshop for students and faculty. In addition to this, departments as well as various societies of our college also conduct seminars and expert lectures, where the academicians/ industry experts are invited to share their experience and provide additional knowledge. Various departments periodically organize trips and industrial visits to bring students beyond their curriculum and give them the opportunity for meaningful educational experiences.

College further assures growth of its faculty and staff by encouraging them to update themselves about latest research and technological advances to meet the challenges of newly developed curriculum. To improve skills and knowledge, teachers attend orientation and refresher courses organized by the academic staff colleges of the UGC. To facilitate this, the college sanctions duty leave and study leave to them as per Delhi University norms.

2.3.7 Detail (process and the number of students/benefitted) on the academic, personal and psycho-social support and guidance service (professional counseling/mentoring/academic advise) provided to students?

Academic support:

Not only does the college take care of the academics but also aims at grooming and overall development of the students. Teachers in their individual capacity encourage and guide the students to overcome various challenges and help them to focus on their academics. The college offers fee concessions to needy meritorious students. Many of our teachers voluntarily contribute an amount from their salary to help the poor and needy students (ref. 5.1.3).

Personal and psycho-social support:

A counselling centre has been set up in college to provide service that would help the students in their personal, psycho-social and career development area. It has been organizing workshops on related issues annually. The faculty members of Psychology department are available to counsel the students. Counselling is provided to students to overcome various issues like low self-esteem and confidence, academic, behaviour issues, depressions, fear, career confusion etc. through various counselling techniques.

Guidance services:

The career counselling and placement cell of the college provides a direction and an exposure to the range of openings and job possibilities available to the students as they pass out of the college. The cell organizes different activities to realize students' aptitude, offers information about various entrance exams and scholarship available for higher studies in India and abroad and invites NGOs/Corporate sectors/institutions/training agencies etc. for placement of outgoing students. (ref. 5.1.9)

Girls's Association is very active at ZHDC. It periodically organizes self-defence workshops, talks on health and mental stress related issues to help the students to cope up with the pressure, and create awareness about gender issues.

To address the issues of students belonging to North East region, the college has a North East Student Cell. The cell helps to identify and solve their personal and career related problems.

The college introduced mentor scheme in which a group of students are assigned under a faculty member who remains their mentor for the entire period of their stay in college. Students are encouraged to discuss academic or personal issues with their respective mentors.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last five years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Innovative teaching methods adopted by the faculty during last four years	Impact of such innovative practices on student learning
Interactive learning	
Group Presentations	To inculcate the spirit of team work and greater participation
Group Discussions	To build leadership capabilities and, enable them to listen to the opinion of others.
Oral Presentations	To enhance their communication skills
Educational/field trips	To help them realize the interaction between their chosen fields of study to rest of the world
Individual presentations	
On individual and emerging topics	Boosts students' confidence level.
Activity based learning	
MCQ and Quiz	To foster the spirit of self-learning
Finding synonyms (in languages)	To improve vocabulary and explore language
Brain storming	
Problem solving	To develop critical and analytical abilities
Paper presentation	To develop planning, drafting, literature survey and writing skills.
Creative thinking	
Case studies (commerce department)	
Innovations	
Mainly in science laboratories	Blending class room teaching with practical knowledge. To develop scientific temper
Teaching Tools	
Power point presentation through LCD	Learning becomes more intriguing and interactive

Showing videos/ animations/documentaries	To Understand certain concepts through visual impact complementing to textual readings
Using molecular models and computer simulation (in science)	Better understanding of advance concepts
Online resources	Exposure to a plethora of knowledge and to take teaching and research beyond the classroom.

The Department of English has recently started an interactive portal www.zhdcenglishdepartment.blogspot.in with the intention to archive information pertaining to curriculum and pedagogy. This is a space with links to popular and critical articles, papers and book reviews.

Efforts made by the Institution:

In order to implement these innovative teaching approaches, college facilitates Wi-Fi enabled campus, multimedia library, classrooms having LCD projectors, etc. The college also organizes workshops and skill development programs for faculty members. Latest books and referral materials are annually procured by the college library.

All teaching methodologies and innovative practices not only help in making teaching more exciting but also enable students to think out of the box , to learn basic research ethics, lateral thinking, problem solving etc. Moreover, students are given opportunities to publish their work in reputed journal or to present it in conferences.

2.3.9 How are library resources used to augment the teaching-learning process?

The college library is fully air-conditioned with a total collection of around 1,00,000 books. Besides text books and the books related to the academic requirements, library also subscribes leading magazines, leisure books, competitive books and general awareness books. The book bank renders services to the students by providing them with the text books for whole semester. The library provides access to all reference collections including encyclopaedia, yearbooks, dictionaries, directories etc. Users have easy access to the facility of photocopying and print outs inside as well as outside within the college campus. Library is linked to InFLIBnet through which students and faculty can access the e-resources, journals and relevant study materials. (Details in section 4.2)

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If yes elaborate on the challenges encountered and the institutional approaches to overcome these?

Normally the curriculum is completed in the planned time frame. Following steps are taken for timely completion of curriculum:

- Loss of teaching hours, if any, is compensated by organizing extra-classes.
- In case faculty members wish to go for faculty development programme such as orientation and refresher courses, they are encouraged to do so by making alternate arrangements.

- When teachers go on long leave, new teachers are appointed on ad hoc/guest basis, as replacement, well in time.
- To balance academic and extracurricular activities, institute plans and organizes many activities on Saturdays to minimize the impact on teaching time.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

The quality of teaching has always been the prime motto of the college and to evaluate and monitor it the following approaches are undertaken.

- Teachers at their individual level informally take feedback from students throughout the semester.
- Academic supervisory committee monitors effective implementation of course, completion of syllabi and quality of teaching learning.
- Analysis of results is carried out at the end of each semester and presented during staff council meetings.
- Measures are taken for academic improvements and proper steps are taken, if needed.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

An intelligent and motivated faculty is an asset to the institution. ZHDC follows the guidelines set by the Delhi University in appointment of its faculty. The college strives to hire best talent keeping in mind the curriculum and the areas of specialization required by the various departments. The college also hires guest and ad hoc faculty in case there is an academic requirement so that the classes do not go unengaged. At times, even retired faculty members are invited to take classes if there are courses that require their expertise and experience.

As for appointment to permanent positions, college adheres to the guidelines set by UGC and Delhi University. Based on the sanctioned strength of each of our 19 departments, the college seeks the permission of the university before sending out the advertisement. The college also mentions the area of specialization that is required for the various positions. The candidates are selected through a duly constituted selection committee.

The following table includes the details about the present faculty in college including temporary teachers and those appointed on ad-hoc basis.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc. /D. Litt.							
Ph.D.	—	—	21	29	43	24	117
M.Phil	—	—	07	03	05	07	22

PG	—	—	02	00	04	05	11
Temporary Teachers/Ad-hoc Teachers							
Ph.D.					11	13	24
M.Phil.					06	05	11
PG					06	02	08
Part-time Teachers							
Ph.D.							
M.Phil.							
PG							

2.4.2 How does the institution cope with growing demand /scarcity of qualified senior faculty to teach new programmes /modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

The college has not introduced any of the above mentioned courses of study in the last three years. However, whenever the existing courses require any specific expertise then the faculty prepares itself by doing the hard work so that the students do not suffer.

2.4.3 Providing details on staff development programmes during the last four years, elaborate on the strategies adopted by the institution in enhancing the teacher quality.

ZHDC believes that teaching learning is continuous process and faculty needs to engage with current research and strive for academic excellence. The institution facilitates the teachers to take up further research by giving them study leave. The teachers are also given extraordinary leave to if they have to complete academic assignment. The college also grants duty leave to attend conference and seminars. The faculty is also encouraged to undertake orientation and refresher courses and staff development programmes to enhance teacher quality. Many faculty members are invited to deliver talks or as resource persons in various teachers’ training programmes. The list of faculty members those who have attended orientation programmes, refresher courses, or invited as resource persons and those who have presented papers in conferences is very large and has been compiled as Annexure 2.1.

2.4.4 What policies are in place to recharge teachers? (eg: providing research grants, study leave , support for research and academic publications, teaching experience in other national institutions and specialized programmes, industrial engagement etc.)

The college grants study leave, post-doctoral leave and duty leave to faculty members as per Delhi University leave rules. Many teachers have attended courses in different institutions of national and international repute.

2.4.5 Give the number of faculty who received awards/recognition at the state, national and international level for excellence in teaching during last four years. Enunciate how the institutional culture and environment contributed to such performance / achievement of the faculty.

Dr. Gurpeet Tuteja of department of Mathematics was awarded Excellence in Teaching Award by the University of Delhi in 2012. Many of our teachers have also been recognized for their academic and research achievement. The college encourages the faculty to adopt the latest teaching methods to showcase their excellence. The college endeavours to provide an environment conducive for research and other academic activities.

2.4.6 Has the institution introduced evaluation of teachers by the students and external peers? If yes, how is the evaluation used for improving the quality of teaching learning process?

ZHDC believes that an informal system of evaluation is necessary to keep checks and balances and helps in improving the teaching learning process. Evaluation is also a self-reflexive exercise which helps to improve quality of teaching. To that end, individual departments conduct review meetings with the students every semester. The students articulate their concerns varying from the medium of instruction to teaching methodology. The department meetings with students is an occasion for feedback not just regarding teaching learning but also planning activities that make the process more engaging by incorporating the students emerging interests. The principal also keeps the channel of communication open with the students and has meeting with the class representatives of the various departments and solicits their feedback.

As for the evaluation by the external peers, the faculty's interaction with their academic peers on various occasions- seminars, conferences, membership to various academic and professional bodies, committee meetings, publications in national and international peer reviewed journals- are significant markers of their academic achievements and teaching quality.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- Details regarding examination and evaluation are clearly mentioned at DU website as well as on college website. It is mandatory for every teacher of the college to participate in DU centralized evaluation process and hence they are well aware of the system.
- The evaluation methods are communicated to the fresher at the beginning of the academic session, during orientation program by the Principal and their respective teachers-in-charge.
- Before the commencement of the programme, students are informed about the evaluation methods.
- The College handbook given to each student details the rules and regulations of examinations, and the academic calendar.
- Syllabi available on the DU website contain the details of all the courses, hours, credits, components of semester examinations.
- Students are also told about the rules and regulations of examinations and course contents by the respective teachers.

- Internal assessment marks submitted by the teachers are analyzed by a moderation committee which is constituted by the college for every department. The moderation committee meets at the end of every semester. After due moderation, the internal assessment marks are uploaded on the college website.
- The internal assessment marks with attendance are available to the students on college website, which is accessible to all students.
- If a student finds any discrepancy in marks or attendance, he/she can approach the concerned teacher or teachers-in-charge.
- Date sheet for end semester and supplementary practical examinations are displayed on the department notice boards, well in advance.
- The students admitted under CBCS, are continuously assessed for their performance during the regular practical classes. They are updated about their performance by the concerned teachers and also motivated and inspired to improve their performance on regular basis.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- The college strictly follows all evaluation reforms introduced by the University. All college teachers participate in the central evaluation system of DU and follow a common minimum scheme of evaluation.
- At college level, the faculty members continuously evaluate students through class tests, assignments, group discussions and presentations.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- ZHDC follows the Delhi University Evaluation reforms and guidelines strictly and makes all possible efforts to ensure its implementation.
- Students can access college website for their internal assessment submitted by staff to ensure transparency and effective implementation of evaluation reforms. The college has an **Internal Assessment Committee** which ensures that evaluation process is fair and implemented on time.
- It is mandatory for every faculty member to participate in Centralized Evaluation System of the University. It is ensured that the Evaluation Schedule is sent through e-mail to all the teachers, which they are required to sign the hard copy kept in the college. This is done to ensure every teacher is aware of evaluation schedule in advance and make his/her contribution in effective implementation of evaluation schedule.
- In each semester, for theory papers, quiz, power point presentations and assignments are given for continuous assessment. Centralized end semester examinations are also there to evaluate students.
- Practicals are conducted by the respective departments with various components suitable to their subjects and continuously evaluated in CBCS system.
- The faculty members continuously review assignments which help students to enhance their knowledge.
- The faculty members of respective subjects attend the departmental meetings held at University. If required, College grants duty leave for such meetings.

- Internal and external examiners for practical examinations are appointed by the Principal of the college. The faculty members of the concerned departments also facilitate the process of appointment by offering their assistance.
- The Principal continuously interacts with staff members through Staff councils and Departmental meetings to discuss upon any matter regarding Internal assessment, evaluation process etc., concerned with departments.
- The faculty of the concerned department continuously monitors the performance of the students and provides academic guidance and psychological counselling. The process of remedial coaching and tutorial offers additional assistance to students.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples, which have positively impacted the system.

The Internal assessment scheme was introduced by the university to improve the learning skills of the students. Under this scheme, students are expected to appear in class tests and project/assignments for which they are awarded marks. These marks are added to the marks obtained in the semester end exam. This formative assessment has immensely helped students to prepare themselves for the semester end exams and improve their presentation and problem solving skills.

Formative Assessment:

Twenty five percent marks are allocated for Internal Assessment in each course. Out of this, five percent are for student attendance and the rest are for class test, presentations, quizzes, group discussions, projects etc.

Summative Assessment:

An end semester examination conducted by the university constitutes the summative assessment.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

- Moderation committee ensures transparency in the Internal Assessment scheme of the university, which is strictly followed by the college.
- Internal Assessment includes 10 marks for assignment, 10 marks for test and 5 marks for regular attendance. Internal Assessment marks are calculated strictly as per university norms.
- Class attendance is recorded by the teacher and submitted to the office on monthly basis.
- Every month, attendance of students is displayed on the college website for easy access to the students.
- Test papers and assignment evaluation is shown and discussed with the students to ensure a fair evaluation. Each student puts the signature on the marks given to him.
- Regular Quiz, projects, tutorials and presentations helped student to improve communication skills and build up their self-confidence.
- Continuous evaluation helps the students improving their knowledge and rectifies their weakness.

2.5.6 What is the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

- Obtaining minimum passing marks in semester end examinations is the only attribute specified by the university. Syllabi of every course are prescribed by Delhi University. Semester examinations are strictly based on the prescribed curriculum.
- For every course paper, some books are mentioned for better understanding of the subject. Students are motivated by concerned teacher to study more books and use the available e-resources to get into depth of that subject.
- All students who clear all their 24 papers spread over six semesters by securing 40% marks are declared passed by the university.
- Those students who could not clear some of the papers are allowed to reappear and clear the backlog. College/university has clearly specified that each student should get specified marks in internal assessment to be declared as passed. A regular minimum attendance of more than 70% is mandatory for all students to appear in the examination. Those who fail to attend required number of classes are debarred from taking the examination.
- Apart from these, co-curricular and extracurricular activities help student to improve their personality. Activities like debate, sports, drama etc. inculcate team spirit in them. Participation in NCC, NSS, Girls Association, departmental and college festivals, helps in an overall development of student's personality and also motivates them to become responsible member of the society.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

- There are three levels of grievance redressal available to the student with regard to Internal Assessment at the college level. First, at the teacher level second, at the level of the Department and finally the Moderation Committee for Internal assessment in the College.
- Concerned teacher is the first person whom student can approach for his grievance. Student can discuss his/her evaluated answer script with the teacher and can clarify his/her doubts and any discrepancy he/she finds.
- Any student can also approach concerned department. A Departmental moderation committee is constituted in each department for the redressal of their complaints.
- Students can check their internal assessment marks on website and a consolidated result sheet is signed by the students, ensuring no grievance from his/her side.
- At college level, if a student is not satisfied regarding his grievance, he can approach the Principal.
- At the University level, all answer scripts of semester end exams are evaluated by examiner at central evaluation centre.
- University of Delhi also provide photocopy of evaluated answer sheets on demand.
- Students can also apply for re-evaluation of sheets if they are not satisfied by the original evaluation.
- Student can approach directly the Dean, Students Welfare appointed by the university, for redressal of grievances.

2.6 Student Performance and Learning Outcomes

The pedagogical imperative in ZHDC has a holistic approach where the aim is to integrate class room learning with the outside world. Rooted in history and tradition the academic ethos of ZHDC is tempered with a Ganga–Jamuni tehjeeb where a significant learning goal is to accommodate diversity with harmony and equality.

2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?

The learning outcomes are as follows:

- To inculcate a zest for learning and strive for academic excellence
- To encourage critical thinking and scientific temper
- To sensitize the students towards social and political reality
- To inculcate a sense of social responsibility and communitarian values

The learning outcomes are articulated in various forums. The Orientation programme conducted at the time of admission is one significant occasion where the students and the parents are made acquainted of the learning outcomes and the vision of the college. The college website and prospectus make the students aware of these goals. The staff council meetings and department meetings at the beginning and end of the term also outline leaning objectives and goals.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the student’s results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The progress and performance of the students is monitored by the process which can summarized in following steps

- Weekly tutorial meetings are held, which allow teachers to identify the strengths and weaknesses of individual students and address these, to facilitate learning outcomes.
- Evaluation of the assignments is done by the faculty and the criteria are communicated to the students. Results of the class tests are communicated to the students and the evaluated answer scripts are also shown to them.
- The Internal Assessment marks are displayed on the college notice board and website. They are given a chance to represent for rectification of discrepancy, if any.
- Finally the Internal Assessment marks are shown to the students individually and their signatures are obtained on the result sheet. The results are then sent to the University. Each department analyzes the Internal Assessment marks of students and takes necessary actions on its improvement. End semester examination results are also analyzed at the college and departmental level and on the basis of that policy of teaching can be reviewed/ changed for reading material.

Results of the last four years for the students of different courses are listed below

YEAR	2012		2013		2014		2015	
COURSE	Pass %age	Completion Rate	Pass %age	Completion Rate	Pass %age	Completion Rate	Pass %age	Completion Rate
B.A. (P)	94.38%	55.62%	100.00%	59.90%	100.00%	58.33%	100.00%	48.87%
B.Com.(P)	100.00%	65.91%	100.00%	79.31%	100.00%	76.00%	100.00%	56.76%
B.Com (H)	98.73%	97.47%	100.00%	100.00%	100.00%	66.67%	100.00%	58.90%
B.A (H)								
Arabic	72.73%	54.55%	100.00%	100.00%	100.00%	40.00%	100.00%	60.87%
Bengali	100.00%	100.00%	NA	NA	100.00%	50.00%	100.00%	50.00%
Economics	95.24%	80.95%	100.00%	100.00%	100.00%	59.09%	100.00%	44.44%
English	90.48%	80.95%	100.00%	64.71%	100.00%	80.00%	100.00%	51.43%
Hindi	100.00%	93.33%	100.00%	86.96%	100.00%	71.43%	100.00%	54.00%
History	100.00%	95.24%	100.00%	100.00%	100.00%	81.48%	100.00%	43.59%
Persian	100.00%	100.00%	71.43%	71.43%	100.00%	0.00%	100.00%	57.14%
Philosophy	100.00%	87.50%	100.00%	75.00%	94.12%	52.94%	100.00%	38.89%
Pol. Sc.	100.00%	95.59%	100.00%	90.53%	100.00%	72.63%	100.00%	67.35%
Psy	100.00%	86.36%	93.75%	75.00%	100.00%	62.07%	100.00%	72.97%
Skt	100.00%	100.00%	100.00%	57.14%	100.00%	30.00%	100.00%	31.25%
Urdu	100.00%	100.00%	100.00%	86.67%	100.00%	12.50%	100.00%	75.56%
B.Sc. (H)								
Botany	100.00%	64.71%	100.00%	52.63%	100.00%	59.09%	100.00%	82.35%
Chemistry	100.00%	94.59%	100.00%	43.28%	98.70%	50.65%	100.00%	65.17%
Electronics	100.00%	100.00%	100.00%	37.14%	100.00%	41.18%	100.00%	40.63%
Maths	100.00%	100.00%	100.00%	100.00%	100.00%	70.49%	100.00%	49.37%
Zoology	100.00%	83.33%	100.00%	82.61%	100.00%	70.83%	100.00%	59.26%
B. Sc.(Prog.)								
Physical Science	100.00%	57.89%	100.00%	37.04%	100.00%	57.89%	100.00%	31.43%
Life Science	100.00%	55.17%	96.30%	33.33%	100.00%	38.46%	100.00%	63.24%

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Teaching:

Teaching begins on the very first day of each semester as per the university academic calendar, according to the schedule prepared meticulously by the Time-table Committee of the college.

College also provides the library cards to the students the very first day of each semester. Teaching continues till the date of dispersal of classes as notified by the University.

Learning:

Learning is facilitated and regulated in various ways. It is impressed upon the student that regularity in class is imperative for systematic learning and meeting the requirements of the academic programme. During class and tutorials, students learn to overcome their diffidence as they are encouraged to ask questions and engage in discussions regarding the topic being taught or presented. During presentations, their speaking and communicative skills are honed, and their self-confidence is enhanced. While writing assignments, making presentations and taking class-tests, they develop their writing skills in terms of language, expression and organization of ideas and also learn time-management. While undertaking class level and innovative projects, they learn the importance of team-work, co-operation and inter-dependence. Students also attend guest lectures, and participate in departmental field trips and excursions which give them good exposure to a diversity of ideas, places, events and people.

Assessment:

The Assessment is structured as per DU norms, with 25% weightage given to internal Assessment and & 75% to the end-semester examination. The students have to fulfil the criterion of requisite attendance as well as project/presentation and class test. After completing each unit of the syllabus, the teacher gives a test and an exhaustive assignment to the students. The final marks of the Internal Assessment are calculated, communicated to individual students and their signatures taken. The results are then moderated by the Moderation committee of the department, notified on the college website, and students' grievances in this regard addressed, before they are forwarded to the university.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship innovation and research aptitude developed among students etc.) of the courses offered?

ZHDC takes many initiatives to enhance the social and economic relevance of the courses. The college has a Career Counselling and Placement Cell, which has provided job opportunities to students. College also encourages students to go in for summer internships to gain Industrial exposure, and develop entrepreneurial skills and research aptitude. Students are also motivated to attend summer internships available in Science Laboratories of national repute.

Film Shows and Lectures: Film shows related to various issues of social relevance are screened periodically to sensitize staff and students. Lectures by prominent speakers that motivate students and arouse interest in specific topics are regularly arranged.

Innovative Thinking through DU Undergraduate Innovation Projects: Interdepartmental innovation projects helmed by teachers from different departments are a means of bringing students from different disciplines together in a cross-discipline dialogue to produce research.

Skill based Add on Courses: The College is also highly concerned with the cumulative impact of learning towards the students' employability in areas directly related to the course readings. We have been keenly aware that a graduate degree is for many students a direct means to gain

employment at the end of the term of their study. Various Application and Add-On courses have been introduced keeping in mind students.

Career Counselling and Placement Cell: Perhaps the most important role in creating an interface between institutional requirements and those that are led by the market industry has been done by the college's Placement Cell. Over the past several years, ZHDC has managed to invite loyal recruiters from major companies such as Deloitte, Ernst & Young, KPMG, PWC, Google, Axis Consultancy, Verity Knowledge Solutions, Smart Cube, McKinsey, Airtel Group, Oberoi Group, Takshashila, S&P Capital IQ, Grand Thorton, Teach for India, R&F.

Throughout the academic year, various seminars related to resume writing skills, communication skills and employability checks have been organized by the Placement Cell especially for the final year and students to help them prepare themselves better and be in sync with the recruiters' demand.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

Academics results are important indicator of student performance and learning outcomes. The college compiles the result of all the courses being offered and analyses them every year. The results are presented by concerned teachers-in-charge in staff council meeting. Various measures are taken from time to time in order to overcome the barriers of learning. For example, taking remedial classes in English for students who are weak in English, providing counselling to students to address their specific needs, providing freship and financial aid to needy and minorities students.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

Firstly, university results are analyzed. However, marks obtained by the students only partially reflect the achievement of learning outcomes. Learning outcomes are decided by the understanding of the subject and its application in targeted fields. The college does not as yet have an explicit system of monitoring and ensuring institution-wide learning outcomes. However, the trends in end semester examination reflect how much a student has gained in the subject. It plays a proactive role in enhancing the quality of the academic and co-curricular endeavours of the college. Individual departments and teachers make constant efforts to monitor and ensure the achievement of learning outcomes.

Feedback and suggestions from teachers as well as students also helps in improving the quality of education which ensures the achievement of learning outcomes. Regular meetings at the Departmental level and staff council are held that promote discussions and suggestions to monitor and ensure the achievements of learning outcomes.

2.6.7 Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes', provide details on the process and cite a few examples.

Yes, assessment/evaluation outcomes are seen as significant indicators of student performance, achievement of learning objectives and planning in the college. The college assesses the performance by:

- Rewarding meritorious students with various Prizes/awards/medals/scholarships during the Annual Day function. Some awards are also given at departmental level.
- By introducing the Feed Back Form.
- Meetings with the Principal
- Some departments also encourage and promote the participation of high performing students in seminars, debates and other academic activity within and outside college.
- Individual teachers encourage high performing students by giving them responsibilities in class-based activities and motivating them to excel further.
- They are also selected as office-bearers in the respective departmental associations.
- Weaker students are also encouraged to assist by engaging them in group study, and helping them in the group presentations in class.
- Few examples based on such feedback/ assessment:

The College has purchased some the books in Arts and Social Science in Hindi medium also, to cater the need of some Delhi and outstation students, who are not so proficient good in English, but staying in ZHDC they grasp the language gradually.

Any Other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

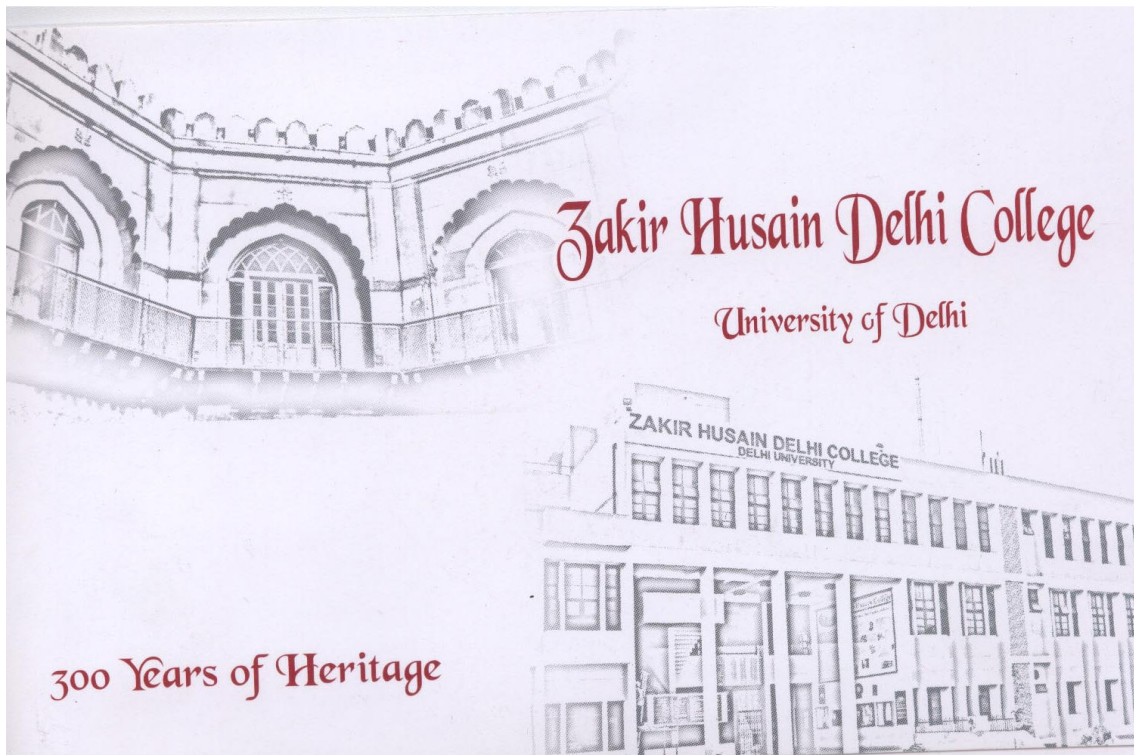
ZHDC is committed to academic excellence but it also promotes co-curricular and extracurricular with great enthusiasm. The NCC unit has won several laurels for the college. Our dedicated NSS unit is committed to social service. The Arts and Culture Society has contributed significantly to the cultural life of the institution. Active participation of students in various clubs and societies enriches the academic life of the college and builds a cohesive community of teachers and students.

ZHDC is committed to protection of environment and has taken several initiatives to create an environment friendly campus. Our Green Campus is pride of our institution and the teaching, non- teaching staff and students work in close collaboration to protect greenery and the rich flora and fauna. The herbal garden in our campus is an asset to the institution where one can find various rare medicinal herbs. The environmental vision is to combine the ancient knowledge of *Ayurveda* and *Vanaspati* with modern scientific temper. The larger goal of teaching and learning is also to inculcate a concern for environment and sensitize the students towards its protection.

CRITERIA- WISE INPUTS

CRITERION-III

Research, Consultancy and Extension



3.1 Promotion of Research

Since the glorious days of *Delhi Renaissance* (outlined glowingly in historical writings of scholars like Percival Spear, William Dalrymple and Margrit Perneau), Zakir Husain Delhi College and its parent institution—Delhi College—have been a unique hub of academic excellence and a synthesis of western and oriental research in the heart of north India. The intellectual contributions of some of our first faculty members, in mid-nineteenth century (like Master Ram Chandra in Mathematics, Nazir Ahmed and Zakaullah in Urdu letters) are proud reminders of the intellectual tradition of the institution's glorious history. Ramchandra edited two of the journals published by Delhi College, *Fawaid-un Nazirin* (For the Benefit of the Readers), and *Muhib-ul Hind* (The Patriot of India) in 1840s and 1850s, while Nazir contributed to the evolution of the early Urdu novel. Among Nazir's great contributions was the composition of a popular Urdu novel, *Mirat-ul Uroos* (The Bride's Mirror) in 1869. Writings and publications of these early forbearers have also been well preserved in our college library.

Continuing these pioneering efforts of modern South Asian research, current faculty members at the college still conduct as well as guide research in its nineteen different departments. Along with our vibrant student community, the academic staff of the institute has also come up with several publications and has been frequently cited and referred to by other researchers too.

3.1.1 Does the institution have recognized research centre/s of the affiliating University or any other agency/ organization?

Though our institution has no research centre recognized for advanced research by outside agencies, we do have research labs recognized by the University of Delhi in the Department of Chemistry and the Department of Electronics. Faculty members have not only successfully guided many PhDs but also published a large number of books and quality papers in reputed journals. It is particularly notable that a large number of faculty members in the college are recognized research supervisors and co-supervisors of different universities (see **Table 3.1**).

3.1.2 Does the Institution have a research committee to monitor and address issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, a five member Research and Academic Development Committee has been constituted by the college. It includes the Principal as chairperson, the college Bursar, the Administrative Officer (as invited member) and two other faculty members. This committee has been constituted, keeping in view changing rules and requirements for research stipulated by the funding agencies like the UGC, Delhi University and ICSSR etc.

The committee has been guiding faculty members, not only in taking up fresh research projects but also in overseeing their reports and helping with expenditure statements etc. The committee also helps in augmenting research facilities in the college by facilitating transfer of books and equipment purchased by scholars from grants routed through the college wherever suitable.

A meeting of the committee was held on 5 March 2015 in which the implications on application for funding of the changes made in research rules and regulations of UGC and Delhi University were discussed. It was decided to convey these changes to the Principal and the faculty members. In its meeting of 21 April 2015, the committee considered Dr Devesh

Vijay's research proposal "Tracking Welfare and People's Experience". The committee suggested to the Principal to forward it to the UGC.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

- **Autonomy to the principal investigator**
- **Timely availability or release of resources**
- **Adequate infrastructure and human resources time-off, reduced teaching load, special leave etc. To teachers**
- **Support in terms of technology and information needs**
- **Facilitate timely auditing and submission of utilization certificate to the funding authorities**
- **Any other**

To facilitate smooth progress and implementation of research schemes and projects, a bank account is opened in the name of the Project as and when grants are received from a funding institution and the funds are immediately transferred to the same. The Principal Investigator is offered complete autonomy vis.-a-vis. expenditure, procurement of equipment, stationery, travel etc as per UGC rules. Infrastructure support is also extended as per available facilities.

The office staff of college also provides administrative and technical support for all projects routed through the institute. Periodic progress reports are forwarded by the Principal to funding agencies as per requirement. On completion of the Project, an audit is carried out by a qualified Chartered Accountant and utilization certificates are forwarded to funding agencies.

To promote and support research along with teaching, reduction in teaching workload of principal investigators is allowed as per new UGC guidelines. The computer and Wi-Fi facilities in the campus, free access to online and offline journals and a library stocked with books are pivotal for all research activities carried out by college faculty and students. Library is accessible from 8.30 am to 8.30 pm, six days a week.

By showing their identity cards, the teachers and postgraduate students of ZHDC can access other libraries and avail research facilities anywhere in the country (including those at Delhi University and Nehru Memorial Museum and Library, Jawaharlal Nehru University etc).

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

Research is the bedrock of teaching and learning among the faculty members and students at Zakir Husain Delhi College. Well equipped research labs and frequent outings for lively and hands on field experience for students of science, humanities and social science stream are a testimony to this culture and attitude at the institute.

Research projects where student involvement is maximum are especially encouraged by the college. In the last four years, for example, seven innovation projects involving seventy students were completed at the institute and two are in the advance stages of completion. Methodological rigour and experimentation is at the heart of sound research.

Our teachers also encourage students to include innovative research and field experience in writing assignments, in the project mode. The history department, for example, has been

guiding students in oral history research in their own communities as part of their annual assignment work. Similarly, the Botany department has developed a rich variety of plants and tissue cultures in the college and conducts regular tours to discover bio-diversity with students in different types of eco-systems, regularly. Similarly, the political science department and others also have been taking students on study tours for getting a taste of field data and primary research within their graduation years and so on. Department of Zoology regularly organize educational trips for its students which is a step towards education beyond classroom. The idea behind such kind of excursions is to sensitize students about the environment and make them aware about the importance of biodiversity in nature. The students are always accompanied by some faculty members and laboratory staff. Such study trips are also organized by various departments of the college with students.

The college also encourages students to attend technical competitions at Inter College and Inter-University levels and to go for Summer Schools to reputed scientific institutes. The college specially brings out *nine* magazines annually to publish creative and scientific writings of students.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/ collaborative research activity, etc.

The college has a large number of teachers engaged in research supervision across departments. The department wise list is as follows:-

Table 3.1: Faculty members involved in Research as Ph.D. Supervisor/Co-Supervisor

S. No.	Department	Faculty	No. of Ph.D. Students	
			awarded	registered
1.	Bengali	Dr. Sharmishtha Sen	1	5
2.	Chemistry	Dr. Sulekh Chandra	40	6
3.	Commerce	Dr. R. Prabhakar Rao	1	-
4.	Electronics	Dr. N.K. Jain	2	-
5.		Dr. P.K. Shishodia	2	2
6.	Hindi	Dr. Pawan Kumar	1	-
7.		Dr. Harender Singh	2	1
8.	History	Dr. Pradeep Kumar	-	4
9.	Mathematics	Dr. Md. Arif	-	1
		Dr. Dhiraj Kumar Singh	-	1
10.	Physics	Dr. Swati Arora	1	2
11.	Political Science	Dr. Om Parkash	-	1
12.	Psychology	Dr. Karuna Mehta	1	-

13.		Dr. Khurseed Alam	3	-
14.		Dr. Gulgoona Jamal	1	-
15.		Dr. Shyodan Singh	3	-
16.	Sanskrit	Dr. Pavan Kumari	-	2
17.		Dr. Saraswati	-	2
18.		Dr. Deepak Kalia	-	5
14.	Urdu	Dr. Mumtaz Fakhra	-	4
15.		Dr. Khalid Alvi	4	-
16.		Dr. Jafar Ahrari	-	3
17.		Dr. Shah Alam	-	3

A large number of our teachers have also been awarded major and minor research grants from top funding agencies including the UGC, ICSSR, Nehru Memorial etc. A list of such projects launched in last four years is as follows:-

Table 3.2: Details of major projects awarded to faculty members during last four years

Year	Title of the Project	Funding Agency	Grant Received (in Rs.)
2010-12	Synthesis and Characterization of Transition Metal Complexes with Schiff Base Ligands as Biologically Relevant Agents (PI: Dr. Sulekh Chandra, Chemistry)	DRDO	18,00,000
2010-11	Democratisation in Myanmar: Progress and Prospects (PI: Dr. Sonu Trivedi, Political Science)	ICSSR	3,59,050
2010-12	From Colonial Rule to Panchayati Raj: A Study of Changing Social Relations in a North Indian Village Circa 1900-2000 (PI: Dr. Devesh Vijay, History)	UGC	3,72,000
2012-14	Novel Transition Metal Complexes Encapsulated in Various Mesoporous Silicas: Catalytic Activities Studies in Selective Organic Transformations (PI: Dr. Sulekh Chandra, Chemistry)	DRDO	30,00,000
2012-14	Global Islamic Banking: Perspectives and Prospects (PI: Dr. M.A. Beg, Commerce)	UGC	8,90,000

2012-14	Sol-gel Synthesis of Ferroelectric Perovskites: Dielectric, Spectroscopic Characterization and Chemical Kinetics (PI: Dr. M. Fahim, Physics)	UGC	7,76,000
2012-14	Adivasis and Muslims: A Comparative Study of their Political Socio-economic Practices After the Creation of Jharkhand (PI: Dr. Tarique Anwar, History)	UGC	3,15,000
2012-14	The US' Af-Pak Strategy and Prospects for Peace and Stability in Afghanistan (PI: Dr. Uma Shankar, Political Science)	UGC	4,38,800
2012-14	The Af-Pak Strategy in International Responses (PI: Dr. Uma Shankar, Political Science)	ICSSR	7,76,475
2012-14	Reconciliation Process in Myanmar (PI: Dr. Sonu Trivedi, Political Science)	UGC	2,52,000
2012-14	Dynamics of India-China Engagement in Myanmar (PI: Dr. Sonu Trivedi, Political Science)	ICSSR	8,46,025
2012-14	Graceful Ageing: A Psycho-social Study (PI: Dr. Shyodan Singh, Psychology)	ICSSR	4,42,000
2012-15	Synthesis and Characterization of Macro-cyclic Ligands and their Transition Metal Complexes (PI: Dr. Sulekh Chandra, Chemistry)	UGC	6,93,800
2012-15	Synthesis and Characterization of ZnO Based Dilute Magnetic Semiconductor (PI: Dr. P.K. Shishodia, Electronics and Dr. Gayatri Shishodia, Physics)	UGC	10,75,800
2013-14	A Multi-Method Study of Anti-Poverty Programs in North Indian Communities (PI: Dr. Devesh Vijay, History)	ICSSR	3,00,000
2013-16	Characterization of Ethylene induced through <i>Fusarium</i> sp. (<i>mangiferae</i>) in Mango Malformation (PI: Dr. Mohammad Wahid Ansari, Botany)	DST	19,39,000

2014-18	Synthesis, Characterization and Theoretical Study of Some Potentially Biologically Active Schiff Base Ligands and their Metal Complexes (PI: Dr. Sulekh Chandra, Chemistry)	UGC	4,56,000
2015-16	Higher Education for Civil Learning and Democratic Engagement (PIs: CV Babu (Philosophy), Dr. Satendra Kumar Thakur (Psychology), M. Eshan (Philosophy))	ICSSR/ CPRHE/ NUEPA	2,50,000
2015-17	The Local State and welfare Programmes in Two Communities (PI: Dr. Devesh Vijay, History)	UGC	9,00,000
2015-17	Re-working the 'Knowledge Structures' in International Relations: Some Indian Contributions (PI: Dr. Priya Naik, Political Science)	ICSSR	40,00,000
2016	Governance, Identity and Sovereignty in Princely India (1921-1947) [Research to be conducted in the UK] (PI: Dr. Priya Naik, Political Science)	Charles Wallace Trust	1400 British Pounds
2015-18	Metal Based Biologically Active Compounds Derived from Novel Schiff's based Ligands: Synthesis, Characterization, DFT Studies, Antimicrobial/ Anticancer Cytotoxicity Evaluation (PI: Dr. Sulekh Chandra and Co-PI: Dr. Usha Bansal, Chemistry)	DRDO	49,93,000

Table 3.3: Interdisciplinary Innovation Projects funded by University of Delhi

Investigators	Year	Title	Amounts
Dr. Swati Arora and Dr. M. Fahim, Dept. of Physics; Dr. Samta Goyal, Dept. of Chemistry; Dr. Anuradha Marwah, Dept. of English-disciplinary projects	2012-13	Feasibility Studies to Improve Quality of Living and Development of low-cost Efficient Techniques to Purify Potable Water in Villages: Case Study with Reference to Villages in Ajmer	10,00,000
Dr. Shyodan Singh and Dr. D. Chao, Dept. of Psychology; Mr. Satish Kumar Rajouria, Dept. of Physics.	2013-15	Empowering the Elderly from Weaker Sections	3,00,000
Dr. Ratnum Wattal and Dr. Zahid Siddique, Dept. of Botany; Dr. B. Hareramadas, Dept. of Zoology3.	2013-15	Assessment of Cytotoxicity and Genotoxicity of Yamuna Water in Delhi Region by Plant Based Bioassay	5,00,000

Dr. M. Fahim, Dr. Swati Arora, Dept. of Physics; Dr. Ilmas Naqvi, Dept. of Botany; Ravi Kant, Dept. of Chemistry 4.	2013-15	Development of Innovative Eco-Friendly Biodegradable Polymer Composites (Substitute For Plastics and Filters)	3,50,000
Dr. Babeeta C. Kaula, Dept. of Botany; Sangeeta Pandita, Sarita Passey, Dept. of Chemistry.	2013-15	Use of Innovative Raw Materials for Handmade Paper Making	4,50,000
Dr. Sulekh Chandra, Dept. of Chemistry; Dr. Ragesh, PR, Dr. Sunil Kumar and Dr. Ankur Maheshwari, Dept. of Zoology	2013-15	Effect of Heavy Metal and Trace Elements in Water on Human Health Status in Delhi-NCR Region	5,50,000
Dr. Satyendra Thakur, Dept. of Psychology; Dr. Ram Kishore Maholiya, Dept. of Sanskrit; Dr. Pradeep Kumar, Dept. of Mathematics 7.	2013-15	Psychology of Dharma and Happiness as reflected in Bhagavad Gita	3,50,000
Dr. Sulekh Chandra, Dept. of Chemistry; Dr. P.K. Shishodia, Dept. of Electronics; Dr. Ragesh P.R., Dr. Satish Ganta and Dr. Ankur Maheshwari, Dept. of Zoology 8.	2015-16	Development of User-Friendly Low Cost Portable Biosensor for the Detection of Pesticides	7,00,000
Dr. Ratnum Wattal and Dr. Ilmas Naqvi, Dept. of Botany; Dr. Sunil Kumar, Dr. B. Hareramadas, Dept. of Zoology; Pratima Negi, Dept. of Mathematics 9.	2015-16	Designing a Mathematical Model to Solve the Upcoming Water Crisis in the Noida/Greater Noida Region	3,50,000
Dr. Shyodan Singh and Dept. of Psychology; Satish Kumar Rajouria, Dept. of Physics	2015-16	The Impact of Yoga and Physical Exercise on Well-being of Elderly	3,50,000

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/ organized by the institution with focus on capacity building in terms of research and imbuing research culture among the staff and students.

The details of the National and International Conferences/ Symposia organized by the College are given below

Table 3.4: International Conferences/ Symposia Organized

S. No	Title of Conference/ Symposium	Funding Agency	Year
1.	International Workshop on Techniques in Psychotherapies: A Multi-dimensional Approach organized by Department of Psychology	UGC	2006
2.	International Seminar on Cultural Diversity in South Asia: Literary Confluence and Divergence organized by Department of English,	Asia Project IIC, UGC, ICCR, CIL and Sahitya Akademi	27-28 February, 2007
3.	International Conference on Democratisation in Myanmar: Implications for the World Today organized by Department of Political Science	UGC, ICSSR and University of Delhi	3-4 March, 2011
4.	Three Day International Seminar on Exploring Delhi's Social and Cultural Traditions through Persian Literature (Mughal Period) organized by Department of Persian	NCPUL, ICHR, Iran Culture House (New Delhi) and Embassy Islamic Republic of Afghanistan	7-9 November, 2012
5.	International Conference on Political Transition in India's Neighbourhood: Afghanistan and Myanmar organized by Department of Political Science	American Centre	11 April, 2014
6.	International Conference on Gandhi and the Contemporary World, organized by Gandhi Study Circle, Zakir Husain Delhi College	UGC, ICSSR, ICPR, ICCR and University of Delhi	24-25 February, 2016

Table 3.5: National Conferences/ Symposia Organized

S. No	Title of Conference/ Symposium	Funding Agency	Year
1.	Workshop on Water Pollution organized by Department of Botany	Zakir Husain Delhi College	1992
2.	Workshop on Biotechnology organized by Department of Botany	Zakir Husain Delhi College	1993
3.	Frontiers of Biotechnology organized by Dr. Reeta Khosla, Department of Botany	Department of Biotechnology	1997
4.	Workshop on Biodiversity, Bioprospecting and Reproductive Biology in Relation to Biotechnology organized by Department of Botany	Department of Biotechnology	1-2 February, 2000

5.	Seminar on Re-Viewing the Epic organized by Department of English	Zakir Husain Delhi College	6-7 February, 2001
6.	National Seminar on holistic Paradigms in Psychology: Problems and Prospects organized by Department of Psychology	UGC and ICSSR	10-11 March, 2006
7.	National Seminar on Identity and Wellbeing organized by Department of Psychology	ICSSR and UGC	7-8 March, 2007
8.	National Seminar on Re-imagining India: Exclusion and Inclusion organized by Department of Political Science	UGC	20-21 February, 2008
9.	Shahjahanabad and Delhi College during the Rebellion of 1857 organized by Department of History	ICHR	3-4 March, 2009
10.	National Symposium on Revisiting Darwin: Natural Theory vs Social Practices organized by Department of Botany	Department of Biotechnology	15 December, 2009
11.	National Conference on Recent Advances in Polymer Nanocomposites organized by Department of Physics	CSIR, DRDO and UGC	14-15 January, 2011
12.	National Seminar on Maulvi Zakauallah: Hayat-O-Khidmat organized by Department of Urdu	NCPUL	21-22 April, 2011
13.	National Seminar on Contemporary Trends in World Literature organized by Department of English	SIFE, USEFI and ZHDC	1 November, 2011
14.	Workshop on Introduction to Bioinformatics organized by Department of Zoology	Department of Biotechnology	16-20 January, 2012
15.	National Workshop on Fibre Optics, Photonics and Nanoelectronics organized by Department of Physics	DRDO, DST and UGC	6-7, February 2012
16.	National Seminar on Safe Potable Water in Villages organized by Department of Physics	CSIR, DRDO and UGC	10-11 January, 2013
17.	National Seminar on Mainstreaming Minorities: Human Rights Discourse organized by Department of Political Science	UGC	12-13 February, 2013
18.	National Seminar on Deputy Nazeer Ahmad: Hayat-O-Khidmat organized by Department of Urdu	NCPUL and ICHR	16-17, April 2013
19.	National Seminar Challenges of Development: Re-Visit to Inclusiveness organized by Department of Commerce	ICSSR	17-18 January, 2014

20.	National Seminar on Mohammad Husain Azad: Hayat-O-Khidmat organized by Department of Urdu	NCPUL	17 April, 2014
21.	First National Urdu Science Congress, organized by Zakir Husain Delhi College	National Council for the Promotion of Urdu Language	20-22 March, 2015
22.	National Social Science Researchers' Colloquium 2015 on Researching the Contemporary India organized by Department of Political Science	Developing Countries Research Centre (DCRC)	16-17 April, 2015
23.	National Symposium on Environmental Contamination and Public Health organized by Department of Zoology	UGC and Indian Council of Medical Research	24 August, 2015
24.	National Seminar on Ways of Seeing: Critical Questions on Indian Political Thought organized by Department of Political Science	UGC	8 March, 2016
25.	National Symposium on Biotechnology in Crop Improvement: Prospects and Challenges organized by Department of Botany	DBT, INSA and UGC	April 01, 2016
26.	National Students Seminar on The English Sonnet: Evolutions and Traditions organized by Department of English	Zakir Husain Delhi College	29 February, 2016
27.	Two Day National Seminar on Farsi and Urdu: Lisani and Adabi Rawayat, organized by Department of Persian	NCPUL, Iran Culture House (New Delhi)	21-22 April, 2016

3.1.7 Provide details of prioritised research areas and the expertise available with the institution.

The faculty members of the college undertake supervision of Ph.Ds in their area of expertise. Some distinguished faculty members have been working on a variety of research projects.

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

National and international Conferences, Colloquia, Symposia & Workshops are organized regularly by faculty members and different departments where experts from various walks of life, from within and outside the country, are invited to deliver talks and hold seminars. The College encourages such activities with required funding, while larger events such as seminars and workshops are often organized in association with UGC, ICHR, DRDO, CSIR, UGC, ICSSR, INSA etc.

In the last four years, speakers and panellists (see 3.7.4) spoke at functions organized by different departments of the college. (For details see events listed in different department

reports). Students are especially encouraged to not only attend but also participate and discuss issues in all such events with invited speakers.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

The provision for Sabbatical leave for College teachers has been brought in the Leave Rules of Delhi University in 2013. None of the faculty members of ZHDC have availed of this provision so far. However, the teachers have made use of the option of study leave to carry out research and academic accomplishments.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

The findings of Dr Prabhakar Rao's projects on the environmental issues of ecological balance and the related theme of the disastrous consequences of the pursuit of mindless construction activities such as dam building have been imparted to students. The demonstration of the college's effort in sensitising students to the importance of natural preservation can be seen in the cultivation of saplings within the College premises and their dissemination in neighbouring areas.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

There is no provision/ budget for funding research at the College level directly. However, as mentioned before, a large number of our faculty members have mobilised resources from funding agencies like UGC, ICSSR, CSIR, DST etc in order to carry on research and college has accorded full administrative support in this process.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

There is no provision for seed money for the faculty members to start research projects. Nonetheless, the devotion of the faculty members towards research is very much evident from the number of research projects and research publications brought out by ardent researchers of this college.

3.2.3 What are the financial provisions made available to support student research projects by students?

Zakir Husain Delhi College values student involvement in research activity immensely. Faculty members conducting research projects are encouraged to involve present and ex-students of the college in their field and lab work. Besides this, the maximum use is being made of the innovation projects scheme launched by the University of Delhi recently which funds student research directly. The scheme supports ten students per project with a stipend of Rs. 1000 per month for one year.

INSPIRE Scholarship funded by DST (Ministry of Science and Technology, Govt. of India) has been awarded to five students of Department of Mathematics and two students of Department of Chemistry.

3.2.4 How do various departments/ units/ staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavours and challenges faced in organizing interdisciplinary research.

Interdisciplinary research is the need of the hour as maximum new knowledge is now emerging on the boundaries of old disciplines, which necessitates borrowings from other disciplines in methods as well as theories and concepts. In this light, most teachers of the college are pursuing research which borrows from methods and insights of disciplines. The Social Sciences and Humanities often cross disciplinary boundaries in teaching and research.

College teachers have undertaken many innovation projects in the college to pursue interdisciplinary research. For the list of inter-disciplinary projects, see **Table 3.3**.

Gyanodaya V: Ten students of our College, four from B.Sc. (Prog.) Life Sciences, three from B.Sc. (Hons.) Mathematics, and one each from B.Sc. (Prog.) Physical Sciences, B.A. (Hons.) Political Science, and B.Sc. (Hons.) Psychology visited Manipur under the Gyanodaya V “Glory of the North East” project of University of Delhi, December 18-29, 2014. They undertook a survey based research project, which focused on the fresh water fish *Phabau Nga*, an important ingredient of Manipuri Cuisines. The Project was a success, as students were able to publish their findings in the Delhi University Journal of Undergraduate Research. The project provided students exposure to the tools of interdisciplinary approach at an early age.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The students and faculty of science departments use advanced equipments to carry out research. The college pays special attention to constant maintenance of all equipments in its science labs. The availability of qualified and trained support staff in Zakir Husain Delhi College facilitates students and teachers to make optimal use of equipments. All project investigators maintain record of equipment purchased from their research grants and hand over the same to the institute at the time of audit for collective use of the same in future. All equipments are purchased as per university guidelines. Stock registers are maintained for equipment in all departments. The availability of WI-Fi facility in the College enables students and teachers to have access to online journals to which the University of Delhi has subscribed.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If ‘yes’ give details.

No, ZHDC has not received any grant from industry or other beneficiary agency for developing research facility.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of ongoing and completed projects and grants received during the last four years.

For a list of ongoing and completed research projects in the college see **Tables 3.2 and 3.3**.

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

The availability of advanced scientific equipments in the science laboratories of our College

enables students and faculty members to carry out research in hitherto undiscovered areas. There are tissue culture labs in the Botany and Zoology department of our College. Chemistry, Mathematics and Electronics department have research labs. Physics department is equipped with Aplab digital multi-meter, muffle furnace, rotary evaporator for sol-gel processing, ultrasonic cleaner, nitrogen gas cylinder and regulator. Botany department possesses centrifuge non-refrigerated, shaker incubator, laminar flow, microscope with camera, electrophoresis with power pack, water bath, and electronic balance. Chemistry department has a cyclic voltammetry, UV-Vis spectrophotometer, UV chamber, potentiometer, conductivity meter, rotatory vacuum vaporiser, complete range of glass ware and oven. Zoology department has two laboratories: one museum and one tissue culture lab. The department have also cold centrifuge, calorimeter, TLC and chromatograph units.

Our College library contains a considerable stock of scholarly reference books including those submitted by the principal investigators of various research projects. Students have access to the e-journals to which the University of Delhi has subscribed. A room for storing the Delhi College archives has been set up in the library and is extremely useful to the students who pursue their research in history.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

Latest research equipments are purchased through research projects. A large number of teachers in the college are conducting major research projects, and all the equipments purchased are retained for the collective use of the institution after the project ends.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments/facilities created during the last four years.

No. The college has not received any grant from the industry or any other beneficiary agency.

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/other research laboratories?

The students have greater exposure to research activities because of the geographical proximity of ZHDC to the reputed institutions of research such as Sahitya Academy, Indian Council of Historical Research, National Physics Laboratory, Indian Agricultural Research Institute, Ranbaxy Research Laboratory and Teen Murthy Bhawan, Natural History Museum, Art gallery, National Museum, National Physical Laboratory and Indian agricultural research institute, etc. The students are also allowed to make use of the University Department libraries, Central Reference Library, Central Science Library and Ratan Tata Library. The science students can also use the facilities available at University Science Instrumentation Centre (USIC), National Physical Laboratory (NPL), IIT Delhi, Jawaharlal Nehru University and Solid State Physics Laboratory (DRDO).

3.3.5 Provide details on the library/information resource centre or any other facilities available specifically for the researchers?

Students have access to the J-Store data-base, in the multi-media library through Delhi University website. The library is part of various e-resource sharing networks namely, UGC-Infonet, National Library and Information Service Infrastructure for Scholarly Content (N-LIST) and Delhi University Library System (DULS).

3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

No collaborative research facilities exist in the college. However, research equipments and computers have been procured under the research projects sponsored by various institutes, such as, UGC, DST, DRDO, ICSSR, DU Research Council etc.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

*** Patents obtained and filed (process and product):** NIL

*** Original research contributing to product improvement:** NIL

*** Research studies or surveys benefiting the community or improving the services:**

The major contribution of Dr. Sulekh Chandra's work is the application of transition metal complexes as alternative energy sources and new conversion technologies such as fuel cells and devices for photolytic splitting of water to form hydrogen and oxygen. For the manufacture of new materials such as polymers with tailored nano-, micro- and macroscopic properties suited for new technological applications. The search for metal-derived antioxidants has received much attention and effort in order to identify the compounds having high capacity in scavenging free radicals related to various disorders and diseases associated with oxidative damage, caused by reactive oxygen species (ROS). Presently, synthetic antioxidants are widely used because they are effective and cheaper than natural antioxidants. Currently a number of Schiff-base metal complexes have been investigated as effective scavengers of ROS, acting as antioxidants.

*** Research inputs contributing to new initiatives and social development:**

Dr. R. Prabhakar Rao's relentless effort for the conservation of environment and eco-system is reflected in his different projects during 1998 to 2009. Dr Rao's projects analyzed the social and economic impacts of large dams on environment and project affected persons (PAP), and studied the impact of development activities in the fragile environment of the Andaman and Nicobar islands. His research projects surveyed national parks and sanctuaries including geographical, legal, biological, and social profiles of selected national parks and areas. His works sought to suggest measures to mitigate human-wild-life conflict in areas surrounding national parks and sanctuaries, which included the environmental accounting of the river Yamuna basin and determining the minimum flow in order to maintain the ecological integrity of the river.

Dr. Devesh Vijay has surveyed a slum called Aradhak Nagar on the Delhi-UP border, along with remedial classes for slum children and use to house survey involving college students and faculty members also, and published his findings in the paper titled 'Structure and Mobility inside a Delhi Slum: 1988-2009', Social Change, ISSN0049-0857 Volume 43, No.4, Council of Social Development, 2013.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publications listed in any international database?

No such research journal is published.

3.4.3 Give details of publications by the faculty and students:

The research papers, books published/edited and chapters written in books are listed in Table 3.6

Table 3.6: List of research papers, books published/edited & chapters written in books

Department	Number of papers published by faculty and students in peer reviewed journals (national/international)	Number of papers published by faculty and students in non-peer reviewed journals	Chapter in books	Books authored/edited/monograph
Arabic	8		1	8
Bengali	14		3	2
Botany	78	01	18	
Chemistry	500	01	14	31
Commerce	42		10	20
Economics	08		07	03
Electronics	59	06		02
English	51	09	30	22
Hindi	36		03	10
History	86		05	18
Mathematics	62		06	04
Persian				06
Philosophy	15		10	03
Physics	69		03	03
Political Science	26		28	05
Psychology	65		17	03
Sanskrit	26		31	07
Urdu	49	25	13	16
Zoology	50		05	

For complete details about International Database, ISBN/ISSN, Citation Index, Impact factor and h-index (*see the Departmental Profile*)

3.4.4 Provide details (if any) of

(a) Research awards received by the faculty:

Dr. Mohammad Wahid Ansari: “Best research paper award” by Governor of Uttarakhand in 2015.

Dr. Mohammad Wahid Ansari: “Young Scientist” under fast track scheme of DST in June 2013.

Dr. Malti Gupta: “ISCA Young Scientist Award” in 1987.

Dr. K.K. Arora: “Young Chemist Award” by Young Chemist Association of India, 1984.

Dr. Nidhi Dhawan:

- Gold Medal and Prof. Manubhai M Shah Memorial Research Award 2012.
- Best Paper Award in National Seminar on research paper titled “ Impact of Inter Role Distance in Banking Sector” at Jesus & Mary college, University of Delhi, Delhi, 2014
- Best Paper Award in National Conference for research paper titled “Issues related to Stressors and its impact upon Overall Job Performance- An Empirical Analysis” at Bharati College University of Delhi, Delhi, 2015.

Mohammed Afzal: Best research paper award (joint) in National Conference on “The Indian Vernacular: Languages, Literatures, and Histories” for the research paper “Early Urdu Novel and the Domestic Revolution in Colonial North India”, September 7-9, 2015.

Capt (Dr) M M Raheman “Distinguished Teacher Award” by University of Delhi.

Dr. G.S. Tuteja: “Distinguished Teacher Award” by University of Delhi.

(b) Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally?

CA Ashok Sharma: Award for the year 2008-09 for commendable contribution in activities of profession by NIRC of ICAI.

Anuradha Marwah: Selected Visiting Writer in three Universities in U.K. by the Charles Wallace India Trust in 2001.

Kishore Kumar Das: Fulbright Doctoral and Professional Research Fellowship, USEFI (25/9/2008).

Dr. Devesh Vijay: Fellowship from the Indian Council of Social Science Research (2008); Institute of Economic Growth (2011); Nehru Memorial Museum and Library (2013).

Dr. Atullah, Charles Wallace Fellowship (CWIT), London, 2010.

Capt. (Dr) M M Raheman: Recognized for the contribution in Delhi University as Deputy Proctor and for contribution towards the **introduction of electronic voting machines** in the students’ union election for the first time. His work as **OSD-Controller of Examinations**, Delhi University was highly appreciated for establishing the Centralized Evaluation System.

Dr. G.S. Tuteja: Recognized for his work as Deputy Dean, Student Welfare in Delhi University.

(c) Incentives given to faculty for receiving state, national and international recognitions for research contributions.

Such achievements of the faculty member are mentioned in the annual report of the college.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

Till now no consultancy has been provided to any industry by the faculty of our College. The consuling cell does provide a platform for establishing institute-industry interface for placement of students.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

Individual faculty members are free to associate themselves as consultants given their adherence to the rule and regulations of DU.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The faculty members of the college have been associated with various national and international universities for the purpose of research and the development of higher education. The members of several departments have built collaboration with the Institute of Life Long Learning, University of Delhi and the Indian Institute of Management. Dr. P.K. Shishodia was associated with Delhi University-Kabul University project “Strengthening of Higher Education Programme (SHEP)”, sponsored by the World Bank.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The expertise of our faculty members has been utilised by various national and international organisations. However, no revenue was generated for the college.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

There is no generation of income through consultancy in the college.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The creation of a just and equitable society can be made possible through the promotion of multi-pronged extension activities of institutes of higher learning. Zakir Husain Delhi College places special emphasis on the encouragement of institution-neighborhood community networks by allowing its faculty and students to interact with social challenges.

NSS:

Under the successful coordination of Dr. Nadira Arif (2011-2014) and Dr. Mukesh Kumar Jain (2014-2016), the NSS volunteers have served the community.

In 2011-12, NSS volunteered in a Blood Donation Camp conducted by the Red Cross Society of India, in which more than 400 students came forward to donate blood. A Nukkad Natak presented by NSS volunteers to motivate students for this noble cause. The NSS volunteers collected the College donated Old Woolens, Blankets and Clothes to help the NGO, GOONJ, in their distribution among the poorer sections of society. A Free Eye Checkup Camp was organized with the help of Dr. Shroff Eye Hospital, Darya Ganj.

In 2013-14, the volunteers collected clothes, woolens, utensils medicines and eatables and handed these over to *Goonj* to help the flood victims of Utrakhand. A seminar on children with special needs, with a focus on mental disability was also organised. A Blood Donation Camp organised by the Red Cross Society where a large number of students donated blood.

In 2014-15, the volunteers carried forward the Swachh Bharat Abhiyan initiated by the Government of India by organizing regular cleanliness drives, especially during Students

elections week. The candidates lent a helping hand by advocating a litter free campaign. A number of activities were organized under the cleanliness drive such as poster making competition, holding an exhibition and observing weekly inspection of college. The volunteers also helped in the distribution of national flags in Republic – Day Celebration at college. Moreover, also noteworthy is their participation in Ekta March on Rashtriya Ekta Diwas, Blood Donation camp, “Say No to Crackers” campaign during Diwali, Collection for J&K Relief, Lecture on Global Warming, Nukkad Natak on the theme of 'Child Rights' in University Cultural Festival – Antardhvani 2015.

In 2015-16, NSS organised self-defense camps in collaboration with the Girls Association to promote girls' empowerment. A Health Awareness Programme with special reference to Dengue was organised during October, 2015. In January, 2016, Oil Conservation awareness programme was organised in association with Petroleum Conservation Research Association (PCRA).

Students of the department of psychology are constantly involved in spreading mental health awareness. A number of them are a part of Mental Health Foundation (MHF) founded by AIIMS. Through this foundation students are working in the slums of Kirti Nagar providing mental health services to the slum dwellers. A workshop was conducted to sensitize students to the problems faced by outstation students of Delhi University.

NCC:

Under the leadership of Capt. (Dr) M M Raheman, the NCC cadets have evolved into good citizens of the country. Through their participation in Republic Day Parade and other national activities, NCC students develop a strong sense of belonging to the nation. The promotion of their active participation in a variety of camps hones their leadership quality. Following Table shows the achievement of NCC cadets in last four years.

Table 3.7: Number of students from NCC selected during last four years for their achievements

S NO.	NAME OF CAMPS AND EVENTS	NO. OF CADETS			
		2012-13	2013-14	2014-15	2015-16
1.	Pre-Republic Day Camp / Republic Day Camp	10	6	10	5
2.	All India ThalSainik Camp	3	3	4	2
3.	Army Attachment Camp	15	23	18	20
4.	Chief Minister Rally	8	10	4	8
5.	Advanced Leadership Camp	2	3	2	1
6.	Prime Minister Rally	6	20	16	23
7.	Amar Jawan Jyoti	17	12	17	3
8.	Combined Annual Training Camp	-	-	30	85

9.	All India Trekking Camp	11	12	13	5
10.	National Integration Camp	18	42	4	12
11.	Para Slithering	1	3	2	3
12.	Annual Training Camp	40	60	40	20
13.	Camel Safari	1	1	1	1
14.	Snow Skiing	3	-	1	1
15.	Mounteering	-	1	-	-
16.	Blood Donation	20	15	8	10
17.	Special National Integration	6	6	-	2
18.	World Cancer Day	-	-	8	10
19.	Yoga Day	NA	NA	NA	85
20.	Indian Military Academy	-	1	-	-
21.	Swacch Bharat Mission	NA	NA	NA	80

Arts and Culture Society is instrumental in spreading awareness about a wide variety of social issues through the performance of Nukkad Nataks.

- The students of Arts and Culture group feel strongly committed towards society. In 2012-13, a group of students visited *Cheshire Home* and interacted and entertained the inmates with music.
- The members of society also worked with **Election Commission of India**- for National Voters Day – ‘The theme behind this special day is “Greater Participation for a Stronger Democracy” and held many events like debate, slogan writing and essay writing competition to sensitize youth about the right to vote.
- The year 2013-14 also the society conducted a month long series of annual theatre workshops. These workshops resulted in the performance of a play 'Kabira Khada Bazaar Mein' written by the eminent writer in Hindi, Bhisham Sahni and directed by Surendra Sharma. It aimed at exposing the students towards the significance of composite culture evolved in the Indian society.

3.6.2 What is the Institutional mechanism to track students’ involvement in various social movements/activities which promote citizenship roles?

Through NSS/NCC activities, college encourages students to participate in social movements and activities that promote citizenship roles. To track the activities of the students in various community projects taken up by the college, we keep in touch with the institution/group/NGOs with which they are working. Apart from this, we also take regular feedback from the NSS volunteers in order to make an assessment of their contribution and also their self-growth.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The overall performance of the institution is assessed through the perceptions of students, alumni, parents and eminent visitors to the College.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The faculty members of the college motivate students to contribute their services for community/social work such as to assist visually impaired students by being their readers, to teach underprivileged children in college vicinity, to work with NGOs dedicated to various social causes like environment protection, human rights, women's rights, rights of PWD.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

NSS:

Under the successful coordination of Dr. Nadira Arif (2011-2014) and Dr. Mukesh Kumar Jain (2014-2016), the NSS volunteers carried out the following social activities:

- In 2011-12, NSS volunteered in a Blood Donation Camp conducted by the Red Cross Society of India, in which more than 400 students came forward to donate blood.
- In 2011-12, the NSS volunteers collected the College donated Old Woollens, Blankets and Clothes to help the NGO, GOONJ, in their distribution among the poorer sections of society.
- In 2011-12, A Free Eye Checkup Camp was organized with the help of Dr. Shroff Eye Hospital, Darya Ganj.
- In 2013-14, the volunteers collected clothes, woollens, utensils medicines and eatables and handed these over to *Goonj* to help the flood victims of Uttarakhand.
- In 2014-15, the volunteers carried forward the Swachh Bharat Abhiyan initiated by the Government of India by organizing regular cleanliness drives, especially during Students elections week.
- In the same year, they participated in Ekta March on Rashtriya Ekta Diwas, Blood Donation camp, "Say No to Crackers" campaign during Diwali, Collection for J&K Relief, Lecture on Global Warming, Nukkad Natak on the theme of 'Child Rights' in University Cultural Festival – Antardhvani 2015.
- In 2015-16, NSS organised self-defence camps in collaboration with the Girls Association to promote girls' empowerment.
- In the same year, A Health Awareness Programme with special reference to Dengue was organised during October, 2015.
- In January, 2016, Oil Conservation awareness programme was organized in association with Petroleum Conservation Research Association (PCRA).

NCC:

NCC cadets have taken part in blood donation camp, Swachh Bharat Abhiyaan and International Yoga Day. Through their participation in Republic Day Parade and other national activities, NCC students develop a strong sense of belonging to the nation. The promotion of their active participation in a variety of camps hones their leadership qualities.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

In the academic year 2015-16, Mrs Rashmi Govind, Dr. Bodh Prakash, and Mohammed Afzal of the Department of English have started English proficiency classes for female students of Zakir Husain Delhi College. In the past, the department had also conducted English classes for students of neighboring areas.

By collaborating with the NGO-GOONJ, the NSS unit of Zakir Husain Delhi College helps the poorer sections of society by the free distribution of the donated clothes of the college.

In 2013-14, the Girls' Association conducted self-defense classes for girls to address the question of girls' safety. 2013-14, a program on Cancer Awareness was conducted by Indian Cancer Society in college on October 30, 2013. In 2014-15, a poster-making competition on "Women's participation in electoral politics" was organized on February 3, 2015. A debate on the topic "Women are taken for granted by media" was held on February 6, 2015. On February 13, 2015, a panel discussion on "Social Networking: Expectations and Challenges" was conducted. In 2015-16, an interactive session on women's issues was conducted on October 5, 2015 by Dr Samriti Uppal, the visiting Gynaecologist to the college.

The Psychology department of our college made visits to mental asylums and carried out works for tackling mental health issues of workers in slum areas.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The objectives of the extension activities is to provide the young scholars of Zakir Husain Delhi College with a platform to supplement their theoretical knowledge by their engagement with the challenges faced by the marginalized and oppressed groups of society such as women, Dalits, PWDs, and students from the north-east.

Bengali

a) Taking trips to some historical places or places of importance within or nearby Delhi has always been a special emphasis (except 2015-16) because a literature student must understand history of mankind and life outside text books.

b) Being far from the Bengal, so that students are not been deprived of Bengali Culture ,apart from holding seminars in college we take our small number of students wherever Bengali seminars/lectures/ cultural activities are held because Bengali literature is the flower of Bengali culture. Recitation, story writing competitions, singing competitions, dancing competitions, elocution competitions etc. are encouraged very much.

Electronics

Three days Robotics workshop based on AVR microcontroller on trainer kit organized for benefit of students, funded and conducted by ZHDC as well as Netaji Subhas Institute of

Technology (NSIT) (March 2015). Students found good opportunity to interact with the faculty and students of NSIT. They got valuable training on the trainer kits which helped them in creating interest in the subject.

Political Science

The objectives of these activities is to constantly provide our young scholars with a platform to creatively express themselves; increase their awareness about political, social, economic, and cultural issues; become culturally more sensitive to the challenges faced by the marginalized and oppressed groups like women, Dalits, PWDs, and students from the north-east. The idea is to enable students to critically think about and challenge the orthodox practices existing in our society, and to build their capacity for providing solutions to the critical and complex problems faced in our social and political lives.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The College has set up a handmade paper laboratory under the Innovation Project of the University of Delhi in October 2014. Ten undergraduate science students, who were a part of this project, have received three weeks of intensive hands on exposure at Forest Research Institute, Dehradun in making handmade paper from weeds and agro-based wastes. This has a huge social entrepreneurial potential which is beginning to unfold. Workshops are held regularly to impart training in handmade paper making from waste paper and products designed from that handmade paper.

Dr. Rao's projects analyzed the social and economic impacts of large dams on environment and project affected persons (PAP), and studied the impact of development activities in the fragile environment of the Andaman and Nicobar islands. His research projects surveyed national parks and sanctuaries including geographical, legal, biological, and social profiles of selected national parks and areas. His works sought to suggest measures to mitigate human-wild-life conflict in areas surrounding national parks and sanctuaries, which included the environmental accounting of the river Yamuna basin and determining the minimum flow in order to maintain the ecological integrity of the river.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The college has organized Self-Defense training for the girl students in collaboration with Delhi Police.

NSS has associated itself with the NGO-GOONJ for carrying out the works of relief for the victims of natural calamities.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

Dr. Ratnam K. Wattal has been awarded with 'Women Achiever Award' by National Commission for Women in 2014.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the

initiatives collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The Institution invites Scientists from premier research organizations such as CSIR and DRDO laboratories to interact with students and faculty members. However, no formal mechanism has been formulated for staff exchange, sharing facilities and equipment etc. though these laboratories permit our staff to use their facilities.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Science Setu

Zakir Husain Delhi College an MoU signed with NII (National Institute of Immunology, Delhi), which enabled the college to join the Science Setu programme on 26/03/2015. The members of the Science-Setu committee include Dr. Babeeta C. Kaula (Nodal officer), Dr. Sarita Passey and Dr. Sunil Kumar. Under the program, one day workshop on “Stem Cell Science and Applications: Hype and Reality” was organized jointly by National Institute of Immunology, Zakir Husain Delhi College, Dyal Singh College, Gargi College, Institute of Home Economics, and Sri Venkateswara College on 22 September 2015 at 10.00 am in the Salman Ghani Hashmi Auditorium (Zakir Husain Delhi College). Workshop was inaugurated by Dr Manju Sharma, former Secretary, DBT and the main speaker was renowned scientist Dr. D. Balasubramanian from LV Prasad Eye Institute, Hyderabad. The lecture was followed by a Panel discussion on various aspects of stem cell technology (scientific, technical, legal, ethical). Five students from our college underwent a seven days research training programme in the month of December 2015 under the supervision of Dr. Pramod Upadhyay and Dr. P. Nagrajan, NII, New Delhi.

Indian Social Institute

On February 7, 2011, Dr. Cristopher Lakra, Executive Director, Indian Social Institute and Ravi Ranjan, Department of Political Science, Zakir Husain Delhi College signed a MoU for completion of collaborative research project on “Development, Conflict and Democracy: Land Acquisition for Mining and Maoist Movement in Chhatisgarh and Jharkhand”.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/library/new technology/placement services etc.

The placement cell of the college has invited several companies for the recruitment of the students, creating a platform for the interaction of students and industry. No financial support has been provided by the industry.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Botany:

Following scientists delivered lectures in the “**National Symposium On “Biotechnology in Crop Improvement: Prospects & Challenges”**”, April 1, 2016, organized by the Department of Botany, Zakir Husain Delhi College

1. Prof. Deepak Pental, Ex- Vice Chancellor of University of Delhi
2. Prof. Ved Pal Singh, Head, Department of Botany, University of Delhi
3. Prof. S.R. Bhat, Principal Scientist, NRCPB, IARI, New Delhi
4. Dr. Vibha Dhawan, Director (TERI) New Delhi
5. Dr. Harsh Chauhan, Assistant Professor, Department of Biotechnology, IIT Roorkee
6. Dr. Girish Mishra, Assistant Professor, Department of Botany, University of Delhi
7. Dr. Rahul Kumar, DST-Inspire Faculty, University of Hyderabad, Hyderabad
8. Dr. Nidhi Dutta, Liaison Officer, ICGEB, New Delhi
9. Dr. Vibha Ahuja, Chief General Manager, Biotechnology Consortium of India Ltd.(BCIL)
10. Dr. Ravi Khetrapal, Regional Advisor, Strategic Science Partnerships, CABI, South Asia

Commerce:

National Seminar on “Challenges of Development: Re-Visit to Inclusiveness” in January 17-18, 2014 funded by ICSSR. The eminent personalities who were invited to this event are:

1. Shri Haroon Yusuf, Honorable Minister of Civil Supplies, NCT of Delhi
2. Prof. Sukhadeo Thorat, Chairman ICSSR, New Delhi (Ex- Chairman, UGC)
3. Prof. Furqan Qamar, Vice Chancellor, Central University of Himachal Pradesh
4. Prof. Nawal Kishor, Director, Management Department, IGNOU
5. Prof. Dinesh Singh, Vice Chancellor, University of Delhi
6. Prof. S.P. Singh, IIT Roorkee
7. Prof. Prakash, BIMTECH, Greater Noida
8. Prof. P.K. Chaubey, IIPA, New Delhi
9. Prof. D.K. Nauriyal, IIT Roorkee

Gandhi Study Circle:

Two-day International Conference on “Gandhi and the Contemporary World” held on **(Feb 24,25, 2016)** at the Conference Centre ,University of Delhi. The event was sponsored by **ICSSR, UGC, ICPR, ICCR and the University of Delhi**. The eminent personalities who were invited to this event are:

1. Prof. Douglas Allen, Department of Philosophy, University of Maine, USA.
2. Prof. Antony Copley, Honorary Professor of Modern European and Indian History, University of Kent, UK.
3. Prof. Ari Sitas, (South Africa)
4. Prof. Kazuya Ishii, Kagawa University, Japan
5. Prof. Vinit Haksar, Honorary Fellow ,University of Edinburgh, UK
6. Prof. Garry. Cox, College of the Atlantic, Bar Harbor, Maine USA
7. Prof. Ashis Nandy, Honorary Fellow, CSDS, Delhi

8. Prof. Gail Omvedt, Human Right Activist
9. Prof. Thomas Pantham, Former Professor of Political Science, M.S. University of Baroda
10. Prof. Mridula Mukherjee, Centre for Historical Studies, Jawaharlal Nehru University
11. Prof. M.P. Singh, Editor, Indian Journal of Public Administration, IIPA & Former Head, Department of Political Science, University of Delhi
12. Prof. Ujjwal Kumar, Department of Political Science, University of Delhi
13. Prof. Bindu Puri, Centre for Philosophy, School of Social Sciences, J.N.U.
14. Prof. Apoorvanand, Department of Hindi, University of Delhi
15. Prof. Ashok Acharya, Department of Political Science, University of Delhi
16. Prof. N. Radhakrishnan,
17. Ms Tara Gandhi Bhattacharjee, Former Vice-Chairperson of Gandhi Smriti and Darshan Samiti, Delhi.

Persian

The Department of Persian, Zakir Husain Delhi College organized three day **International Seminar "Exploring Delhi's Social and Cultural Traditions through Persian Literature (Mughal Period)"** during 7-9 November, 2012. The eminent personalities who were invited to this event are:

1. Prof. Iqtidar Husain Siddiqui, Former Head, Department of History, A.M.U. Aligarh
2. Prof. S.H. Qasemi, Former Head, Department of Persian, University of Delhi
3. Dr. Effat Naqabi, Assistant Professor, Department of Persian, Khwarizmi University, Tehran, Iran
4. Dr. Ali Raza Qazve, Director, Persian Research Centre, Iran Culture House, New Delhi
5. Prof. Sharf-e-Alam, Ex Vice-Chancellor, Maulana Mazharul Haque Arabic and Persian University, Patna, Bihar
6. Prof. Azizuddin Husain, Director, Raza Library, Rampur, Uttar Pradesh
7. Prof. Razaullah Ansari, Former Professor of Physics, A.M.U., Aligarh
8. Prof. Abdul Qadir Jafari, Head, Department of Arabic and Persian, University of Allahabad, Allahabad
9. Prof. Umar Kamaluddin, Head, Department of Persian, University of Lucknow, Lucknow
10. Prof. Tahira Abbasi, Head, Department of Persian, Barkatullah University, Bhopal
11. Sahibzada Dr. Shaukat Ali Khan, Director, Persian and Arabic Research Institute, Tonk, Rajasthan
12. Dr. Saleha Rasheed, Associate Professor, Department of Arabic and Persian University of Allahabad, Allahabad
13. Dr. Gulfishan Khan, Associate Professor, Department of History, A.M.U., Aligarh
14. Prof. S.B.F. Husaini, Head, Department of Persian, University of Delhi, Delhi
15. Prof. Rehana Khatoon, Department of Persian, University of Delhi, Delhi

16. Prof. Chander Shekhar, Department of Persian, University of Delhi, Delhi
17. Dr. Aleem Ashraf Khan, Associate Professor, Department of Persian, University of Delhi, Delhi
18. Dr. Rajinder Kumar, Department of Persian, University of Delhi, Delhi
19. Dr. Shama Mitra Chenoy, Associate Professor, Dept. of History, Shivaji College, University of Delhi
20. Dr. Sayyed Akhtar Husain, Associate Professor, Centre of Persian and Central Asian Studies, School of Language Literature and Culture Studies, JNU, New Delhi
21. Dr. Akhlaq Ahmed Khan, Assistant Professor, Centre for Persian and Central Asian Studies, School of Language Literature and Culture Studies, JNU, New Delhi

Two Day **National Seminar on "Farsi Aur Urdu: Lisani Aur Adabi Rawayat"** during 21-22 April, 2016 organized by Department of Persian, ZHDC. The eminent personalities who were invited to this event are:

1. Prof. S.H. Qasemi, Renowned Persian Scholar and Former Head, Department of Persian, University of Delhi
2. Prof. Abdul Qadir Jafari, Head, Department of Arabic and Persian, University of Allahabad, Allahabad
3. Prof. S.B.F. Husaini, Head, Department of Persian, University of Delhi, Delhi
4. Prof. Rehana Khatoon, Department of Persian, University of Delhi, Delhi
5. Prof. Chander Shekhar, Department of Persian, University of Delhi, Delhi
6. Prof. Aleem Ashraf Khan, Department of Persian, University of Delhi, Delhi
7. Prof. Mohd. Iqbal, Former Head, Department of Persian, JMI, New Delhi
8. Prof. Iraq Raza Zaidi, Head, Department of Persian, JMI, New Delhi
9. Prof. Rajinder Kumar, Department of Persian, University of Delhi
10. Prof. Ahmad Mehfooz, Department of Urdu, JMI, New Delhi
11. Prof. Umar Kamaluddin, Head, Department of Persian, University of Lucknow, Lucknow
12. Dr. Saleha Rasheed, Associate Professor, Department of Arabic and Persian University of Allahabad, Allahabad
13. Dr. Sayyed Akhtar Husain, Associate Professor, Centre of Persian and Central Asian Studies, School of Language Literature and Culture Studies, JNU, New Delhi
14. Dr. Akhlaq Ahmed Khan, Assistant Professor, Centre for Persian and Central Asian Studies, School of Language Literature and Culture Studies, JNU, New Delhi

3.7.5 How many of the linkages/collaborations have actually resulted informal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated-

- a) Curriculum development/enrichment
- b) Internship/On-the-job training
- c) Summer placement

d) Faculty exchange and professional development**e) Research****f) Consultancy****g) Extension****h) Publication****i) Student Placement****j) Twinning programmes****k) Introduction of new courses****l) Student exchange****m) Any other**

No agreement or MoU have ever been finalized with any industry or research institute. Although many of our students are selected for summer research projects in various institutes whose details are as given below.

Chemistry

S.No.	Student Name	Project Details
1	Manthan Raj—B.Sc.(H) Chemistry Sem IV	Summer Research Fellowship, IISER Kolkata Topic-Abnormal Carbene-9-hydroxy phenalenone and ligand synthesis Guide: Dr. Swadhin Mandal
2.	Aman Dhingra--- B.Sc.(H) Chem. Sem IV	DSKC SUMMER INTERNSHIP PROJECT, Miranda House, University of Delhi Topic: Efficiency of packed fruit juices
3.	Aman Dhingra--- B.Sc.(H) Chemistry Sem IV	INSPIRE WORKSHOP To check the presence of various antioxidants present in amla extract and walnut extract using KMnO ₄
4	Saral Baweja--- M.Sc. Chemistry Sem II	Phosphate solubilizing action of bacillus subtilis on bone meal: a novel biofertilizer for crop improvement Indian Agricultural Research Institute, New Delhi. (August 2011 – February 2012) Advisor: Dr. Lata
5.	Saral Baweja--- M.Sc. Chemistry Sem II	Summer Internship at IISc Bangalore Guide: Prof S. Chandrasekaran June and July of 2016.

6.	Madhur Yadav, Neha Kardam, Vaibhav Pal Singh, Manisha Yadav (BSc(H) III Year), Prince Chauhan, Sagar Choudhary(BSc(H) II Year)	3 Weeks long hands on workshop in making handmade paper from weds and agro based waste from FRI, Dehradun
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Electronics

Krishan Kumar Gupta of BSc (Hons.) **Electronics 2nd** year student got Summer Research Fellowship -2016 in Indian Academy of Science, Bengaluru.

Mathematics

Arunesh Kumar Pandey of B.Sc (Hons) Mathematics got Sumer Research Fellowship 2016 in National Institute of Science Education and Research, Bhubneshwar.

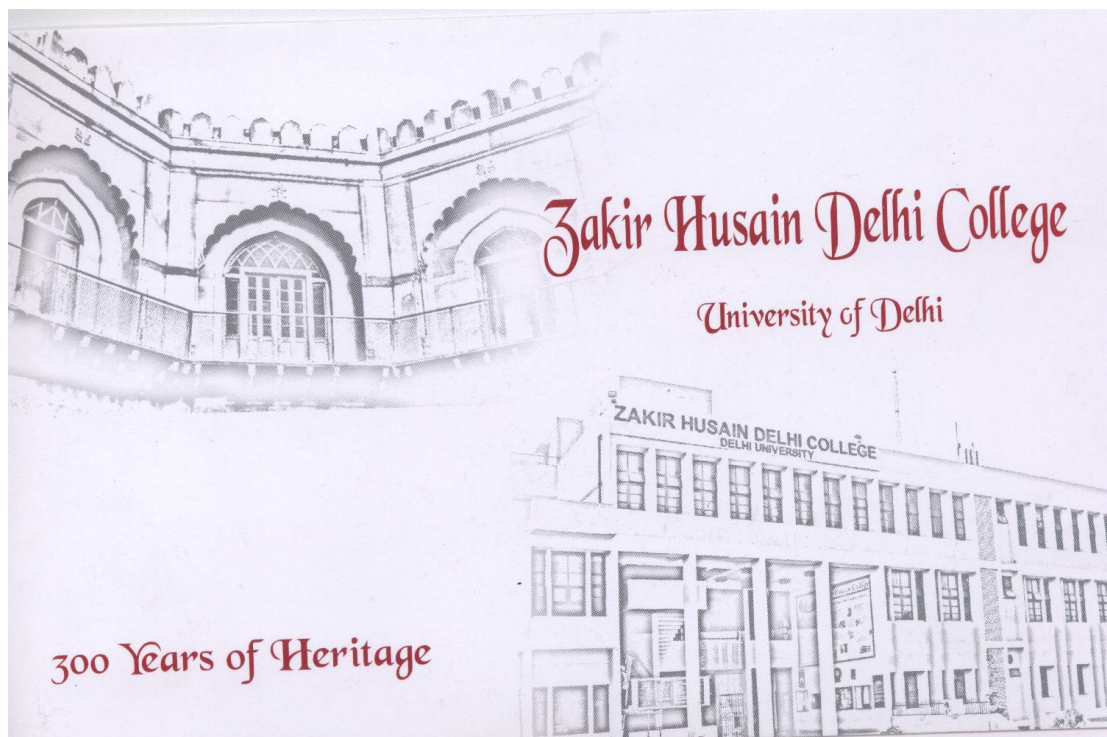
3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

Recently, the college has sent to the University of Delhi its research requirement, that is, contingent and equipment management grant for carrying out research level experimentation.

CRITERIA- WISE INPUTS

CRITERION-IV

Infrastructure and Learning Resources



4.1 Physical Facilities

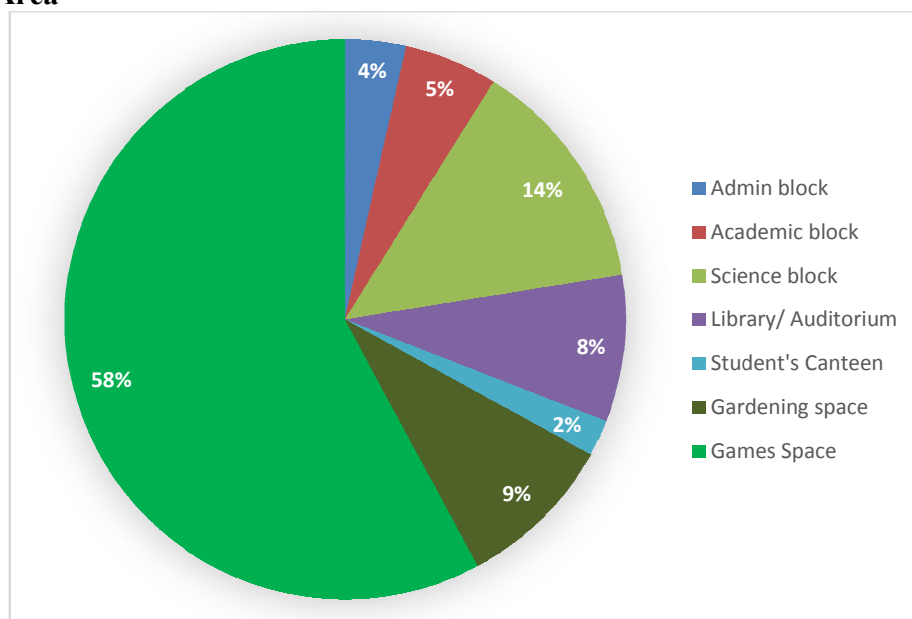
4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

We at Zakir Husain Delhi College believe in the holistic growth of the students. In this direction the institution pays significant attention to both curricular and extra-curricular activities of the students. The college has well-lit, well-ventilated, hygienic classrooms. Each class room has enough number of fans and tube-lights, spacious sitting arrangements, white/black board, etc. Some class rooms are provided with LCD projectors to facilitate effective use of digital equipments in the teaching-learning activity. To accommodate modern teaching pedagogy using digital resources, the college also has two air-conditioned classrooms equipped with audio-visual facilities. College pays due attention to provide all sorts of facility in terms of instruments, chemicals and glassware, and tidy working space in the teaching laboratories for the students. We strictly follow the safety measures in the laboratories to provide a safe learning environment. In order to accommodate more number of students, due to OBC quota expansion, college has constructed four more rooms for the theory classes. We are working hard to convert our teaching laboratories to state-of-the-art facilities for students for effective learning. It will include the renovation of laboratories and procurement of more advanced instruments. Taking into account the increased consumption of power, college has installed a power backup generator of 250 KVA for the smooth functioning of college. Besides this, ordinary tube lights are replaced with cost effective, high efficiency T-5 tube lights to curb excessive power consumption and save the environment. Keeping in mind the expansion of infrastructure and facilities, UGC has sanctioned the construction of a new building which will provide more space for teaching and research.

4.1.2 Detail the facilities available for

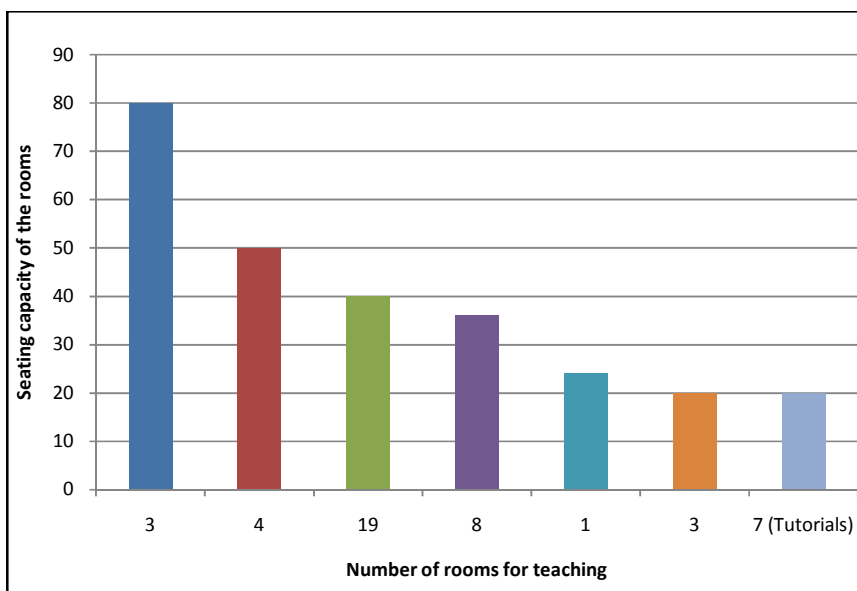
a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, animal house, specialized facilities and equipment for teaching, learning and research etc.

1. College Area



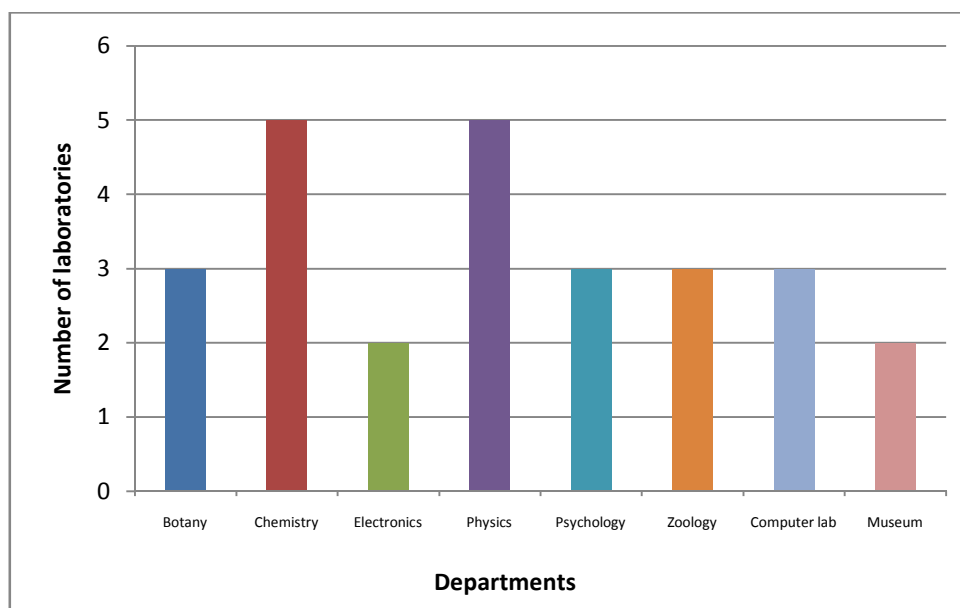
Situated at the heart of the capital and adjacent to the walled city, Zakir Husain Delhi College is spread over an area of around 6.25 acres. Within the available space, the college has always provided all basic facilities to students, and academic and non-academic staff of the college.

2. Classrooms



Out of 45 rooms used for teaching and / or tutorial classes, 21 rooms are equipped with LCD projector facility, and six high capacity rooms are also provided with the mike system. Four make-shift rooms (Porta-Cabins) and two high capacity rooms in the science block are air-conditioned. Four more Porta Cabins are under construction and will be ready in the next session.

3. Teaching laboratories



College has 24 well equipped laboratories which are used to conduct the practicals. The laboratories are of two sizes, big and small, depending on the working capacity of around 40 and 20 students, respectively. However, two of the physics labs are for some specific experiments and have capacity of about 12 students. Four laboratories are equipped with projector facilities. In addition, the college has two well-maintained museums, one in the botany department and the other in the zoology department. Both the museums are equipped with projector facilities. College also has the facility of tissue culture rooms which are equipped with the basic instruments required to perform the tissue/cell culture related studies. Adjoining to all the laboratories, small rooms or cabins are provided to the laboratory staff for the storage of laboratories related items, and for the preparation of reagents and chemicals wherever they are required.

4. Instruments available in the laboratories

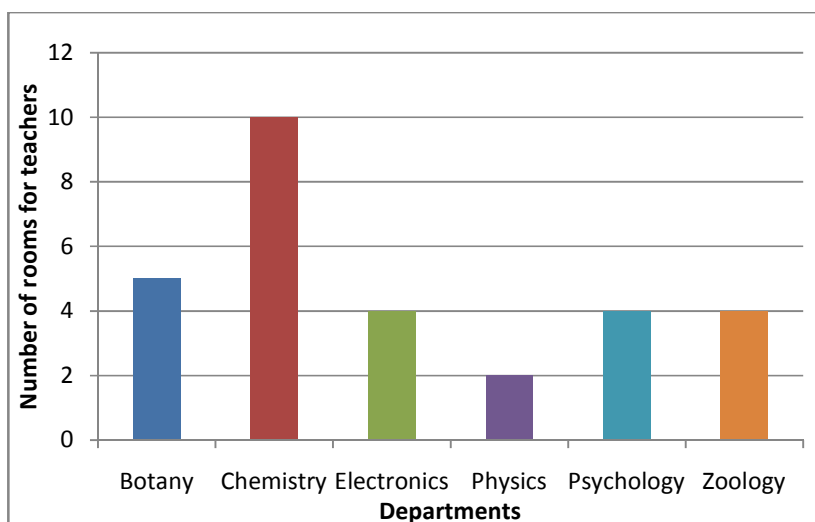
1. Function Generators
2. Optical bread-board and Fibre Optic Trainer Kit
3. He-Ne Laser
4. Muffle furnace
5. Material testing equipment for P-E Hysteresis, Hall's effect
6. B-H curve kit
7. Digital storage oscilloscope
8. Function generator
9. Robotics trainer kit
10. Digital and analog trainer kit
11. Digital multimeter
12. Spectrophotometer
13. Potentiometer
14. Source meter
15. Conductometer
16. Flame photometer
17. Electrophoresis unit
18. Autoclave
19. Laminar air flow hood
20. BOD incubator
21. Shaker
22. Stereo Microscope
23. UV Spectrophotometer
24. Refrigerated Centrifuge machines
25. Colorimeter
26. Transilluminator
27. pH meter
28. Magnetic Stirrer
29. Sahli's Hemoglobinometer

5. Multimedia and Computer Labs

College has one air-conditioned multi-media-cum e-Resource lab and two computer labs equipped with 110 computers to conduct the computers related practical classes. All the

computers are connected to internet through LAN. Students are provided with a unique login ID and password to avail the internet facility. In addition to these, there is another computer lab in which girl students are trained.

6. Teachers rooms



In the science block, sufficient seating space, on sharing basis is available for teachers. An additional air-conditioned, staff room, having seating capacity of around 60 teachers, with attached wash rooms, kitchen, computer room and a small committee room is available at the ground floor of the academic block.

S.No	Items	Quantity	Seating capacity	AC	Audio/Visual
7.	Room for Archives	1	NA	Yes	No
8.	Seminar Room	1	60	Yes	Yes
16.	Stationary/ Souvenir Shop	1	NA	No	No
17.	Research Laboratories	3	NA	No	No
18.	Photocopy Facility	3	NA	1	No
33.	Library	1	220	Yes	NA
40.	Multimedia cum- e-Resource Lab	1	40	Yes	NA
26.	Botanical Garden	1	410 sq m is an open space to grow multi-variety of plants. It is also a suitable hub for a number of insects and birds. The space is properly maintained by the collaboration of the botany department and our gardeners.		

27.	Herbal Garden	1	108 sq m space is dedicated to a herbal garden in which variety of herbal plants are grown for teaching purposes.
28.	Ecological Space	1	Ecological space includes an open area of around 200.12 sq m used for ecological studies. A well maintained pond is also available in college which is used to study certain aspects of aquatic ecology.
29.	Rock Garden	1	Around 149.5 sq m area adjacent to the auditorium and rear to the main road has been converted to the rock garden. In this area, a variety of cacti are grown.
30.	Cactus House	1	10.033 sq m
31.	Vermi Compost	4	As a small step towards sustainable development, college has developed its own vermi-compost unit in which organic waste from the canteen is used to make green manure which in turn is used for gardening purpose.
32.	Normal Compost	1	Leaves from plants are collected in this pit and are further converted into compost.

Area for the existing and proposed Building.

Layout of the college is enclosed (Page No: 125).

b) Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, public speaking, communication skills development, yoga, health and hygiene etc.

Sports Facility (Existing)		No.
Outdoor games	Basketball Court	01
	Cricket Nets	03
	Football Field	01
	Volleyball Court	01
	Long Jump Pit	01
Indoor games	Chess	Chess facility is available in the girl's and boy's common room as well as in the staff room.
	Table Tennis	01
	Judo	
Rooms for Sports	Locker Room (01) Store Rooms (02) Sport Office (01)	
Washrooms with shower facility	04	

Auditorium and auditorium foyer	College has one fully air-conditioned, audio-visual facility enabled auditorium with seating capacity of around 417 persons. This space is dedicated to organize various conferences and symposiums. Arts and culture society workshops, cultural programmes, independence day celebration, debates and other group activities are organized in the auditorium. The auditorium foyer is an area which is commonly used to organize the arts and culture society workshops, book-fairs and poster-presentations during conferences and symposiums.
Cultural activities	One music practice room is available on the first floor of the administrative block. This room has the following instruments: 2 sets of tablas with one extra chatty, 2 sets of electric guitars, 1 bass guitar, 1 harmonium, 1 electronic tanpura, 1 tapri, and one set of drums. Students rehearse plays and other cultural activities in the foyer of the auditorium and open space near the rock garden.
NSS	1 Room: The task of sensitization of youths towards prevailing societal and environmental problems is taken up by the NSS wing.
NCC	2 Room: The NCC wing of our college is very active. Every year our students are selected for a number of training camps organized by the military forces around the country, and for the republic day parade. Every year, 160 students are enrolled for the NCC and the college ground is used for the NCC drill.
Medical/Counselling Room	1
Students Union Room	In the Students Union Room, the elected officer bearers conduct their meeting and discuss the various activities to be undertaken by them.
Girl's Common Room	There is a girl's common room with a seating capacity of about 60 girls. It is provided with the facility of filtered drinking water and two wash rooms. Also, the facility of newspapers and few indoor games such as Carom and Chess are provided. Adjacent to the girl's common room, there is a small room where students learn to make cloth bags from waste clothes.
Boy's Common Room	The capacity of the boy's common room is around 25. It is also provided with basic amenities like filtered drinking water, and clean wash rooms, newspapers, and indoor games options like chess and carom.
Placement Cell	1
Public speaking and communication skills development	For needy students, college organizes the capacity building classes in one of the classrooms.
Health and hygiene	1. One Medical and counselling room 2. Wash room blocks for boys: 06 3. Wash room for girls: 06 4. Wash room for non-teaching staff: 05 5. Wash room for teachers: 06 6. Wash room in library: 02 In order to maintain a tidy environment in the college, a team of 12 safai karamcharis maintain the cleanliness of campus. Every karamchari has been assigned a designated area to maintain the cleanliness. The college, with the help of the NSS, regularly organizes 'Cleanliness Drive' to clean the campus. Our college is a pan masala, gutkha, tobacco free campus.

	Carbonated drinks and fast foods are not allowed in the campus. College has well a maintained canteen and Jumma Fresh Fruit Chaat corner which serves hygienic and healthy food. College has a <i>Safal</i> booth in which healthy drinks and milk products are available.
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4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

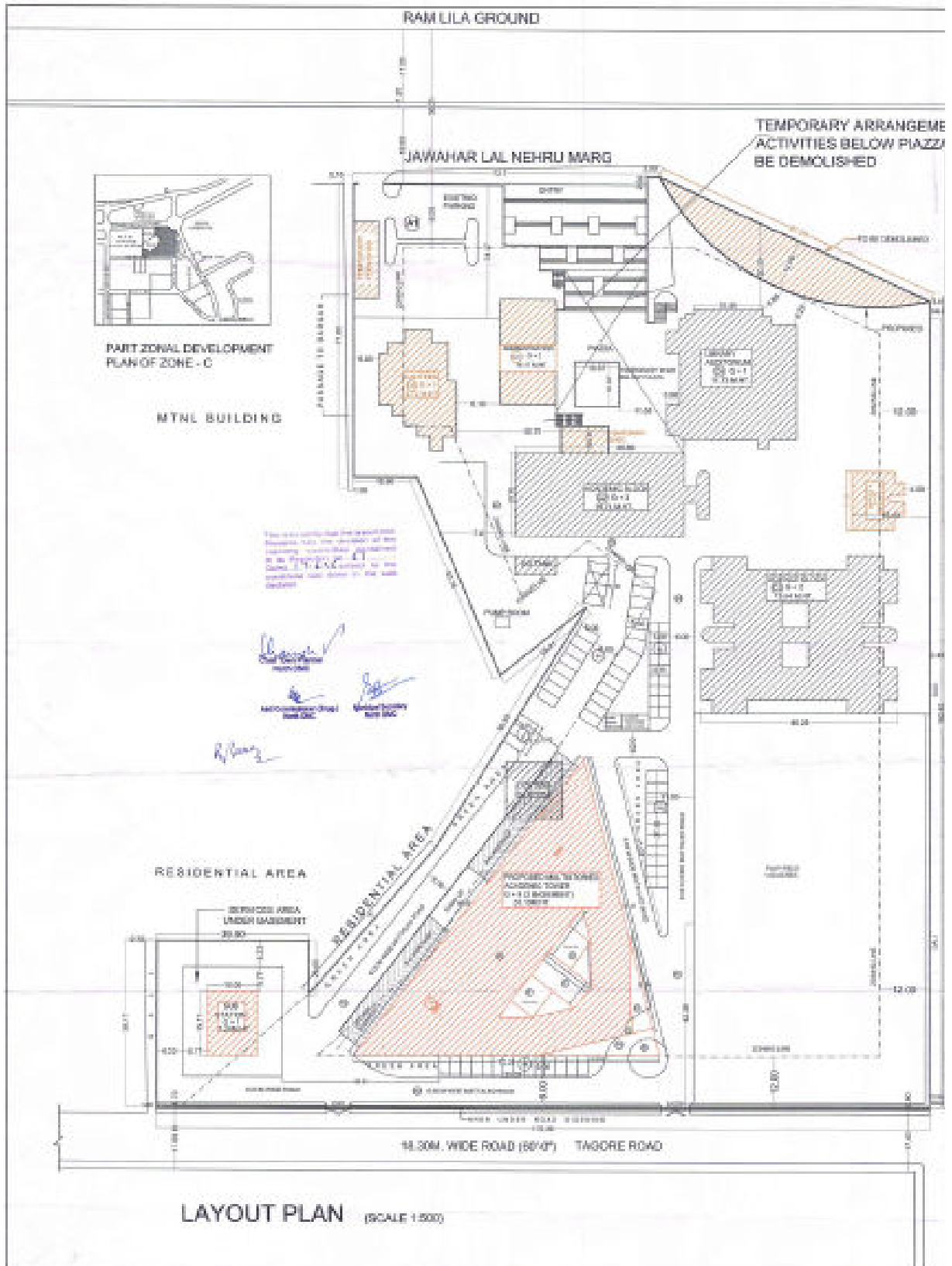
In terms of optimal utilization of infrastructure, both the morning and evening college share maximum facilities, except for the accounts and administrative section, library, multi-media labs and science laboratories. Though the college has limitations in terms of space, the logistic arrangements of classes in the master time-table fulfil the need of smooth conduct of classes, practicals, and tutorials. Moreover, in order to accommodate the increased number of students due to OBC expansion, and for the up-gradation of existing facility, the college has developed the following mentioned infrastructure to meet the requirement.

S. No	Name of the facility	2012-13 Amt spent (Rs)	2013-14 Amt spent (Rs)	2014-15 Amt spent (Rs)	2015-16 Amt spent (Rs)	Total Amt spent (Rs)
1	Construction of porta cabins	3,35,000	0	0	0	3,35,000
2	PH friendly Toilet	4,92,000	0	0	0	4,92,000
3	Lifts (2)	0	23,50,000	0	7,81,970	31,31,970
4	Library AC	60,00,000	20,00,000	70,00,000	0	1,50,00,000
5	Strengthening and renovation of pathways	30,00,000	0	30,08,974	0	60,08,974
6	Energy effective light fitting	0	49,39,000	40,00,000	0	89,39,000
7	Up gradation of electricity distribution	0	10,86,000	23,00,000	0	33,86,000
8	Structural repair of science block	0	10,00,000	0	20,00,000	30,00,000
Total		98,27,000	1,13,75,000	1,63,08,974	27,81,970	4,02,92,944

With regard to the future expansion, an eight storey building with class rooms, laboratories, basic facilities and an underground parking has been sanctioned (Master plan enclosed).

Approved infrastructure in the new building

S.No.	Particulars of Approved Building Requirement	Dimensions if any (seating capacity)	Remark if any
1	13 Classrooms for Commerce & Humanities Courses	60	Based on Timetable Committee's requirement
2	09 Classrooms for Commerce & Humanities Courses	20	
3	06 Classrooms for Science Courses	60	
4	02 Language Lab.	20	
5	08 Store Rooms (Garden, Plumbing, Carpenter, Electrician-02, General Store Room-2, Examination Store Room)	20	
6	08 Rooms for Sports, NCC, NSS, Counselling, Medical, Placement Cell, Meditation, Crèche	20	
7	03 Rooms for Library Stack Room, Reading Room for students, Teachers' Reading Room	120, 60 &, 40	
8	01 Room for E.O.C. at Ground Floor	40	
9	04 Rooms for Judo, Squash, Table Tennis, Chess	20	
10	01 Room for Arts & Culture Society (Sound Proof)	40	
11	02 Rooms for Canteen	60	
12	02 Rooms for Girls' Common Room with wash room	60 &, 20	
13	01 Room for Boys' Common Room with wash room	60	
14	01 Seminar Room	120	
15	01 Generator Room	60	
16	04 Computer Lab.	60	
17	College Lawn in sunny side	As per the space available	
18	Rooms for Offices		
19	Number of Lifts		
20	Gymnasium		



4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

College campus is completely differently-abled friendly. Lifts, ramps, and toilets have been made available separately for differently-abled students. There is one lift each in the Science block and the admin block. The lifts are maintained by the staff on duty.

Facilities available to Visually Challenged students			
S. No.	Item	Qty.	Remarks
1.	Laptop	7	Laptop supplied by DU for VH
2.	Scanner camera with laptop	1	Issued to librarian
3.	Jawa software	1	Installed in one computer of multimedia library in 2012
4.	Voice recorder / iPod	4	Issued to visually challenged students
5.	Pearl camera reader with book	1	Installed in one computer of multimedia library in 2012

4.1.5 Give details on the residential facility and various provisions available within them:

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga centre, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual equipments**
- **Available residential facility for the staff and occupancy**
- **Constant supply of safe drinking water**
- **Security**

Hostel facilities are not available in the college.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Off-campus: As per the rules of the Government of India, entitled health provisions are available to all the permanent staff members and faculties. Teaching and non-teaching staff can get the membership of World University Services-Health Centre and avail the entitled medical facilities. College is situated near the L.N.J.P. Hospital, G.B. Pant Hospital, and Guru Nanak Eye Centre. If there is a medical emergency, the student or staff, accompanied by any other staff members, is taken to the hospital for consultation.

On campus: Within the college premises, one medical-cum-counselling room is available, in which one lady doctor and one male doctor are present for two hours per day, four days a week. Further, first-aid provisions have been made accessible in the laboratories, BCR, and GCR. A counselling psychologist is available in the college, one day a week to attend to students seeking help. Based on the response, the number of visits by a psychologist may be increased.

4.1.7 Give details of the Common Facilities available on the campus, spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

S.No	Facility	Nos.						
1	IQAC	IQAC has been a recently reconstituted committee in our college this year. Presently, we do not have any dedicated space for this committee. However, members of this committee use the seminar hall to conduct the meetings.						
2	Grievance Cell	College has a grievance cell to deal with and address any of the grievances arising in the college. Members of the grievance cell conduct their meetings in the common facility areas like the staff room, AV room, Seminar room, and the room adjacent to the staff room.						
3	Girl’s association	Functions related to the girls association are held at GCR, the auditorium and the AV room.						
4	Career counselling & Placement cell	There is one dedicated room for the placement cell in which student interviews for placements are conducted. Moreover, the AV room of the college is used for career counselling.						
6	Health Center	One medical room.						
7	Canteen	College has one canteen which provides healthy and hygienic Indian food items. In addition, the college has one <i>Safal</i> booth which provides a variety of milk products, and Jumma Fresh Fruit Chaat corner.						
8.	Recreational spaces for staff and students	<table border="1"> <thead> <tr> <th>Girls common room</th> <th>Boys common room</th> <th>Space adjacent to Staff room (for Staff)</th> </tr> </thead> <tbody> <tr> <td>1. Carrom 2. Chess set</td> <td>3. Carrom 2. Chess sets</td> <td>1. Carrom 1. Chess set</td> </tr> </tbody> </table>	Girls common room	Boys common room	Space adjacent to Staff room (for Staff)	1. Carrom 2. Chess set	3. Carrom 2. Chess sets	1. Carrom 1. Chess set
		Girls common room	Boys common room	Space adjacent to Staff room (for Staff)				
1. Carrom 2. Chess set	3. Carrom 2. Chess sets	1. Carrom 1. Chess set						
11 Water cooler fitted with the water purifiers								
9	Safe drinking water facility	11 Water cooler fitted with the water purifiers						
10.	Auditorium	One fully air-conditioned auditorium with a seating capacity of 417. It is equipped with an audio-visual system. Screening of documentaries, annual/memorial lectures, conferences and symposia, functions and farewells as well as programmes of the arts and culture society, are organised here.						

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student / user friendly?

The College Library is administered by the Library Committee and headed by the Principal, as Chairman. The Librarian holds the position of member secretary while teachers-in-charge of all the departments are the members of this committee. The Staff Council of the college elects the convener of the Library Committee. The Committee gives its recommendations for the betterment of the library and its services from time to time. Some of the significant recommendations of the Committee are:

- Automation and Networking of the College Library.
- Digitalization of the Manuscripts and Rare Books.
- Fixing up of the number and loan period of the books for the students as well as staff.

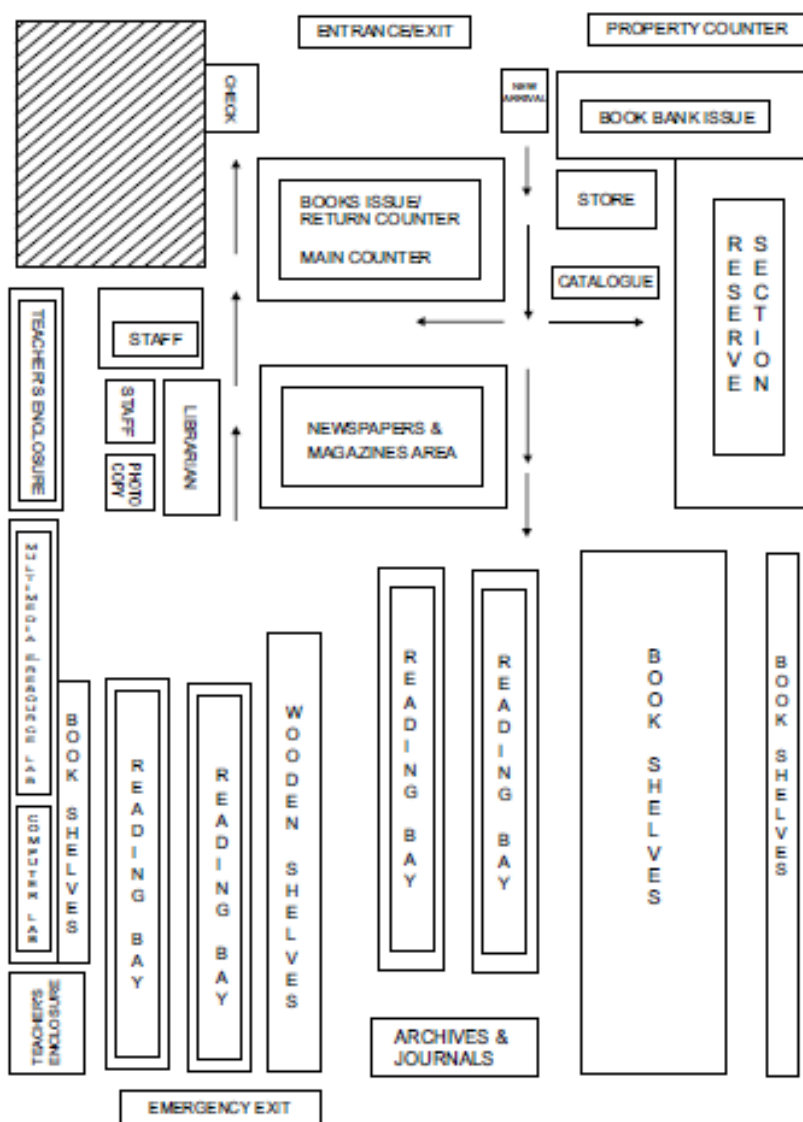
- Approval for weeding out of the outdated/mutilated books separated from the active collection for this purpose since past many years.

4.2.2 Provide details of the following:

Total Area of the Library (in sq. Mts.)	890 sq. Mts.
Total Seating Capacity	200 + 20 (exclusively for faculty members)
Working Hours (on working days, on holidays, before examination days, during examination days, during vacation)	Monday to Saturday 08:30 AM – 08:30 PM
	During Vacations 08:30 AM – 05:30 PM
	Holidays Closed

Layout of the Library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources).

MIRZA MEHMOOD BEG LIBRARY (LAYOUT - NOT TO SCALE)



4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The College Library acquires books and reading resources on the recommendations of the Teachers-in-Charge of various departments. Some of the general and reference books needed by the library are purchased in consultation with the Convener of the Library Committee. Generally, representatives of the publisher/supplier contact the teachers and get their recommendations for specific titles, on a prescribed recommendation form provided by the library. The Librarian confirms the order after checking that the titles either do not already exist in the library or are inadequate in number. The faculty also gets books from various book exhibitions including biennial “Bhisham Sahani Book Fair” organized by the Book Exhibition Committee in association with the College Library. The subscription of magazines and periodicals (newspapers) are decided annually in the meeting of the Library Committee.

Details of amount spent on procuring new books, journals and e- resources during last four years:

Library Holdings	2012-13		2013-14		2014-15		2015-16	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Textbooks	2470	1013748	3170	1584737	1838	974461	2542	1197053
Reference Books	443	59073	440	34390	454	47799	463	67000
Newspapers	19	20373	20	54891	22	42058	20	50302
Magazines per month	37		49		37		29	
Journals/Periodicals	Periodicals and Journals subscribed by the University of Delhi are available online to the students through DULS.							
e-Resources	e-Resources are available to the students through DULS							

4.2.4 Provide details on ICT and other tools deployed to provide maximum access to the library collection?

OPAC	It is a part of future plan of Library Automation.
Electronic Resource Management Package for e-Journals	As a constituent College of the University of Delhi, we have access to the facilities of Electronic Resource Management Package for e-Journals through DULS (Delhi University Library System).
Federated Searching tools to search articles in multiple databases	The facility of two federated search engines, viz., UGC-Infonet federated search engine, JCCC, and the search engine of DULS, Knimbus has been provided by the DULS.
Library Website	It is a part of future plan. However, in order to facilitate and serve all the students and staff as per their convenience and ease, by the application of widely used social media tools, the College Library has been made available on Facebook. The page of the library may be accessed by all, either through their own mobile phones/computers/laptops having Internet access, or by making use

	of the computers placed in the Multimedia cum e-Resource Lab inside the College Library. The link of the library page on Facebook is: https://www.facebook.com/mmbeglibrary . The Facebook page is updated regularly.
In-house/Remote access to e-Publications	The College Library provides access to the In-house and remote access to e-publications of the Delhi University and other subscribed resources of Delhi University through DULS.
Library Automation	It is in progress.
Total number of computers for public access	<ul style="list-style-type: none"> ▪ 40 computers are installed in the Multimedia cum e-Resource Lab, for the exclusive use of the students. ▪ 4 computers are installed in the Teachers' Enclosure out of which 3 computers are meant for the use of teachers while one computer connected with Lex Scanner (<i>which converts text into voice</i>) and headphone is meant for the use of visually challenged students.
Total number of printers for public access	01
Internet bandwidth/speed	1Gbps
Institutional Repository	It is a part of future plan.
Content Management System for e-Learning	The College does not have its own content management system for e-learning. However, this facility is provided through Institute of Life Long Learning (ILLL), University of Delhi via its website http://vle.du.ac.in . The faculty members of our College have also contributed to this website.
Participation in Resource Sharing Networks/ Consortia (like INFLIBNET)	The College Library is not a member of any resource sharing network. However, the UGC- Infonet consortia maintained by INFLIBNET is available to the College through Delhi University Library System (DULS).

4.2.5 Provide details on the following items:

Average Number of Walk-ins	400 per day (approx.)
Average Number of Books Issued/Returned	300 per day (approx.)
Ratio of Library Books to the Students Enrolled	33 books per student (approx.)
Average Number of Books Added during Last Four Years	2955 (approx.)
Average Number of login to OPAC	N.A.
Average Number of login to e-	No statistics available because the users access this facility through

Resources	DULS and University of Delhi website on their laptops, smart phones and the computers installed in the Multimedia cum e-Resource Lab. of the College Library.
Average Number of e-Resources Downloaded/Printed	No statistics available.
Number of Information Literacy Trainings Organized	All the newly enrolled students are made aware about the various facilities provided by the College Library every year during Induction/Orientation Programme organized on the very first day of the start of the new academic session. The students are also helped and trained by library staff to locate the books in the college library.
Details of “Weeding out” of Books and other material	<ul style="list-style-type: none"> • Newspapers are sold at the end of each financial year by calling quotations from the scrap vendors. • Around 9000 outdated/mutilated/torn-out books have been identified and separated from the active collection for weeding out. Approval for their weeding out has been accorded by the Library Committee. The process will be completed in the academic session of 2016-17 following the procedure of reviewing of these books by the teachers of all the departments, making a list of these books and marking them in the Accession Registers.

4.2.6 Give details of the specialized services provided by the library:

Book Bank: The College Library houses a Book Bank, which is one of the largest amongst Delhi University colleges. It has a rich collection of around 12000 books with yearly addition of around 500 books covering all the disciplines taught in the College. The books are procured in the Book Bank strictly keeping in view the demand of the students. It renders services to the students by providing them with the text books (*Maximum 04*) of their choice for the whole academic session. The students are required to apply for getting this facility as and when notified. To ensure transparency in distribution, books are issued on first come first serve basis. Students are required to return these books before the commencement of their examinations to get Clearance/No Dues from the library. However, if the students want to retain the books till the examinations are over, they are required to deposit a refundable security amount equivalent to the value of the book(s).

Delhi College Archives: It is housed in the College Library. It was inaugurated by Prof. Sabyasachi Bhattacharya, Chairman, Indian Council of Historical Research on 18th February 2008. Delhi College Archives contain a large number of files and books related to the College history and the significant developments in higher education in Delhi and North India from 1823 onwards. Besides original writings by the teachers and alumni of the College in Urdu, Persian and English, textbooks prepared and used during the 19th century for instruction in mathematics, history, geography, literature etc. are also a part of its collection. It also contains important secondary sources and books related to the Delhi College and the intellectual ferment in the Delhi region during the 18th and 19th centuries.

Manuscripts	49
Reference	The College Library provides access to all reference collections including encyclopaedias, yearbooks, dictionaries, directories, competition books etc.
Reprography	The users of the College Library are provided with the facility of photocopying and printouts, inside as well as outside, within the College campus.
ILL (Inter Library Loan Service)	ILL with other libraries outside the college, is a part of the future plan. However, this service is functional among the morning and evening college libraries.
Information Deployment and Notification	There are four notice boards inside and one notice board outside the library and all the notices regarding membership, clearance, schedule of issuance of books from Book Bank etc. are deployed on these notice boards. Information regarding newly added books is also provided to the students and faculty members, by displaying one copy of the newly acquired book in the Fresh Arrival Show Case, placed at the entrance of the College Library.
Download	This facility is available to the College fraternity in the Multimedia cum e-Resource Lab. inside the College Library. The users can also download documents and other information from the various databases and electronic journals provided to the College through DULS.
Printing	This facility is available to the College fraternity in the Multimedia cum e-Resource Lab. inside the College Library.
Reading List/Bibliography Compilation	No
In-house/Remote Access to e-Resources	The users access this facility through DULS and University of Delhi website on their laptops, smart phones and the computers installed in the Multimedia cum e-Resource Lab of the College Library.
User Orientation and Awareness	All the newly enrolled students are made aware about the various facilities provided by the College Library, every year during Induction/Orientation Programme organized on the very first day of the start of the new academic session. The students are also helped and trained in searching the books in the College Library by the library staff.
Assistance in Searching Databases	The staff of Multimedia cum e-Resource Lab. assists the users in searching the databases available to the College through DULS via the website of the University of Delhi.
INFLIBNET/IUC Facilities	The UGC-Infonet consortium of INFLIBNET is available to the College for the users via Delhi University Library System (DULS).

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college

The College Library staff helps the users in locating their required books and other reading materials. The Library staff also provides reference services to the users. Special and extra attention is given to the users with special needs. The College Library also honours the requests/suggestions of the students made for the procurement of the required books by acquiring

all such books after due approval of the Principal. Moreover, the Librarian addresses the day to day grievances of the students and faculty members speedily and efficiently. Current Awareness Service is also provided to the users through the Facebook page of the College Library <https://www.facebook.com/mmbeglibrary>.

4.2.8 What are the special facilities offered by the Library to the visually/physically challenged persons? Give details.

There is a ramp at the entrance of the College Library for the purpose of facilitating the access of differently abled users in the library. Such users are not required to wait in the queue for issue/return of the books. The Library staff addresses the requirements of all such users on priority basis. There is one computer connected with Lex Scanner (*which converts text into voice*) and headphone meant for the use of VH students. There is one magazine in Braille format for the use of such users. If required, the Library staff helps visually challenged users by converting their print material into voice material using Lex Scanner provided by the EOC of the University of Delhi. Delhi University Braille Library Membership is also provided to the visually challenged students, where they are provided with all their reading material both in Braille format as well as audio CDs.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

Feedback is taken informally through interaction with students at the time of issue/return of books, while passing out at the time of clearance and indirectly through suggestion box, placed in the office of the College. Moreover, structured questionnaires are also used for the purpose of getting feedback from the users and to know their requirements and suggestions regarding improvements in the provision of various services and acquisition of books. The suggestions provided by the users are analyzed and the necessary changes and improvements are made accordingly, with immediate effect. The suggestions involving policy matters are discussed in the Library Committee and the action is taken in accordance with the unanimous decisions taken therein on those suggestions. The users are also allowed to directly interact with the Librarian or any Professional staff to voice their concerns/issues for their quick resolution.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware & software) at institution.

There are a total of 201 Desktop PCs; 1005 Laptops and 05 Servers as per details given below:

Desktops

S No	Company	Configuration	Quantity	LAN	Wi-Fi
1	ACER	AMD Phenom TM 2 nd processor, HDD: 350GB, RAM: 2GB	80	Yes	Yes
2	HP	CORE 2 DUO/ All in One AMD, HDD: 80/500 GB/ 1TB, RAM: 1.5GB/2GB/3GB/4 GB	40	Yes	Yes
3	DELL	Inspiron 560, HDD: 500GB, RAM: 3GB	11	Yes	Yes

4	Assembled	CORE i 3/CORE 2 DUO, CORE 2 QUAD, DUEL CORE, PANTIUM, QUANTOM 4, HDD: 50GB, 80GB, 150GB, 160GB, 250 GB, 320 GB, 500 GB, 1Tb RAM: 1GB, 1.5 GB, 2 GB, 4 GB	64	Yes	Yes
5	Assembled	Pentium IV, HDD: 40GB, RAM: 256 MB	6	No	No

Laptops

S No	Company	Configuration	Quantity	LAN	Wi-Fi
1	HP	Probook4430, Core i5, HDD: 500GB, RAM: 4GB	25	Yes	Yes
2	Mac	Probook, Core i5, HDD: 500GB, RAM: 8GB	1	Yes	Yes
3	Sony	VaioVPCA16FG, Corei5, HDD:500GB,RAM: 4GB	1	Yes	Yes
4	HP	Core i 3, HDD: 500GB, RAM: 2GB	1	Yes	Yes
5	Compaq	Pentium 4 3.0 GHZ, HDD: 40GB, RAM: 512MB	1	Yes	Yes
6	IBM	Pentium 4 1.7 GHZ, HDD: 40GB, RAM: 256MB	1	Yes	Yes
7	HP	ProBook 445 G1, HDD: 320GB, RAM: 8GB	33	Yes	Yes
8	HP	ProBook 445 G1, HDD: 320GB, RAM: 8GB	921	Yes	Yes
9	Lenovo	ThinkPad® AMD X131e Notebook, HDD: 320GB, RAM: 4GB (for PwD)	21	Yes	Yes

For PwD Students	
Laptop	21
Scanner Camera	1
Jaws Software	1
Voice Recorder/I pod	4
Pearl Camera Reader with Book	1

• Computer-student ratio

1:2.5

• Stand alone facility

Yes (FAX and XEROX Machine)

• LAN facility

Yes, the college has LAN facility which interconnects the computer systems of Computer Labs, Multimedia Lab, Teaching Room, Library, Principal's Office, Administrative Block, Auditorium Block, Science Block, Data Lab, Staff Room, and Accounts offices.

• Wi-Fi facility

Yes, the entire campus is Wi-Fi enabled. This facility is made available through 17 Access Points and 1 Zone director provided by the University of Delhi. It includes the Administrative block, Science Block, Auditorium, Girls common room, Boys common room and the open area in the campus. As many as 600 users are having wireless access at peak time; otherwise 4000 users are on Wi-Fi.

• Licensed software

Yes, the college has a total of 17 Licensed Software. Additionally the college has some more software which is downloaded directly from the internet.

S No	Licensed Software	Quantity
1	Microsoft WINDOW (Basic & Upgrade paper License)	50
2	WINDOW 8 32 Bit	01
3	WINDOW 7 Home Basic	02
4	WINDOW 7	12
5	WINDOW XP	42
6	Microsoft Office Standard 2013	20
7	Microsoft Office Professional 2013	30
8	Microsoft Office MAC 2011	01
9	Microsoft Office Professional 2007	01
10	Tally 7.2	Multi
11	Esta 14	Single
12	LINUX	94
13	Mathematica	30
14	Saransh Hindi	5

• Number of nodes/ computers with Internet facility

All the computers are connected to internet

• Any other

The college has following items available for the use by the office and teaching staff

Machines	Quantity
Printers	46
Scanners	6
LCD Projector	34
Xerox machines	5

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

Computer is made available to the faculty and students on campus. Out of the total of 1005 Laptops, 921 have been provided to students, 33 to faculty while the remaining 51 laptops and 201 Computers are available to various departments as given below:

Desktop

S No	Department	Computer	Laptop
1	Principal	1	0
2	PA Room	1	0
3	Library	6	0
4	DATA Lab	8	0
5	Administration	29	0
6	Computer Lab	87	0
7	Multimedia	40	0
8	Sports Room	1	0
9	Staff Room	2	0
10	Chemistry	3	3
11	Physics	5	0
12	Electronics	2	2
13	Botany	2	4
14	Zoology	2	2
15	Psychology	2	2
16	Placement Cell	1	0
17	Store Room	5	12
18	Commerce	0	1
19	Stock Room	0	5
20	NCC Room	1	0
21	Faculty	0	33
22	Student	0	921

Data lab: College has an efficient data lab for upload, maintenance and upkeep of records related to students as well as staff. Student record for attendance, assignment, uploading of practical examination marks, college time table are maintained in this lab. It also executes the upkeep and updating of the college website and the portals.

There is one well equipped Multimedia lab cum e-resource lab.

Internet facility is available in the computer lab and the library through LAN. In the rest of the campus it is provided through Wi-Fi. The College is a part of NKN's fiber optic Gigabit Network through University of Delhi with present Internet speed of 100 Mbps scalable to 1 Gbps. Students and faculty members avail computing and internet facility within their departmental laboratories as well as in common facility such as Multimedia lab, Computer lab and Library. The entire campus is Wi-Fi enabled. Students and faculty have been provided Wi-Fi authenticated User ID & Password for Internet access through their devices (Mobile, Laptops etc.).

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- The college is planning to introduce short term computer courses for those students who do not have any previous exposure to basic skills in computers.
- The college is planning to upgrade its existing software.
- The college is in the process of linking library database through OPAC.
- The regular maintenance and upgradation work is being carried out through the computer lab committee.
- To expand the video conferencing facility.
- The library has to be turned in to a technology enabled learning space with computers connected to Internet and e-resources.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

ZHDC collects a very nominal fee of Rs. 800 – 1500 (depending on the usage in the course) from the students annually towards ICT facility. This fund is used for the regular purchases, maintenance and upkeep of the computers and the ICT facilities in the college. Every financial year requirement for purchase of new ICT equipments is invited from all the departments which is reviewed and approved. The regular upkeep, maintenance, deployment and up gradation work is being carried out through staff of the Computer Lab. Broad requirements are identified at beginning of the year and proposed expenditure is recommended by the computer purchase committee and funds are allocated.

S No	Session	Expenditure (Amount in Rs.)
1	2012-13	14,78,203
2	2013-14	12,60,560
3	2014-15	16,01,941
4	2015-16	18,43,469
	Total	61,84,173

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?

Most of the classrooms are fitted with LCD projectors that stimulate and emphasize the teaching-learning methodology in order to augment their knowledge base. Students make good use of laptops to augment their studies, which are issued to them at the beginning of the academic session. Central computing facilities such as computer lab and multimedia cum e-resource lab in the library have been reinforced with adequate staff and computer literate manpower. The multimedia cum e-resource lab remains open from 9.00 A.M to 5.00 P.M on all working days which caters to the computing and ICT needs of student and faculty. Teachers are encouraged to use LCD projectors for their lecture in the class rooms. Students also use Projectors for their presentations. Computer aided teaching is imparted using different licensed software packages such on Tally 9.0, Mathematica, MS Visual Studio, Adobe Illustrator CS Version 12.0, Macro Media Director, Macro Media Flash Pro, Adobe Photoshop CS 2.9.0, MS Project 2010, MS Visio 2010, Adobe CS5 etc.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching- learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- In addition to conventional chalk and talk method of teaching, teachers are encouraged to use modern ICT facility provided by college for wholesome teaching.
- University on its website has also hosted course-material developed by different faculties for undergraduate students. The students in the college are encouraged to use it.
- Teachers are also making use of the valuable e-resources produced by the Institute of Life Long Learning (ILLL), University of Delhi. It has developed course-ware for different courses which is available to students free of cost through website. The access to the internet allows the students to use video lectures uploaded on resource sites like CEC, ILLL of Delhi University and e-acharya of UGC. It provides an opportunity for the students to interact with renowned professors of their own and other Universities and widen their horizons of knowledge.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Yes, the College avails the National Knowledge Network Connectivity through the parent University. There are various services that are being availed using NKN backbone namely:

- Delhi University Wide Area Network (WAN)
- Access to the scholarly content of UGC-INFLIBNET Digital Library Consortium
- Local resource sharing services of Delhi University Library System
- Internet Services through dedicated Fibre Optic Network presently with 100Mbps
- Video Conferencing and Virtual class room activities through the University developed application called Virtual Learning Environment (VLE)

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

A keen eye on admission intake, available infrastructure, formal and informal feedback about need of infrastructure from students and/or staff help the institution to optimally allocate and utilize the available financial resources for the maintenance and upkeep of facilities. College administration regularly keeps a watch on status of infrastructure according to the need. In the last four years, more attention has been paid to make the campus more PH friendly, environment friendly and hygienic. In addition, as per the requirement of OBC expansion, more class rooms (porta cabins) were built to incorporate the students.

Details of expenditure incurred in the last four years for uplift and maintenance of the college infrastructure

S.No.	Head	Year	Maintenance Expenditure (Rs)
1	Building	2012-2013	43,33,957
		2013-2014	1,35,28,705
		2014-2015	1,74,96,234
		2015-2016	12,28,500
2	Furniture	2012-2013	11,500
		2013-2014	0
		2014-2015	4,32,317
		2015-2016	0
3	Equipment	2012-2013	53,177
		2013-2014	30,535
		2014-2015	92,193
		2015-2016	3,14,380
4	Computers	2012-2013	14,48,603
		2013-2014	10,47,700
		2014-2015	14,66,291
		2015-2016	18,17,979
5	Vehicle	2012-2013	Nil
		2013-2014	Nil
		2014-2015	Nil
		2015-2016	Nil

The college has received following grants from UGC/University of Delhi for building and infrastructure.

1. OBC expansion grant: **Rs. 11.00 Cr.**
2. Non-recurring grant for building infrastructure: **Rs: 13.02 Cr.**
3. Recurring grant for building maintenance, repair, and renovation and books: **Rs: 4.05 Cr.**
4. We have received grant under XI and XII plan from UGC for maintenance of the buildings, purchase of books, journals, and equipments. The figures are given below.
 - (i) XI Plan: **Rs. 19.35 Lakhs** for books, journals, and equipments.
 - (ii) XII Plan: **Rs. 33.54 Lakh** for books, journals, equipments and maintenance of equipments, examination reforms, fieldwork and placement cell.

Expenditure incurred under plan grant OBC infrastructure fund is given below

S. No.	Name of the facility	2012-13 Amt spent (Rs)	2013-14 Amt spent (Rs)	2014-15 Amt spent (Rs)	2015-16 Amt spent (Rs)	Total Amt spent (Rs)
1	Construction of porta cabins	3,35,000	0	0	0	3,35,000
2	PH friendly Toilet	4,92,000	0	0	0	4,92,000
3	Lifts (2)	0	23,50,000	0	7,81,970	31,31,970
4	Library AC	60,00,000	20,00,000	70,00,000	0	1,50,00,000

5	Strengthening and renovation of pathways	30,00,000	0	30,08,974	0	60,08,974
6	Energy effective light fitting	0	49,39,000	40,00,000	0	89,39,000
7	Up gradation of electricity distribution	0	10,86,000	23,00,000	0	33,86,000
8	Structural repair of science block	0	10,00,000	0	20,00,000	30,00,000
Total		98,27,000	1,13,75,000	1,63,08,974	27,81,970	4,02,92,944

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- College Building is maintained by the maintenance committee through PWD. College has adequate trained personnel (Senior lab Assistants, Technical Assistants, and Junior Lab. Assistants) to look after the routine maintenance of equipment, various science laboratories and networking and computers.
- The college has special facilities for academic and co-curricular activities outside the classrooms, such as the Auditorium, Seminar Hall, and Audio-Visual Room which have special staff for maintenance along with general staff on cleaning duty.
- The classrooms, laboratories, library, and other building facilities are kept under routine cleaning process.
- The area allocated for botanical, herbal gardens, rock gardens, playground and ecological space, are maintained by experienced and trained gardeners on a routine basis.
- Many of the major equipment like generator sets, 5-10 KVA UPS, water purifier, the EPABX system, Xerox machines, and computer systems are kept under Annual Maintenance contract. For other equipments need based outsourcing, preferably from the manufacturer is done.
- Any complaint/ requirement regarding the maintenance of facilities are addressed promptly by the concerned office under directions from the principal. Faculty or students can always approach the principal's office with complaints and requirements.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

- Electronic instruments such as Digital Storage Oscilloscope, Digital weighing balance, Microprocessor controlled ovens, Function Generators, are calibrated annually from the manufacturer. The other equipments such as microscopes, centrifuges, spectrophotometers etc, are calibrated by the technical staff and the faculty of concerned department as and when needed.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- The college has an electric substation which provides three phase electricity supply. We also have full power back up of 250 KVA diesel generator. Each laboratory has voltage stabilizers

and UPS for safeguard of sensitive equipment against voltage fluctuations, spikes etc. These facilities are maintained on regular basis under the supervision of trained technical staff.

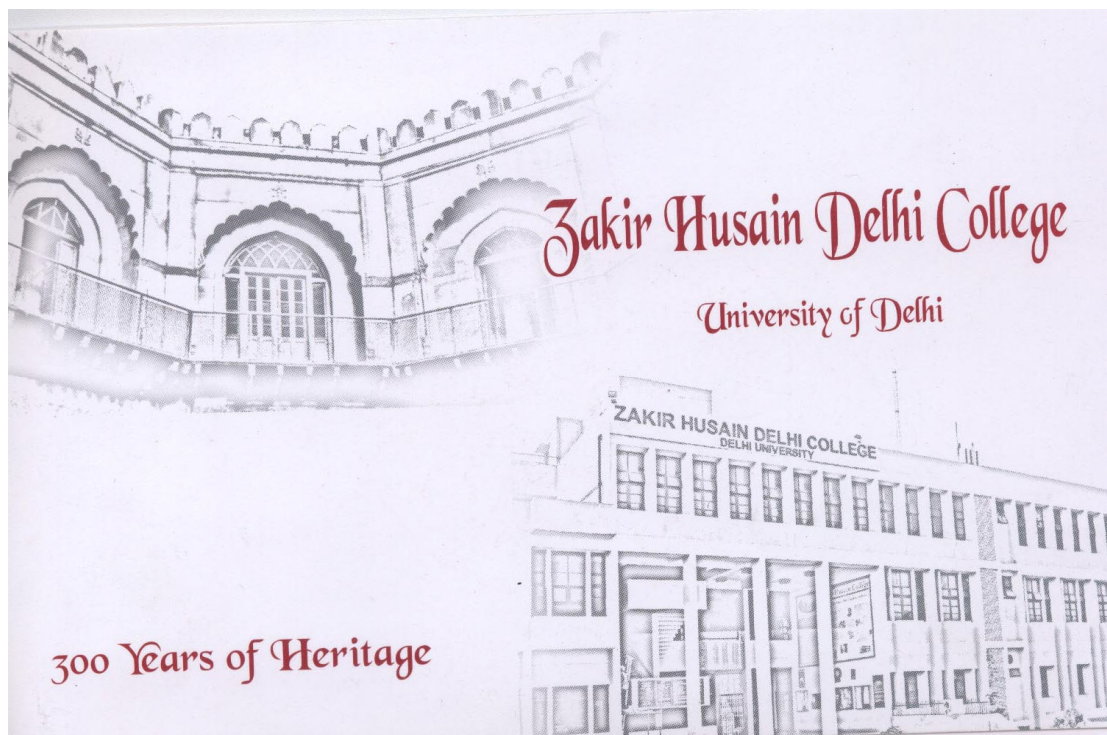
4.4.5 Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

- A power purchase agreement is in the process of being signed between Zakir Husain Delhi College and Azure Power. Azure Power will install a solar photovoltaic power plant Roof top grid connected System of 50.22 KW capacity. The college will purchase the electricity generated at Rs 5.80 per unit for next 25 years (escalation free). Based as on last year data, college will save about Rs 2.5 lakhs per annum. The complete investment and maintenance will be done by Azure power. The project will be monitored by IPGCL (government agency) for two years. The environmental impact of this project is mitigation of around 1733.73 tonnes of carbon dioxide which is equivalent to planting 2774 teak trees over lifetime.

CRITERIA- WISE INPUTS

CRITERION-V

Student Support and Progression



5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

The College publishes a comprehensive Prospectus for each academic year before the admission process begins. The information about Administration of the College, History of the College, College Values, Admission Policies/Eligibility Requirements, Maintenance of Discipline (University rules and ordinances), Rules for attendance, Internal Assessment, Scholarships and Awards, College Facilities and Infrastructure, Annual Events of the College, Co-curricular Activities/Societies and Clubs, College Magazines, Academic Departments and their Profiles, Fee Structure and College Academic Calendar is provided through the prospectus.

Commitment and Accountability:

The commitment and accountability of the aforesaid information is ensured through following means:

- The values, rules and regulations of the College are introduced to the students emphatically on the very first day of the session during a special programme known as the Orientation Programme. The Principal addresses the students and the faculty is also introduced to the students. Following the common Orientation Programme, students go to their respective departments and are addressed by Teachers- in-charge and other faculty members of their departments. They are also provided ready to use library kits containing their library tickets and Identity cards.
- The administration ensures implementation and observance of rules, orders and ordinances.
- Regular checking of Identity Cards at entry gates ensures only bonafide students are present in College.
- An active and alert Proctorial Board ensures compliance.
- Student Grievance Cell empathises and administers justice.
- Internal Complaints Committee ensures prevention of sexual harassment at workplace and redressal.
- Gender Sensitisation Committee sensitises the College fraternity to any kind of harassment.
- Anti-Ragging Committee remains active especially during initial months of the session and ensures comfortable socialisation of students in the College.
- Active and functional societies promote Co-curricular activities amongst students.
- A democratically elected Student Union Body works for the welfare of the students and acts as a bridge between the students and the administration.
- Making all the relevant information available to everyone through Right to Information Act 2005.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

ZHDC gives various Scholarships to the students of different departments. The following table provides the details of scholarships:

Table 5.1: Institutional Scholarships given to the students every year.

S. No	NAME	NUMBER	AMOUNT
1	Mirza Mehmood Beg Memorial Scholarship	03	Rs.2000/-
2	Shri Narain Nigam Memorial Scholarships	03	1) Rs.1000/- for a visually challenged student 2) Rs. 1500/- for others.(2)
3	The Ved Kumar Gupta Memorial Scholarship	01	Rs.1500/-
4	The Kumar Shubham Memorial Scholarships	04	1) Rs.1000/- for a student in B.A. (Hons.) Psychology 2) Rs.750/- for others.(3)
5	Mrs Harjinder Grover Memorial Award	02	Rs. 500/-
6	S. P. Suri Memorial Award	04	Medal and Books worth Rs. 2000/-
7	M. K. Gupta Proficiency Award	10	Books worth Rs. 800/-
8	Gopa Dey Memorial Award	7	Rs. 1500(2), Rs. 1000(3) and Rs.500(2).
9	Vidya Devi Education Fund	A fund of Rs. 5,51,000 has been created in the year 2015.	The number and amount will be decided on the basis of number of applicants.

Table 5.2: Details of Prizes/Awards

S.No.	Name	Year	Number
1.	College Colour Awards (Rs. 1500 each)	2012-13	17
		2013-14	11
		2014-15	10
		2015-16	32
2.	College Crest Awards (Rs. 1000 each)	2012-13	29
		2013-14	33
		2014-15	29
		2015-16	17
3.	Academic Merit Awards for being University Toppers (Rs. 1000 each)	2012-13	4
		2013-14	5
		2014-15	3
		2015-16	5
4.	Certificate of Distinction Awards (Rs/ 750 each)	2012-13	19
		2013-14	9
		2014-15	21
		2015-16	24

5.	Certificate of Merit Awards (Rs. 500 each)	2012-13	13
		2013-14	46
		2014-15	31
		2015-16	44
6.	Certificate of Proficiency Awards (Rs. 300 each)	2012-13	20
		2013-14	35
		2014-15	33
		2015-16	46

Table 5.3: Details of Freeships

Fee Concession			
Year	No. of Students	Value	Amount (Rs.)
2015-16	34	Rs. 1,500 each	51,000
	74	Rs.800 each	59,200
2014-15	17	Rs.2,000 each	34,000
	139	Rs.1,000 each	1,39,000
2013-14	48	Rs. 1,200 each	57,600
	136	Rs. 800 each	1,08,800

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

Students are given financial assistance by University of Delhi (Table 5.4) .Students belonging to scheduled castes, scheduled tribes and other backward classes, recognized as such by the Government of India are awarded scholarship by their respective State Governments. Such students are required to apply to the concerned State Government, on forms prescribed by the respective state governments, through the Principal, immediately after joining the College. The number and percentage of such scholarships received by the students is tabulated below:

Table 5.4: Details of the Financial Assistance received by the Students from DU

Financial Assistance given to Students by University of Delhi				
Year	Total No. of Students	No. of Students Received	% of Students Received	Amount (Rs.)
2014-15	3788	17	0.5	68,000
2013-14	3541	47	1.3	1,41,000
2012-13	3450	623	18.1	18,69,000
2011-12	3254	442	13.6	8,86,500

Table 5.5: Details of the Financial Assistance received by the Students from the Government and other agencies

Financial Assistance given to Students from Govt. & Other agencies										
		State Govt. (Post-Matric Scholarship SC/ST/OBC/Minorities Students)			Central Govt. (Post-Matric Scholarship SC/ST/OBC/Minorities Students)			Other National Agencies (Rashtriya Sanskrit Sansthan(Scholarship))		
Year	Total No. of Students	No.	%	Amount (Rs.)	No.	%	Amount (Rs.)	No.	%	Amount (Rs.)
2014-15	3788	2	0.05	6,000	32	0.84	2,81,223	-	-	-
2013-14	3541	10	0.28	2,61,021	190	5.37	16,44,483	-	-	-
2012-13	3450	12	0.34	83,126	155	4.49	13,29,073	8	0.23	40,000
2011-12	3254	89	2.74	8,44,170	66	2.03	3,32,640	6	0.18	30,000

5.1.4 What are the specific support services/facilities available for:

- **Students from SC/ST, OBC and economically weaker sections:**
- **Students with physical disabilities:**
- **Overseas students:**
- **Students to participate in various competitions/National and International;**
- **Medical assistance to students: health centre, health insurance etc.:**
- **Organizing coaching classes for competitive exams:**
- **Skill development (spoken English, computer literacy, etc.):**
- **Support for “slow learners”:**
- **Exposure of students to other institution of higher learning/ corporate/business house etc.:**
- **Publication of student magazines:**

Students from SC/ST, OBC and economically weaker sections

College provides the following support services and facilities for students from SC/ST, OBC and economically weaker sections:

- The College strictly allows relaxation as per University norms during admissions for the students belonging to SC / ST/ OBC category
- The College provides financial assistance in the form of fee waiver/concession as mentioned above. Some scholarships to students from SC/ ST/ OBC and economically weaker sections are also given by the Government. The College organises Capacity Building Classes for the students belonging to SC / ST/ OBC and economically weaker sections.
- The college also organises English remedial classes for weaker students, the details of which are as follows:

Table 5.6: English remedial and capacity building classes

	Year	No. of Students
English Remedial Classes for 1st and 2nd Year Students	2012-13	30
	2013-14	32
	2014-15	25
	Year	No. of Students
Capacity Building Classes for 3rd Year Students	2011-12	118
	2012-13	122
	2013-14	110
	2014-15	120

Students with physical disabilities:

The **Enabling Unit** (Hum Honge Kamyab) has been a fully functional body in the College since the implementation of XI UGC financial plan. Since then it has been catering to the needs of students with different abilities. College has made suitable modifications in its existing infrastructure under the XI financial plan.

- ZHDC has ramps, a special toilet and two elevators with essential Braille labels and audio support.
- The enabling unit organises a special help desk to assist physically challenged students in their admission process.
- The unit organises regular meetings with the students to address their concerns and problems.
- The College has subscribed to one Braille magazines to fulfil the recreation and information needs of the students with visual disability.
- The unit also provides essential Braille stationary to the students in the College premises itself.
- Our students participate in various inter-college cultural fests and the annual sports meet organised by the Equal Opportunity Center of University of Delhi.
- The unit also organises workshops to generate awareness and sensitisation regarding challenges faced by persons with disabilities.
- The Unit also screens Documentaries related to issues of persons with disability.
- Sensitisation and awareness in the College is done by the Enabling Unit through different events.
- Enabling Unit also provides scribes and readers for the students with visual impairment.
- The College provides various facilities to visually challenged students such as Laptops, Scanner Camera with Laptop, Jaws Software, Voice Recorder / iPod, Pearl Camera reader with book.

Overseas students:

- 5% seats are reserved for foreign students in each course as per University of Delhi guidelines.

- Admissions of foreign students are done as per the recommendations of the Dean, Foreign students, University of Delhi.

For students to participate in various competitions/National and International;

Specific support services/facilities available to the students for participation in various competitions are as follows:

- The College provides full travel support to the students for participation in various events.
- Specialised training/Coaching/Workshops/Mock Sessions are organised to groom students in various co-curricular activities such as Quiz/Sports/NCC/ Theatre /Music/Dance/Debate etc.
- To promote and support various cultural activities the College has adequate infrastructural support and all the musical instruments for the students.
- The College has adequate facility for both indoor and outdoor sports activities. At present students have access to Cricket, Football, Basket-ball, Volley-ball, Table-Tennis, Judo, Carom and Chess.
- During stage performances the entire sets and costumes are provided to the students.
- The College provides apparel kits to all sports persons, uniforms to NCC cadets and NSS volunteers.
- Relaxation in attendance as per University norms are given to the participating students.

Medical assistance to students: health centre, health insurance etc.:

- The College has a Medical Room for providing medical assistance to students and staff on the Campus. Two doctors, one male and one female, visit the campus regularly. Visiting hours are 1 pm to 3 pm on Monday and Wednesday; and 11.30am to 1.30 pm on Tuesday and Thursday.
- First-aid boxes are available in the Principal's office, teachers' staff room, NSS room, Arts and Culture room, Handmade Paper Laboratory, Girls Common room, Sports room and all teaching laboratories.
- Health awareness lectures are organised by the Girls association and the NSS unit of College from time-to-time. During blood donation camps students undergo a test for anaemia. Anaemic students are advised to take nutritious food. Students who donate blood are given one card representing one unit of blood. The card helps them in future in obtaining blood in case of any emergency for themselves or their friends or relatives.

Organizing coaching classes for competitive exams:

As per UGC XIth plan, Capacity building classes were organised by the College having the following components that are common to most competitive exams:

- Verbal Ability
- Reasoning
- Mental Ability
- General awareness
- Personality development

Skill development (spoken English, computer literacy, etc.):

The college has launched a skill development programme with Max Institute of Health Education and Research (MIHER) as the training partner. Currently a batch of 21 students is undergoing training for Diet Assistant course. This programme has been launched under the University of Delhi- National Skill Development Corporation (DU-NSDC) initiative.

Computer Literacy Course, Certificate Course in Urdu, English Speaking Course and Russian Language Course are also offered to students. Other skill development courses will be offered in the 2016-17 academic session as per CBCS curriculum.

Support for “slow learners”:

- Special attention is given to slow learners in theory, practical and tutorial classes.
- As required, extra classes are arranged for such students.

Exposure of students to other institution of higher learning/ corporate/business house etc.:

- Science departments routinely take students for educational visits to industrial complexes such as Breweries, Sugar, Polymers and Glass industries, R&D Laboratories, Environmental Pollution Control and Monitoring Laboratories, Sanctuaries, Biodiversity and National Parks to enhance and enrich the learning experience of students.
- Individual faculty members motivate students to seek exposure to institutes of eminence and higher education. Many students of Chemistry (Hons) have, through National selection processes, earned summer research fellowships at the prestigious Indian Institute of Science, Bangalore, TIFR and IISER Kolkatta.
- ZHDC is actively involved in the novel initiative of NII and DU colleges called the ‘Science Setu’ which seeks to bring students in touch with the forefronts of research in Science.
- Students of BA (Hons) Psychology undertake internships at AIIMS. Students are exposed to advancements in their subjects through lectures by experts, seminars, visits and interactions. Some students have also attended the Parliamentary Budget Session.
- Our students also regularly participate in Yuva Meets/Conferences organised by Institutes of Higher learning such as TERI/NII/JNU/Jamia Millia Islamia / Rama Krishna Mission and other think tanks.

Publication of student magazines:

College provides various kinds of support and facilities for publication of student magazines. Students receive financial support and learn editing and planning of magazine publishing. And thereby the College is able to publish 10 magazines annually.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- The College has set up a handmade paper laboratory under the Innovation Project of the University of Delhi in October 2014. Ten undergraduate science students, who were a part of this project, have received three weeks of intensive hands on exposure at Forest Research Institute, Dehradun in making handmade paper from weeds and agro-based wastes. This has a huge social entrepreneurial potential which is beginning to unfold. The initiative is yet nascent for gauging the impact. However, students and teachers of the College are very keen

to learn the technique with a view to make it a small entrepreneurial venture in Handmade Paper products.

- Students have learnt the art of making Bird Feeders at a Workshop organised by *Srishti*-The Nature and Environment Society of the College. As a small entrepreneurial activity they have also been able to sell some of the Bird Feeders during their Annual Festival-*Jamboree*.
- Sewing and stitching classes in Girls Common Room are conducted from 10.00 am to 3.00 pm on all working days.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- **additional academic support, flexibility in examinations**
- **special dietary requirements, sports uniform and materials**
- **any other**

The College provides ample opportunities to the students to develop their talent and participate in a variety of extra-curricular activities. At the time of admission, every student has the option to become the member of any two College societies where students across streams participate. The College promotes holistic development of students and proactively facilitates this process through various societies and clubs mentioned below.

- Arts and Culture Society
- Bio-Scope Film Society
- Career Counselling and Placement Cell
- Chimera (Photography Club)
- Debating Society
- Enabling Unit
- Gandhi Study Circle
- Girls' Association
- Katha Club
- National Cadet Corps
- National Service Scheme
- *Sristhi* - Nature and Environment Society
- Northeast States Counselling and Welfare Cell
- Quiz Society

In addition, every honours student becomes a member of departmental society by virtue of admission in particular discipline. The college has 19 departmental societies which are active throughout the year and organize various competitive events as well as talks, interactive sessions and occasionally seminars as well. Furthermore, students of B.Sc. Life Science and Physical Sciences have their own societies.

Students' participation in various events is facilitated by enforcing following policies and strategies:

- Sports are managed through Department of Physical Education which also provides coaching and training.
- Workshops are conducted by experts in different forms of art such as theatre, music, dance etc.
- Students are sensitized on various social issues such as communal harmony and composite culture, environmental awareness, promotion of the interest of girls through various campaigns/workshops/symposiums/street plays and various competitive events.
- Recognition of students' achievements through various institutional awards on the occasion of Annual Day of the College.
- Training students through various practice sessions for Model UN Sessions and Parliamentary Debates.
- In-house weekly training sessions for budding quizzers to train them for general quizzing abilities and as Quiz Masters.
- NSS wing of the college organizes awareness programs on topical social issues/workshops/street plays /street march/ lectures/dissemination of information through posters/placards/pamphlets.
- Additional academic support for missed classes is provided by the faculty.
- Flexibility in submission of assignments, term papers, projects etc.
- Relaxation in attendance as per university rules.
- Food coupons to sports students as per university allowances during practice days.
- They are also provided sports kits and dresses as required.
- Intercollege competitive events are incentivized by prizes and certificates.

College believes in holistic development of students and has always insisted on participation of students in activities that constitute an integral part of students' education.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

Under the capacity building initiative, the college organizes special classes to help students with the following components of competitive exams.

1. Verbal Ability
2. Reasoning
3. Mental Ability
4. General Awareness
5. Personality Development

Although, there is no structured support systems for preparing students for competitive examinations, the faculty provides ample guidance to students in preparation of competitive exams for entrance to Institutes of higher learning such as JNU/Jamia/LLB/B.Ed./Mass Comm/IISC/ IISER/ IIT/ MBA/ CA/ CS/ICWA/Banking Services and for higher studies abroad. As a result, many of our students cleared the aforesaid exams regularly.

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

The following counselling services are available at college level

Academic:

- Orientation Programmes are organized by the college as well as by different departments for new entrants.
- Students are given guidance regarding syllabus related issues.

Career:

- Students are given guidance in choosing their courses of higher studies, potential areas of their employability and other related matters.

Personal:

- The College has a well structured Faculty Mentor Scheme where a group of students is attached to each faculty member for a close interaction throughout the year.
- Teachers in general and Psychology teachers in particular provide personal counselling to the students.
- Principal, teachers, Career Counselling and Placement Cell and members of different committees are always available for any sort of counselling student need.

Psycho-social

- Psycho-social counselling is provided to the students by teachers of the Psychology Department as well as by Career Counselling and Placement Cell members related to personal, family, health issues etc.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

- The College is having a full-fledged operational Career Counselling and Placement Cell.
- The Career counselling component of the cell caters to the needs of the students for higher learning and actively facilitates this process by interaction and sessions with expert career counsellors.
- Students desirous of placement immediately after graduation are taken care of by the placement component of the cell which organizes regular interaction with potential employers.
- Placement process is also supported by the Facebook page of the cell. The cell makes it possible for the students and the interested companies to exchange their resume and other relevant information through social media.
- After graduation many students go for post-graduation, MBA, B.Ed. or other competitive examinations like SSC and CSE.
- The cell members share information and knowledge with students and help them in choosing their course of higher studies, potential areas of their employability.

- This cell arranges the visit of companies/ business organisations to recruit students from different discipline.
- The cell also provides a platform to the students and the companies to exchange their resume and other relevant information through social media.
- The College also actively coordinates with the central placement cell of the University of Delhi.
- The following business organisations and companies visited the college in the last four years:

Table 5.7: Details of students selected through Campus Placements

Year	Name of the Company	Total No. of Candidates Selected
2016	Qualisys	29
	Vertical Recruiters	
	ICICI Prudential Life Insurance	
2015	Concentrix	47
	Tata Power	
	ICICI Prudential Life Insurance	
2014	Accenture	5
	Protiviti	
2013	Eon Technologies	20
	AdGlobal360 India Pvt. Ltd.	
	iDream	
2012	Bridge Manpower	45

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years

The college has a well constituted Grievance Redressal Cell. The Grievance Committee is active throughout the year. However, duo to the complexity of the admission process, the services of the cell are more sought after during admissions. Complaints are dealt with according to the guidelines issued by the University from time to time.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

Our college has an **Internal Complaints' Committee** which works towards the protection of the security of the girl students as well as lady staff-members of the college. This is a legal body and thus bound by the rules framed under ACT No.14 of Govt. of India (Sexual Harassment of Women at Workplace: Prevention, Prohibition and Redressal Act, 2013). Students are free to come and consult any of the committee members if they face any problem, adverse comment from any person or unwelcome physical approach or even non-verbal conduct by any male student /any staff member of the college. Anyone found guilty is liable for punishment as per rules prescribed.

The committee is active throughout the academic session and organizes debates, poster making and lectures on themes relevant to the committee mandate. The complaints received are dealt

efficiently through a structured mechanism. The complaints are resolved amicably or punitively depending on the severity of the complaint.

The college takes great care to sensitize all freshers at the time of orientation to respect one another irrespective of sex. Our college motto, Live by Love also seeks to instill deep human values in students. Prior to 2014-15, Internal Complaints Committee was known as **College Complaints Committee Against Sexual Haressment**.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes, the College has an active *anti-ragging committee* that works as per the University and UGC policies and norms. Anti-Ragging Committee is active soon after admissions are over and the new session begins and ensures a comfortable socialization of students in the College. To prevent occurrence of any ragging incidents the college has installed a number of CCTVs at various places in the college which deters indulging in ragging activities by students. The college has a zero tolerance policy towards ragging.

No formal ragging case has been reported so far.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

Welfare Schemes:

- Book Bank
- Student Aid (Fee Waiver/Concession) (see Table 5.3)
- Scholarships (Table 5.1 & Table 5.2)
- Medical Attention to Students on campus (Refer to 5.1.4)
- Teachers also contribute towards Student Aid Fund
- Scholarship for SC/ST by the Government.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

As of now we do not have a registered Alumni Association. However, we are shortly going to register this association. Yet on an informal level, many departments and societies have strong contacts with their alumni. These contacts are growing steadily as many departments have created alumni pages on Facebook for interaction with alumni.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed

There is no proper mechanism available to keep systematic record for all the students' progression from UG to PG and further. Therefore, it is difficult to give exact percentage of students opting for higher education or employment. However, an approximate data based on informal interaction with alumni is available for some of the departments.

Table 5.8: Percentage of students progressing to higher education

Student Progression	DEPARTMENTS									
	Arabic	Bengali	Chem.	Eco	Elect	Eng	Hist	Persian	Phil.	Psy.
<i>UG to PG</i>	40-60 %	70 %	70%	70%	70%	50%	10%	40-60%	50-60%	50%
<i>PG to M.Phil.</i>	10 %	--	5%	20%	--	--	--	--	20%	--
<i>PG to Ph.D.</i>	--	--	5%	5%	--	--	--	--	10%	--
<i>Employed</i> • <i>Campus selection</i>	Refer to Table 5.7									
<i>Employed</i> • <i>Other than campus recruitment</i>	NA									

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

The pass percentage of students of various courses is given in the table 5.10. A true comparison of the results of other colleges cannot be done as university does not provide the result of all the colleges.

Table 5.9: Programme wise pass percentage and completion rate

YEAR	2012		2013		2014		2015	
COURSE	Pass %age	Completion Rate	Pass %age	Completion Rate	Pass %age	Completion Rate	Pass %age	Completion Rate
B.A. (P)	94.38%	55.62%	100.00%	59.90%	100.00%	58.33%	100.00%	48.87%
B.Com.(P)	100.00%	65.91%	100.00%	79.31%	100.00%	76.00%	100.00%	56.76%
B.Com (H)	98.73%	97.47%	100.00%	100.00%	100.00%	66.67%	100.00%	58.90%
B.A (H)								
Arabic	72.73%	54.55%	100.00%	100.00%	100.00%	40.00%	100.00%	60.87%
Bengali	100.00%	100.00%	NA	NA	100.00%	50.00%	100.00%	50.00%
Economics	95.24%	80.95%	100.00%	100.00%	100.00%	59.09%	100.00%	44.44%
English	90.48%	80.95%	100.00%	64.71%	100.00%	80.00%	100.00%	51.43%
Hindi	100.00%	93.33%	100.00%	86.96%	100.00%	71.43%	100.00%	54.00%
History	100.00%	95.24%	100.00%	100.00%	100.00%	81.48%	100.00%	43.59%
Persian	100.00%	100.00%	71.43%	71.43%	100.00%	0.00%	100.00%	57.14%
Philosophy	100.00%	87.50%	100.00%	75.00%	94.12%	52.94%	100.00%	38.89%
Pol. Sc.	100.00%	95.59%	100.00%	90.53%	100.00%	72.63%	100.00%	67.35%
Psy	100.00%	86.36%	93.75%	75.00%	100.00%	62.07%	100.00%	72.97%
Skt	100.00%	100.00%	100.00%	57.14%	100.00%	30.00%	100.00%	31.25%

Urdu	100.00%	100.00%	100.00%	86.67%	100.00%	12.50%	100.00%	75.56%
B.Sc. (H)								
Botany	100.00%	64.71%	100.00%	52.63%	100.00%	59.09%	100.00%	82.35%
Chemistry	100.00%	94.59%	100.00%	43.28%	98.70%	50.65%	100.00%	65.17%
Electronics	100.00%	100.00%	100.00%	37.14%	100.00%	41.18%	100.00%	40.63%
Maths	100.00%	100.00%	100.00%	100.00%	100.00%	70.49%	100.00%	49.37%
Zoology	100.00%	83.33%	100.00%	82.61%	100.00%	70.83%	100.00%	59.26%
B. Sc.(Prog.)								
Physical Science	100.00%	57.89%	100.00%	37.04%	100.00%	57.89%	100.00%	31.43%
Life Science	100.00%	55.17%	96.30%	33.33%	100.00%	38.46%	100.00%	63.24%

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

Progression to higher level of education

- To facilitate student the college organizes educational visits to institutes of higher learning and interactions with faculty and scientists there.
- Secondly, faculty provides mentorship to students going for higher education. Individual teachers motivate students through special lectures by eminent scientist / academicians and environmentalists. This often helps them to choose their area of interest.
- In order to expose students to the working of institutes of higher learning they are motivated to participate in summer schools and short-term internships. Many of them also earn national level summer research fellowships.

Progression towards employment

- The college organizes sessions on personality development, communication skills, CV writing, and general preparation for various competitive examinations.
- The college has career counselling and placement Cell to facilitate on-campus and off-campus recruitment of college students by various companies and organizations.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- We give extra academic support in form of one-to-one interaction with teacher.
- During laboratory sessions also the students get the opportunity to interact closely with the teacher and gain competence in laboratory methods.
- Theory classes are usually supported by tutorials. These tutorials also help the students who are lagging behind as they get personalized attention.
- Peers are encouraged to enhance their learning outcome.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

ZHDC has various outdoor and indoor games for the college students.

Outdoor games are:

- Cricket
- Football
- Volleyball
- Basketball (for both, men and women)
- Athletics (for both, men and women)

Indoor Games (for both, men and women)

- Table Tennis
- Carom
- Chess
- Judo

The college sports teams participate in various events organized by the college, University of Delhi and other institutions. The college provides coaching to various sports teams and refreshment is also given to the students as per the guidelines. TA is also given to the students whenever team participates in any event outside the college.

Further, College has following societies which provide ample opportunities to the students for extracurricular activities. These societies follow their program calendar and students actively participate in the activities throughout the year.

- Arts & Culture Society
- National Service Scheme (N.S.S.)
- Girls' Association
- Nature & Environment Club
- Katha Club
- Bio-Scope Film Society
- Debating Society
- Gandhi Study Circle
- CHIMERA: The Photography Society
- National Cadet Corps (NCC)
- Quiz Society (Quintessence)

Table 5.10: Details of activities performed throughout the year by various societies

Society	July-November	Jan- Mar
Arts and Culture	Auditions, Orientation, practice sessions in theatre/music/dance, street plays etc.	Music Workshop, Participation in Inter-College/Inter University Competition
Quintessance	Auditions, Fresher's Quiz, Intra-College Quiz Competition, Inter-School and Inter College Quiz Competition	Inter-College Quiz Competition, Intra-College Quiz Competition, Open General Science Quiz Competition
Debating	Orientalions & Auditions, Fresher's Debate, Intra-College Debate, Collaborative Debates	Orientalions & Auditions, Participation in Inter-College Conventional and Parliamentary Debates, Zakir Husain Memorial Debate
Shrishti-The Nature & Environment Society	Orientation, Inaugural lecture, Awareness Programmes, Workshops/Panel Discussions; Awareness Programmes, Visit to National Park/Wild Life Sanctuary; Awareness Programmes.	Workshops, Participation in Inter-College Events and Festivals, Visit to Bio-Diversity Park
Girls Association	Lecture on Health Related issues by a Gynaecologist, Workshops/Panel Discussion, Self Defense Course by Delhi Police	Talks/Invited Lectures/Panel Discussion, Talent Search
Gandhi Study Circle	Orientation Programme, Visit to Gandhi Smriti and Darshan Samitee and National Gandhi Museum, Street Play	Conference
PHOTOGRAPHY SOCIETY – CHIMERA	Introduction, Freshers welcome, Inaugural function and Basic workshop on DSLR and applications, Coverage of Freshers'	Participation in inter college events , Annual fest of society, coverage of various events organised in the college, Visit to heritage sites and travel sites for photoshoot and film making / Project Work

Under the Arts and Culture society, College Choir presents College *Tarana* in all major functions of the College throughout the academic year. Along with the various societies, college has NSS team which also participates in the various events and also organizes some events. Also, NSS Volunteers are assigned duties during various College events throughout the academic year. The NCC unit of the college remains active throughout the year and participates in various state and national level events. College has enabling unit for physically challenged students which also organize various events time to time.

5.3.2 Furnish the details of major student achievements in co- curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Table 5.11: Sports achievements during last three years**2015-16****FOOTBALL**

Position	Achievement
Winner	Inter College Football Competition
Winner	Zakir Husain Memorial Football Tournament.
Runner up	2 nd Invitational Uth league.
Special Achievements	Four students from our college represented University of Delhi at All India Inter University.

JUDO

Position	Achievement
GOLD	1 student secured 1 st position in Delhi Olympic Judo Championship.
SILVER	<ul style="list-style-type: none"> • 1 student secured 2nd position in Inter College Judo Championship organized by DUSC. • 1 student secured 2nd position in Delhi State Judo Championship. • 2 students (1boy & 1 girl) secured 2nd position in Delhi Olympic Judo Championship.
BRONZE	<ul style="list-style-type: none"> • 1 student secured 3rd position in Inter College Judo Championship organized by DUSC. • 6 students (4 boys & 2 girls) secured 3rd position in Delhi State Judo Championship. • 7 students secured 3rd position in Delhi Olympic Judo Championship.

CHESS

Position	Achievement
Second	In Lady Shri Ram Sports Fest.
Third	In SRCC Sports Fest.

2014-15**FOOTBALL**

Position	Achievement
Third	Inter College Football Competition
Winner	DSA Institutional Football League
Winner	Zakir Husain Memorial Football Tournament.
Winner	1 st Invitational Uth league.

Special Achievements	6 students from our college represented University of Delhi in North Zone & at All India Inter University.
	Pawan Joshi student of our college, represented Delhi Team in Santosh Trophy.

JUDO

Position	Achievement
GOLD	<ul style="list-style-type: none"> 2 students secured 1st position in NSUI Judo Championship. 2 students secured 1st position in Delhi State Championship.
SILVER	<ul style="list-style-type: none"> 1 student secured 2nd position in NSUI Judo Championship. 3 students secured 2nd position in Inter College Judo Championship organized by DUSC.
BRONZE	<ul style="list-style-type: none"> 2 students secured 3rd position in Inter College Judo Championship organized by DUSC. 1 student secured 3rd position in Delhi State Judo Championship.

CHESS

Position	Achievement
Fourth	Team secured fourth position in Inter College Chess Competition.

TAEKWONDO

Position	Achievement
3rd Position by a student	Inter College Competition.

2013-14

FOOTBALL

Position	Achievement
Runners up	Inter College Football Competition
Winner	Zakir Husain Memorial Football Tournament.
Special Achievements	Four students from our college represented University of Football team which secured 3 rd in North Zone Inter University Football Championship at Kurukshetra and 3 rd in All India Inter University Championship in Kerela.

JUDO

Position	Achievement
3rd Position by a student	<ul style="list-style-type: none"> Delhi State Competition Inter College Competition.

JUDO Special Achiever:

Danish Sharma	<ul style="list-style-type: none"> 3rd Position in All India Inter University Judo Competition at Amritsar, participated in All Indian Judo Championship at Himachal Pradesh. 3rd position in All India Open Judo Championship at Haryana. 2nd position in Senior National Kurash held at Rohtak. 1st position in 81wt category & 1st position in 100+ wt category in Inter College Judo competition. 3rd position in Inter college taekwondo competition.
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TAEKWONDO

Position	Achievement
Third	<ul style="list-style-type: none"> 2 students secured 3rd position in Inter College Competition.

Table 5.12: Achievements of the Debating Society (2015-16)

Date	Event and Venue	Achievements
September, 2015	The Great Debate (Sri Venkateswara College, British High Commission)	Best Team from Pool B. Selected amongst top 4 teams from Delhi University
	Intra College Debate	Best Team, Runner Up, Best Interjector
October, 2015	Intra College Debate in collaboration with the Gandhi Study Circle	Winners Runner-Up
	Knockout Parliamentary Debate, Kalindi College	Winners, Best Speaker, Second Best Adjudicator
	SRCC Freshers Conventional Debate	Team Participation
	Baskharacharya College of Applied Sciences Conventional Debate	Zakir Husain College got a Special Mention
January, 2016	NSS Conventional Debate, Zakir Husain College	Best Speaker. Interjection Prizes
	Knockout Parliamentary Debate, Symbiosis Law School Noida	Winners

February, 2016	National Conventional Debate, SGS P.G. Institute of Science, Dehradun	3 rd Best Speaker
	Group Discussion, Chemistry Department, Zakir Husain Delhi College	First Prize. Second Prize.
	Conventional Debate, Motilal Nehru College	Best Interjector
March, 2016	Shradhanand Debating Fest, Shradhanand College	Finalists
	ARSD Annual Inter College Conventional Debate, ARSD College	Best Team , Best Speaker, Appreciation Award

Table 5.13: Achievements of QUINTESSENCE- The Quiz Society

2015-16				
S.No.	Competition/Festival	Event	Institute/Venue	Position
1.	--	Science Quiz	Hansraj College	I
2.	--		Daulat Ram College	II
3.	--	Ecology Quiz	Shivaji College	I
4.	--	Business Quiz	JDM College	I
5.	--	Business Quiz	Jamia Millia Islamia	II
6.	--	Business Quiz	Dr.Bhim Rao Ambedkar College	II
7.	--	D. A. P. J. Abdul Kalam Quiz	Dr.Bhim Rao Ambedkar College	II
8.	--	College General Quiz	Cluster Innovation Centre, Delhi University	I
9.	Avalanche	General Quiz	UCMS	I
10.	Cannot Place 2016	Open India Quiz	Delhi Quizzing Festival	I
11.	Dharohar-2016	Quiz	Delhi College of Arts & Commerce	I
12.	Illume	India Quiz	Sri Ram College of Commerce	II
13.	Quizotic	India Quiz	St. Stephens College	I
14.	Spartacus-16	Politics Quiz	Ramjas College	I
15.	Tempest 2016	Indian History & Mythology Quiz	Miranda House	I
16.	World Quiz 3.0	World Quiz	Youth Forum on Foreign Policy, Guwahati	II
2014 – 15				
1.	Pulse 2014	India Quiz	All India Institute of Medical Sciences	I
2.	INTACH Quiz	Heritage Quiz	INTACH/ Miranda House	II
3.		India Quiz	Gargi College	I
4.	Gandhi Bhawan Quiz	Gandhi Quiz	Gandhi Bhawan	I
5.		General Quiz	PGDAV	I

6.		Botanical Quiz	Kirori Mal College	I
7.		Business Quiz	DTU	II
8.		Arts & Culture Quiz	Gargi College	II
9.		Gandhi Quiz	SRI SRIM University	I
10.		Business Quiz	SBS College	II
2013 – 14				
1.	MAMC Fest	Biz Quiz	Maulana Azad Medical College	II
2.	MAMC Fest	MAMC Quiz	Maulana Azad Medical College	I
3.		History Quiz	Jesus & Mary Quiz	I

Table 5.14: Achievements in the field of Arts and Culture

S.No.	Activity	2016	2015
1	Music	<p>Winner- IIT Delhi Fest 2015, Music at Shakespeare Society of India Drama Competition 2016, Kirorimal College Fest 2016.</p> <p>Runner Up- Beatbox Competition at Gargi College 2016.</p> <p>2nd Runner Up- Beatbox Competition at PGDAV College 2016</p> <p>Participation- Hindi Mahotsav 2016, Taarunya 2016. Annual Music Workshop "Ta Na De Re Na" 2016, Adaab Cultural Fest 2016, Girls Association Annual Fest 2016</p>	<p>Winner- Sanskrit ShlokaSangeet at Delhi Sanskrit Academy 2015</p> <p>Runner Up- Beatbox Competition at Thapar University 2015, Instrumental Duet at IIT Delhi 2015</p> <p>4th- Sanskrit Qawwali Singing Competition 2015</p> <p>Participation- Colour of Youth (MTV Channel) 2015, Raahgiri at CP 2015, Bazm-e-Ghazal 2015</p>
2	Theatre	<p>Winner- Shakespeare Society of India National Drama Competition 2016 Best Play, Best Production, Best Actor</p> <p>Mono Acting Competition at Oculus'16 Swami Shradhanand College - Among Top 8 out of 36 teams at Josh Vihangam, National Drama Competition organised by Jamia Millia Islamia 2016, Performance at Shakespeare Lives 2016 on the invitation of Shakespeare Society of India at British Council.</p>	<p>Annual Drama Workshop "TajMahalkaTendor" 2015 (assistance to production). Annual Theatre Workshop 2015. 6th among 225 participants at Mood Indigo, IIT Bombay Fest 2015.</p>
3	Psychology	<p>Mental Health Foundation- Co-ordinator for Kirti Nagar Slum Area, Participated in IIC-AIIMS Mental Health Series Discussion</p>	<p>Psychology- Runner Up in 'Caption If competition in 'Psychedelics' 2015, Runner Up at Quiz Competition</p>

Our college NCC team brings various laurels to the college by participation in various events.

Table 5.15: Number of students from NCC selected during last four years for their achievements

S NO.	NAME OF CAMPS AND EVENTS	NO. OF CADETS			
		2012-13	2013-14	2014-15	2015-16
1.	Pre-Republic Day Camp & Republic Day Camp	10	6	10	5
2.	All India ThalSainik Camp	3	3	4	2
3.	Army Attachment Camp	15	23	18	20
4.	Chief Minister Rally	8	10	4	8
5.	Advanced Leadership Camp	2	3	2	1
6.	Prime Minister Rally	6	20	16	23
7.	Amar Jawan Jyoti	17	12	17	3
8.	Combined Annual Training Camp	-	-	30	85
9.	All India Trekking Camp	11	12	13	5
10.	National Integration Camp	18	42	4	12
11.	Para Slithering	1	3	2	3
12.	Annual Training Camp	40	60	40	20
13.	Camel Safari	1	1	1	1
14.	Snow Skiing	3	-	1	1
15.	Mounteering	-	1	-	-
16.	Blood Donation	20	15	8	10
17.	Special National Integration	6	6	-	2
18.	World Cancer Day	-	-	8	10
19.	Yoga Day	NA	NA	NA	85
20.	Indian Military Academy	-	1	-	-
21.	Swacch Bharat Mission	NA	NA	NA	80

Table 5.16: Details of activities conducted by NSS

2011-12
A Free Eye Checkup Camp was organized with the help of Dr. Shroff Eye Hospital, Darya Ganj. More than 250 faculty and students benefited from this.
One student selected for a 10 days Pre-Republic Day Camp conducted by the Ministry of Sports and Youth Affairs held at Modi Nagar.
2013- 14
One student selected for the NSS Mega Cultural Camp at Bangalore University
One student selected for the Pre Republic Day Camp at Mohali, Chandigarh
One student selected for the International Volunteer Day Program held in Delhi.
2014 – 15
Two students were selected for the Pre-Republic Day Parade.
Two students were selected and participated in the Nineteenth National Youth Convention and Festival by the Government of India, at Guwahati, Assam.
The Swachh Bharat Abhiyan initiated by the Government of India was carried forward by organizing regular cleanliness drives, especially during Students elections week.
2015-16
A Health Awareness Programme with special reference to Dengue was organized during October, 2015. It received extensive coverage from media including DilliAajTak.
One student selected for the Pre-Republic Day Camp from September 25 to October 4, 2015; the training for which took place at Sikar, Rajasthan.
Two NSS volunteers were selected for the 20 th National Youth Festival, 2015 organized by Ministry of Youth Affairs & Sports, Govt. of India at Raipur (Chhatisgarh) from 12 th to 16 th January, 2016.
In January, 2016 “Taarunya’16”, the first ever Two- Day National Youth Convention was organized to mark the National Youth Day on the birth Anniversary of Swami Vivekananda. The event received a wide coverage in media.
During January end, Oil Conservation awareness programme was organized in association with Petroleum Conservation Research Association (PCRA). NSS volunteers promoted the Use Public Transport campaign.

Table 5.17: Achievements of photography society- Chimera

2014
One student won an award at Antardhwani, Delhi University's Annual Festival.
One student won an award at Hansraj College for participating in a photography competition that was held by the commerce society of Hansraj College
2016
One student won an award at Daulat Ram College in a photography competition and got the title of "creative bent" that was organised by the Economics Society.

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The college has obtained feedback data from class representatives in the year 2015 from all departments. The data reflects that college maintains absolute cleanliness on the campus and scores very well in core teaching ability. However, the following areas need more attention viz., laboratory equipment, book resource, sports etc.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/materials brought out by the students during the previous four academic sessions.

The College involves students to contribute in and also edit annual college Magazines.

- They are motivated to contribute articles/poems/Quizzes/Riddles/Crosswords/Amazing Facts
- Contributors express their creativity through their art work/ caricatures
- Students are encouraged to write cover stories on important issues
- From time to time they are asked to interview eminent personalities for a featured story
- As editors, they write editorial columns and are responsible for editing the manuscripts
- Copy-editing and designing are also an integral part of the publishing which students learn in this process.
- Departments of Chemistry, Botany and Political Science are running fortnightly wall-magazines for which students selects the theme and prepare articles and poster for display.

List of Magazines published by the college

- 1) SPECTRUM (The Annual science magazine published jointly by five science departments),
- 2) BARNOMALA (The Bengali Literary Society)
- 3) FIKR-E-NU (Urdu Department),
- 4) RAMBLER (English Department),
- 5) RASHMI (Hindi Department),
- 6) WORLDCOMM (Commerce department),
- 7) RISE (Economics Department)
- 8) AVAAZ (Political Science Department)

9) SHRISHTI (Nature and Environment Society)(started from 2016)

10) Psynapse (Psychology Department) (started from 2016)

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Yes the college has a Student Council known as the Students Union.

Selection and Constitution

- The selection is through an election process carried out strictly in accordance with the University of Delhi Constitution.
- All bonafide students of the college vote and elect their representatives to four posts, namely, President, Vice President, Secretary and Joint Secretary. In addition to these four posts, two members are elected for the DU Central Council.
- Voting is done through EVM provided by the University.
- Students also vote to elect DUSU office bearers.

Activities

The Students Union organizes the following functions

- Freshers' Take Off
- AADAB- the annual cultural festival of the college
- Annual Sports Meet
- Awareness Campaigns on topical social themes through marches

Along with these functions, the Student Union also takes up the issues pertaining to student problems with the Principal.

Funding

An amount of Rs.100/- is collected from each student at the time of admission. A proper financial head is maintained by the college for disbursal and utilization of the fund.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

- Departmental Societies: Every department has a society to organize various events in the respective department. These societies function through the student executive body.
- Cultural Societies: Quiz Society and Nature and Environment Club have student executive body.
- Editorial board of the Departmental magazine.
- Grievance Redressal Committee: Formed under UGC rules.
- College Complaint Committee: Formed (under Ord-XV-D) up to Dec.2013.
- Culture Council of Delhi University
- Internal Complaints Committee: Since 2014.
- Internal Quality Assurance Cell
- Duly elected Student Union

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution. Any other relevant information regarding Student Support and Progression which the college would like to include.

As of now we do not have a registered Alumni Association however we are shortly going to register this association. Yet we have strong informal ties with our alumni. Many departments have created alumni pages on Facebook for interaction with alumni.

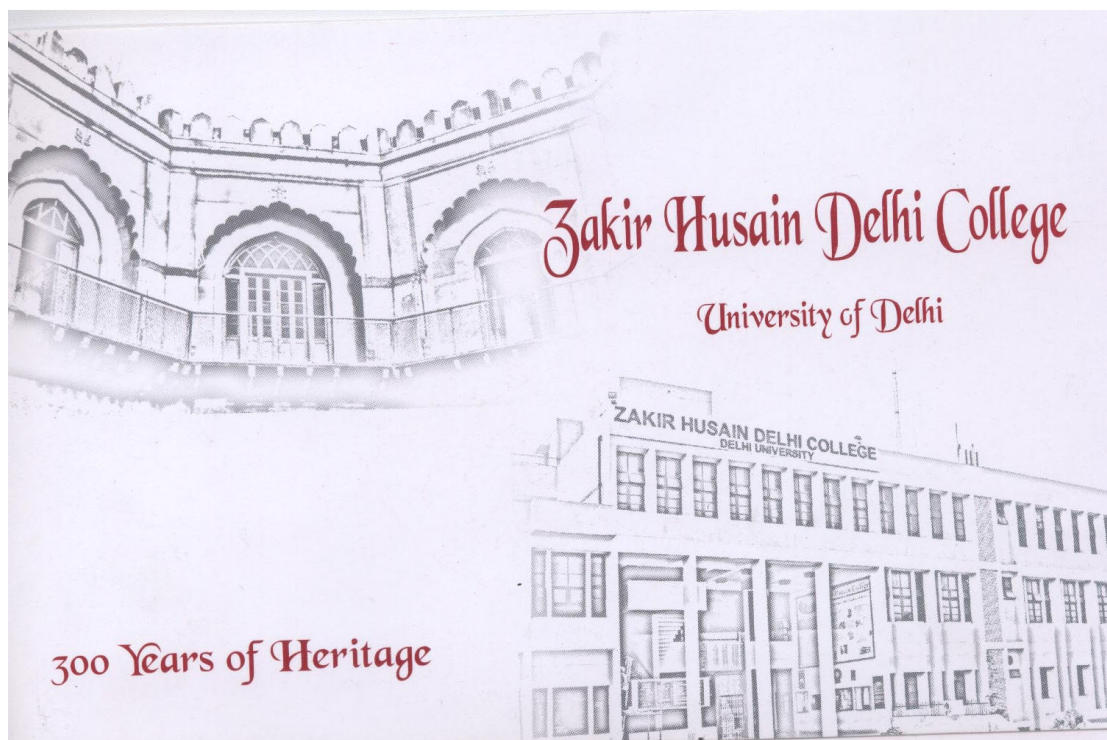
The college is having a strong association with former and retired faculty members. We nurture this bond through regular interaction at Staff Association annual dinner, Annual College Convocation, Zakir Husain Memorial Lecture, Delhi College Lecture series, cultural programmes of the college and faculty retirement functions.

Mentoring scheme has been in place which aims to guide student as to various issues and support them for progression. Faculty Mentor Scheme is a unique USP of the College initiated in 2008-09. Under the '**Faculty Mentor Scheme**' each student admitted to the college is attached to one faculty member who acts as his/her guide and councillor for their entire period of stay in the College. Students are encouraged to discuss any issues or problems with their faculty mentors.

CRITERIA- WISE INPUTS

CRITERION-VI

Governance, Leadership and Management



6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Zakir Husain Delhi College is arguably the oldest educational institution in North India. Its origin lies in the Madarasa Ghaziuddin, dating back to the late eighteenth century. During its journey of more than three centuries it has constantly reinvented itself keeping in mind the changing needs of society. After being closed down in 1947 due to the disturbed conditions in Delhi, it was revived shortly after Independence.

Right from its inception, the College has encouraged modern education, particularly Humanities, Sciences and Mathematics. An integral part of the Delhi Renaissance, the College has adopted a holistic approach to education through a harmonious blend of the modern with the traditional.

Zakir Husain Delhi College is committed towards:

- Inculcating a scientific spirit, along with a humanist approach among the students.
- Encouraging and supporting the underprivileged and socially disadvantaged students, particularly girls from the walled city.
- The College's motto "Live by Love" is a guiding principle, and students from different communities and regions participate in all curricular and co-curricular activities in a co-operative spirit. Thus, the College believes in creating an environment, which promotes harmony and diversity along with a sense of healthy competition among the students.
- A lot of importance is given to value-based education and the College strives to help create mature minds and hearts, and a sense of belonging to the institution.
- The College believes in instilling a sense of responsibility in the students, especially towards the society, the environment, the nation and the world at large.
- It tries to inculcate an understanding of the past in its students, with a futuristic vision, so that the students are equipped enough to competently handle the challenges of the modern world.
- The College strives to provide all its members platforms for intellectual growth, and democratic and creative expression.

6.1.2 The role of the top management, the Principal and faculty in design and implementation of its quality policy and plans.

Zakir Husain Delhi College is a constituent college of the University of Delhi, and is subject to the relevant statutes and ordinances and other guidelines framed by the University Grants Commission and the University of Delhi.

The Governing Body, appointed by the Zakir Husain Memorial Trust, (the Trust is headed by the Prime Minister of India), along with the Member Secretary (Principal) and two teachers' representatives take decisions pertaining to the College's plans for implementation of quality checks and development and expansion of academic programmes and infrastructure. The G.B has constantly tried to improve academic and infrastructural standards of the College by supporting research activities of teachers, sanctioning funds for better and more effective

teaching methods, and taking the initiative for getting funds sanctioned by the HRD Ministry/UGC for the construction of the new block.

The qualitative and quantitative assessments for the students are carried out by the Academic Supervisory Committee, appointed by the Staff Council, led by the Principal (Chairman). Issues related to effective teaching, monitoring of student assessment, and policies for offering the maximum possible choices of papers to students in the CBCS program are debated in the Staff Council. The committees constituted by staff council such as Time Table committee, Library Committee, Students Union Advisory Board, Proctorial Board, Canteen Committee, Student Aid Committee, Staff Requirement Committee, Admission Committee, National Service Scheme (N.S.S.), Arts & Culture Society, Girls' Association, after due deliberation implement quality plans and policy designs as suggested by higher authorities. Besides these committees, there are other committees, societies and clubs in the college for the successful implementation of college plans and policies.

As per the NAAC guidelines, the College has reconstituted the Internal Quality Assurance Cell in April, 2016. The primary role of the Cell is to set up systems for the assessment of academic standards and help implement these systems in different departments. While student feedback is not as yet mandatory according to University guidelines, it was felt that students as primary stakeholders must be involved in the task. The IQAC will also frame and recommend policies pertaining to the effective implementation of timetable, moderation of internal assessment and promotion of research activities of the teachers.

6.1.3 What is the involvement of the leadership in ensuring:

- **the policy statements and action plans for fulfillment of the stated mission**
- **formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

The College moved to its present premises in 1986-90 from the old historic building at Ajmeri Gate. The modern campus enabled better facilities for teachers and students and a significant expansion in student intake. The College has 19 departments, the largest number for any constituent college of DU. These departments expanded when the College shifted to the new campus, bigger laboratories were made available, science teachers were provided individual cubicles and a small playground for multiple purposes was also developed. However, with the 50 percent increase in student intake after the introduction of OBC quota, the College faces a space crunch. The Governing Body and the Principal have been very active in planning and executing the building of a new block, seeking funds from the UGC and the HRD ministry and getting the required approvals as quickly as possible.

The College has been responsive to the rapidly changing expectations of youth in a globalized world. Since 2013, the curriculum changes have provided students with a greater flexibility in opting for courses outside their core area of specialization. Within the given limitations, students have been offered the widest possible choice of courses. The interdisciplinary approach has also been adopted by the teaching faculty. Teachers from various departments have come together to teach some of the new courses such as Human Rights, Gender and Environment– a Foundation course. Given the high demand for professionally oriented courses, a new Department of Electronics was constituted in 1989.

The college attempts to fulfil expectations of all the stakeholders – the students, the teachers, the University, the parents and society at large, by nurturing an environment of excellence and providing a holistic education.

6.1.4 The procedures that have been adopted from time to time by the Institution to monitor and evaluate its policies and plans for effective implementation and improvement.

There are various bodies that plan, execute, monitor and evaluate plans and policies with regard to all functions (academic, co-curricular, administrative) of the College. These bodies are

- The Governing Body
- Staff Council and its Committees
- Departmental Societies
- Extra-Curricular Societies and Clubs

The policies are monitored and evaluated through various departments and committees of the College, and teachers-in-charge, coordinators or advisors from amongst the staff; under the guidance of the Principal. There is a constant and continuous system of meetings, policy formation and lay out of plans by each committee and department, along with the involvement of students. These result in the effective functioning of the College.

6.1.5 Give details of academic leadership provided to the faculty by the top management

The top management of the College inculcates leadership qualities among the faculty members to keep them motivated and boost their morale. Some of the measures adopted are as follows:

- The top management comprises of the Governing body with Principal as its member secretary. Governing Body of the College provides a supportive role whereas the Principal is the academic and administrative head.
- Teachers are encouraged to undertake career advancement and hence are sanctioned study leave for pursuing PhD and Post Doctoral research as per the University guidelines.
- Academic standards are maintained by encouraging the faculty members of various Departments to organize Seminars/Workshops/Conferences on issues of contemporary relevance.
- College has organized several conferences and workshops in the last four years the list of which has been provided in criteria III.
- All infrastructural and logistical support is given to the faculty members for organizing these events.
- Teachers are also encouraged to conduct research and take up independent Research Projects based on their area of specialization and interest.

- The top management appreciates and encourages the academic and research endeavours of the faculty. All their achievements are acknowledged on the occasion of the Annual Day of the College.
- Teachers-in-charge lead departments by coordinating the work of the entire department and organising the major academic and extra-curricular events with the support of all colleagues and students of the Department as a team.
- Convenors and members of all the Committees/Societies/and Clubs organize various academic and cultural events which showcase their organizing skill and leadership talent. These efforts are appreciated and supported by the top-management of the College.
- The top management also encourages teachers to attend various Orientation and Refresher Courses and other training and faculty development programmes which help in their career advancement and progress.
- In order to enhance the administrative and leadership qualities, the college supports the initiative of the teachers to join the University on deputation on various administrative assignments such as OSD Examination, Deputy Dean, etc.

6.1.6 How does the college groom leadership at various levels?

College promotes leadership qualities and grooms its staff and students through the following means:

- Governing body together with the Principal tries to create a conducive work environment. This is achieved by decentralization of tasks and entrusting teachers, non-teaching staff and students with various responsibilities including organisation of events and administrative work.
- The Bursar of the College is an important functionary of the College appointed by the Governing Body from amongst the faculty members. He / She are the financial administrator of the College responsible for taking major financial decisions and managing the funds available in the best possible manner.
- The Staff Council is a statutory body which plays a significant role in the democratic functioning of the college. Its activities are guided by the ordinances of University of Delhi. Minutes are recorded and circulated to all members on a regular basis. As the Chairman of the Staff Council, the Principal conducts its meetings. His leadership qualities are well observed in each of these Staff Council meetings.
- Secretary of the Staff Council is elected from amongst the faculty members to assist the Chairman in the conduct of its meetings and the implementation of the decisions thereof. Effective conduct of these meetings depends upon the style and leadership skills of both the Chairman and the Secretary of the Staff Council.
- Several committees are constituted through the Staff Council. Teachers participate in these committees as convenors or members. They are expected to deliberate on various issues related to each of these committees and try to reach a decision on the basis of consensus.
- Deputy Superintendent of the Examination and Coordinator of the Practical Examinations are groomed by the College who then exhibit their leadership qualities in the smooth conduct of University examinations—both theory and practical exams.

- The College has been functioning as an Evaluation Centre of the University of Delhi for the last few years for some subjects. Coordinator and Deputy Coordinator of the Evaluation Centre have to exhibit leadership qualities to ensure proper scrutiny of the answer scripts and timely declaration of results as per the academic calendar.
- The College also has a Nodal Officer for SC/ST/OBC to ensure parity in matters of employment. The SC/ST/ and OBC Observer is a part of all Selection Committees for all ad-hoc and permanent appointments. He/She makes sure that no candidate is discriminated against in matters of selection.
- All teachers have to mandatorily take up the responsibility of teacher-in-charge of the department on a rotational basis. This gives them an opportunity to execute their departmental activities and exhibit leadership qualities.
- Departmental as well as various other societies organise several workshops, seminars and other academic events for which a certain budget is allocated. Planning, execution and financial management for these events is another method of grooming leadership among the staff and students.
- In the pursuit of holistic development students are made the office bearers of Departmental Societies, and other College Committees meant for extra-curricular activities.
- Students from each class elect their Class representatives. They act as an interface between the students, faculty members and the administrative staff. They are encouraged to take additional responsibilities which help them develop leadership qualities.
- The Student Union members, apart from being the office bearers of the Union of the College, are also Central Councillors of the University Union. These positions carry the responsibility of identifying problem areas, holding discussions, and reaching consensus amicably with the administration and eventually getting the decisions implemented.
- NCC wing provides ample opportunities to develop leadership qualities among the students along with the responsibility of unity and discipline. The zest of learning and hard work to prove oneself is an integral part of a cadet's life which not only aims at enhancing one's strength in various spheres of adventure but also in becoming a better civilian.
- Students of the NSS wing of the college put up help desk during admission and also contribute in maintaining discipline during various College events. The NSS students also organise outreach programs, workshops and camps and thereby develop their organisational and leadership skills.
- Students are also groomed and encouraged to show their leadership and organising qualities as Debators/Quiz Masters/Comperes and Anchors of various intra and inter College events.
- Grooming of leadership is extended to non-teaching staff as well. They also participate in several College events like admissions, Annual Day, Convocation, Conferences, Seminars and Workshops. Participation in such events helps them gain a lot of self confidence thereby instilling leadership qualities. They are also members of some statutory bodies of the College such as the Internal Complaints Committee, where they contribute in decision making.

- The Public Information Officer, appointed as per the RTI Act 2005 also shows leadership and administrative qualities while disclosing information to the applicants.
- Both teaching and non-teaching staff of the College have their respective associations for which they elect the Office bearers. The Office bearers represent their members and act as an interface between the staff and the top management. These associations provide an opportunity to the staff to show their leadership skill and talents in solving some of the conflicts and disagreements that may arise from time to time.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

The College has a healthy work culture of democratised decision making. This helps in maintaining a decentralised system of governance and provides operational autonomy to various Departments and institutional units. This is done through following mechanisms:

- Governing Body of the College approves the major decisions related to academic, administrative and financial matters. It gives complete autonomy to the Principal for the execution of its decisions.
- Principal is the administrative head of the College and responsible for executing the decisions of the Governing Body/Staff Council/and various Committees as per the University guidelines.
- Bursar of the College though appointed by the Governing Body has full autonomy to manage the financial resources as per the University and UGC guidelines.
- Principal being the academic and administrative leader delegates various tasks and responsibilities to various committees and staff members. Some of these committees are constituted through the Staff Council and others are nominated by the Principal keeping in mind the overall interests of the college.
- Each of these Committees is granted operational autonomy for the conduct of its business. The top management seldom interferes with its working except in cases of major irregularities.
- Every department has a Teacher-in-Charge appointed on an annual rotational basis for a period of one year. The Teachers-in-Charge along with other faculty members of the department ensure smooth functioning of the departmental activities. Based on the broad principles and the character of the College as well as ground realities, various activities are planned and executed by the Teacher-in-charge.
- In the Science Departments even the non teaching staffs like Senior Lab Assistants supervises the day to day activities e.g., cleaning, purchasing and stock taking and maintaining. This is done in coordination with the Teacher-in-Charge. Thus, it becomes a miniature replica of decentralized system of governance where departmental administration, finances and academics are taken care of by TIC and SLA.
- Office Bearers of the Students Union are also given operational autonomy for their activities, subject to values, customs and norms of the College and guidelines of the University.

6.1.8 Does the college promote a culture of participative management? If yes, indicate the levels of participative management.

The College promotes a culture of participative management which is reinforced at various levels through the collective endeavours of various stake-holders. Some of them are as follows:

- For an effective participation of the teachers in the decision making process, two teacher representatives are nominated to the Governing Body of the College.
- Chairman of the Governing Body is a part of all Selection Committees held for the permanent appointments in the College.
- Appointment of teaching and non-teaching staff on a permanent basis, Audit Report of the College and decisions of all the Staff Council Committees are reported to the Governing Body of the College which approves it in its regular meetings after consultation with all the members including the Principal of the College.
- All major administrative decisions are taken in the Staff Council of the College on the basis of mutual consultation and consent of all the teaching fraternity and the Principal.
- All Staff Council Committees are constituted on the basis of mutual consultation and consensus of all the faculty members (as per the Table given below).
- Administrative functioning is facilitated by participation of teaching and non-teaching staff in a coordinated manner.
- Bursar is appointed by Governing Body of the College on the recommendations of the Principal.
- Teacher-in-charges (TICs) are appointed on rotation for an academic session on the basis of seniority. All TICs work in close cooperation with their respective departmental colleagues in preparation of time-tables and its implementation throughout the academic sessions.
- Each Department has a Departmental Society which is constituted by a teacher and student representatives. In some cases office bearers are nominated by the teachers and in others they are appointed after direct elections.
- These Office bearers are expected to work in consultation with the TICs or convenor of the Society, as the case may be, for organising various academic and extra-curricular activities of the Department.
- College publishes ten Magazines where the student editors handle the entire process of editing and publishing them along with a Staff Advisor from the faculty.
- The Students Union works in consultation and collaboration with Student Union Advisory Board and organizes several major functions such as Freshers' Take-off, Adaab (Annual Cultural Festival) and the Sports meet.
- Superintendent and Deputy Superintendent for the University examinations are appointed from amongst the teachers for the smooth conduct of examinations. All teaching and non-teaching staff members work whole-heartedly to ensure strict adherence to University guidelines in the conduct of these exams every semester.

- The coordinator and Superintendents for practical examinations are also appointed by the Principal for conducting science practical examinations.
- For maintaining transparency and accountability, a Public Information Officer has been appointed under the provisions of RTI Act 2005. Appeals as per the RTI Act can be made to the Appellate Authority—which is the Principal of the College.
- On the financial front, the College has internal auditors, besides statutory and CAG auditors who continuously monitor and provide their feedback on effective utilization of financial resources.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Though a formal quality policy does not exist in documented form, various committees appointed by the Staff Council strive to maintain the highest standards of academic excellence.

- **Academic Supervisory Committee:** The Committee is responsible for maintaining high academic standards in the College. It ensures implementation of time-tables, allocation of optional papers and maintains student strength per section in accordance with University guidelines.
- **Staff Requirement Committee:** The Committee assesses the requirement of teaching staff at the beginning of each semester taking into account the workload of each department, student's strength and teachers on leave. The Committee also works out which posts are reserved in which category according to University guidelines on reservations. Its recommendations are then accepted and appointments are made by duly constituted Selection Committees.
- **Time Table Committee:** The Committee prepares the general time-table for the entire College as per the University guidelines. There is a sub-committee which looks after the Science time-table. Teachers-in-charge are responsible for making their departmental time-table. Time tables are distributed to the teachers and uploaded on the College website before the Semester begins.
- **Proctorial Board:** The Proctorial Board is vested with the powers to investigate cases of indiscipline and recommending appropriate disciplinary action against students who are found guilty. The Board remains vigilant during various College events such as Student's Union functions, Student's Union Elections, Annual Day and before festivals like Holi and Diwali to prevent any untoward incident.
- **Equal Opportunity Cell and Enabling Unit:** The Equal Opportunity Cell of the College addresses the concerns of the marginalized sections of the society especially those belonging to the SC/ST/OBC/PWD groups for ensuring an equitable and harmonious work environment. The Enabling Unit-Hum Honge Kamyab-for the differently abled has been a fully functional body in the College since the implementation of XI UGC financial plan and has addressed the special needs of the differently abled students. College has made suitable modifications in its existing infrastructure under the XI financial plan.

- **Anti Ragging Committee:** The College has an active anti-ragging committee that works as per the University and UGC policies and norms. Anti-Ragging Committee is active soon after admissions are over and the new session begins and facilitates the socialization of students in the College. To prevent the occurrence of any ragging incident the college has installed a number of CCTVs at various places in the college which acts as a deterrent. The College has a zero tolerance policy towards ragging.
- **Internal Quality Assurance Cell:** IQAC has been established as per the norms of the NAAC for performance assessment, monitoring and review of quality standards in the College. The first IQAC was constituted in February 2015. It has been reconstituted in April, 2016.

The college also maintains high standards in co-curricular activities by providing ample opportunities to the students to develop their talents and participate in a variety of competitive events. This process is facilitated through various societies and clubs:

- Arts and Culture Society
- Bio-Scope Film Society
- Chimera (Photography Club)
- Debating Society
- Gandhi Study Circle
- Girls' Association
- Katha Club
- National Cadet Corps
- National Service Scheme
- Nature and Environment Society
- Northeast States Counseling and Welfare Cell
- Quiz Society
- Sports

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

1. Infrastructure Development:

The College has a Building Maintenance Committee to supervise, repair and renovate the existing building. However, with the increase in the number of students over the last decade both in the morning and the evening college, the existing infrastructure is clearly inadequate. The college plans to create additional infrastructure for its existing and future needs.

- Construction of a new building in the existing campus at an estimated cost of Rs 68crore is on the perspective plan for development. The construction of building is due to start soon. The new building will have well equipped modern classrooms with a larger capacity and equipped with latest technologies, audio-visual facility, LCD projectors and good acoustics.
- Additional class rooms will be provided for lectures, tutorials; and student enrichment courses.
- Since course syllabi is revised frequently by the university, modern laboratories and new equipment need to be set up in the college. Almost all science departments face a space

crunch and need a large space to set up new laboratories, museums, and install new equipment. Keeping in view this demand, few science departments as well as other departments which also need spacious laboratories will be accommodated in the new building.

- Facilities like large seminar room, a conference room, common staff room, teachers' enclosures, research laboratories, activity rooms etc will be added in the new building.
- Existing facilities related to student counselling, career counselling, health centre, practice rooms for arts and culture students, literary activities, NSS and NCC activities, and innovation research projects will be expanded and provided additional space. .
- The college expansion plans also include making the building friendly to differently abled students and make it a fully accessible and barrier free campus. It will include tactile flooring, ramps, escalators, elevators, special toilets and a separate unit equipped with special software and latest technologies installed in the existing library.

2. Faculty Development:

- In consideration of the needs of CAS under Performance Based Appraisal System (PBAS), College encourages faculty members to attend and participate in various Refresher Courses/Orientation Course/Faculty Development Programs/Research Methodology Courses/Summer Schools/Winter Schools and other training programs.
- College encourages teachers to undertake independent and collaborative research projects for knowledge building as well as career enhancement. These projects are funded by various institutions such as UGC, ICSSR, ICHR, ICPR, DST, CSIR, and University of Delhi.
- All nineteen departments of the college plan to organize seminars, workshops and special lectures in the academic session 2016-17.
- The College supports teachers who wish to avail leave for their academic progress and enhancement.

3. Student Enrichment and Skill Enhancement:

- As per UGC XI Plan Grant for capacity building, classes were organized by the College to develop skills that are common to most competitive exams:
 - Verbal Ability
 - Reasoning
 - Mental Ability
 - General awareness
 - Personality development
- The College has also launched a skill development programme, a certificate course in 'Diet Assistant' in collaboration with Max Institute of Health Education and Research (MIHER) as the training partner.
- Currently a batch of 21 students is undergoing training for Diet Assistant course. This programme has been launched under the University of Delhi- National Skill Development Corporation (DU-NSDC) initiative.
- The College is actively involved in the joint novel initiative of National Institute of Immunology and University of Delhi colleges called the "Science Setu" which seeks put bring students in touch with the latest research in Science.

- Computer Literacy Course, Certificate Course in Urdu, English Speaking Course and Russian Language Course have also been offered to students from time to time and the college intends to make them regular depending upon student response. Short term computer literacy course is for girls who have passed out from the college and belong to minority community.
- The College has set up a handmade paper laboratory under the Innovation Project of the University of Delhi in October 2014. Ten undergraduate science students, who were a part of this project, have received three weeks of intensive hands on experience at the Forest Research Institute, Dehradun in making handmade paper from weeds and agro-based waste. A two day workshop on June 16-17, 2016 was organized for the students and teachers of the College who are very keen to learn the technique with a view to making it a small entrepreneurial venture in Handmade Paper products.
- Students have learnt the art of making Bird Feeders at a Workshop organized by Srishti- the Nature and Environment Society of the college. As a skill enhancement activity they have also been able to sell some of the Bird Feeders during their Annual Festival-Jamboree.
- Sewing and stitching classes in Girls' Common Room are conducted from 10.00 am to 3.00 pm on all working days.
- Other skill development courses will be offered in the 2016-17 academic session as per CBCS curriculum.

6.2.3 Describe the internal organizational structure and decision making processes.

The College Principal is the Head of the Institution. He is responsible for implementing the decisions of the Governing Body as per the appropriate statutes and ordinances of the University of Delhi. He is also in charge of administration and organization of teaching and co-curricular activities in the College. Internal organizational structure in respect of teaching and administrative staff is given below:

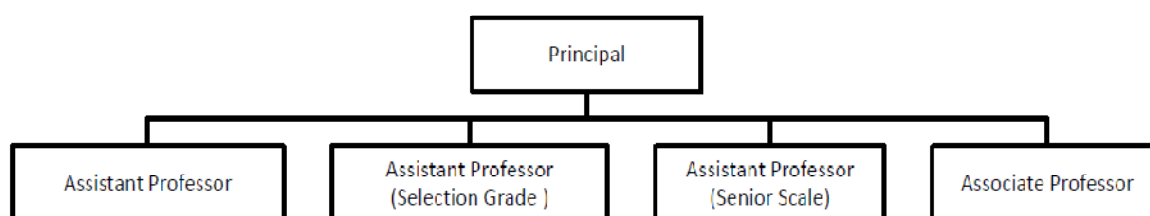


Figure 1: Organizational Setup- Teaching

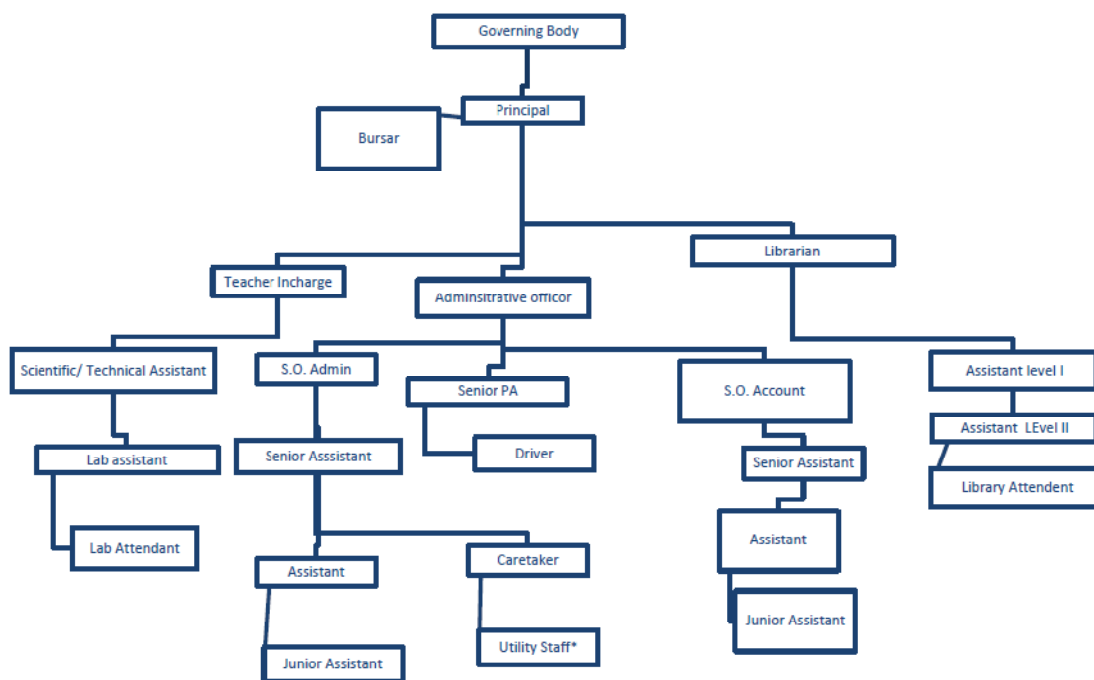


Figure 2: Organizational Setup-Administrative

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

Teaching & Learning

The College constantly endeavours to promote efficient and effective learning process through the following mechanisms:

- Group Discussions/Oral and Power Point Presentations/Class Test/Assignments/Documentary Screening/ Awareness Campaigns/E Learning techniques
- Teaching and learning extends beyond the Classroom which includes organizing educational trips for students/Outreach Programmes/ visits to industrial units, UN Centre, American Centre and Library, British Council Library, IIPA/ Nature walks to Bio-diversity Parks / Training students in Model UN Session and Parliamentary Debates, etc.
- Handouts/Notes/Projects/Presentations/Newspaper Clippings/E resources are used by the faculty members for knowledge and skill enhancement of students.
- Regular Seminars/Conferences/Workshops/Panel Discussion/Invited Lectures are held for encouraging students and exposing them to the current issues and debates.
- The College has a spacious and well-stocked library with a holding of about 1,11,500 books. It runs an open shelf system but some important textbooks are also kept in the reserved section. The library also subscribes to 35 national and international journals.
- A significant feature of the library is its multi-media section. It is equipped with multi-media computers and a vast collection of electronic materials for e-learning.

- Frontline technology and ICT enabled classrooms and Laboratories are made available to students.
- E-learning facilities have been provided to the students. 40 new state of the art computers have been added to the multimedia cum e-resource lab with a high-speed internet connection. Various online resources have also been made available to facilitate e-learning. This has been done to keep the College and the students well versed with online exams and study modules provided by the University. The college campus is Wi-Fi enabled. Students are provided with unique login ID and password to avail the internet facility throughout the campus.
- Capacity building classes are organized by the College having the following components that are common to most competitive exams: Verbal Ability, Reasoning, Mental Ability, General awareness, Personality development.

Research & Development

The College encourages research endeavours of individual faculty members by following means:

- College encourages faculty members to engage in research work based on the area of their academic interest. Many teachers have undertaken independent research projects sponsored by various institutions such as UGC, ICSSR, ICHR, ICPR, DST, CSIR, University of Delhi, etc.
- In order to develop a research orientation among students, the College encourages faculty to take up innovation projects. Several innovation projects have been funded by the University in the last four years. Students work on these projects during Summer and Winter breaks under the guidance of the teachers and their research work is presented at various National and International forums.
- Faculty members also pursue their career advancement goals by undertaking Doctoral and Post Doctoral Research.
- Several of our faculty members are also engaged in guiding research of M.Phil and PhD students.
- Science students are exposed to the latest developments in the field of research and innovations during their internships in various research laboratories.
- The College also encourages collaborations with institutions of higher learning such as NII to bridge the gap between undergraduate students and research.
- Faculty and students have also been a part of the Gyanoday initiative of University of Delhi.
- College provides leave to teachers for research and participation in seminars, conferences as per University guidelines.

Community engagement

Education is not mere acquisition of information at Zakir Husain Delhi College. The goal is a holistic development of character and sensitivity towards fellow human beings and community at large, along with a strong knowledge base. Towards this end, the College undertakes several initiatives. Various forums like NSS, Women Development Cell and Internal Complaints Committee organize street plays, outreach programs and awareness campaigns throughout the year.

- Students are sensitized to social issues such as communal harmony and composite culture, environmental degradation, child rights and women's rights through various campaigns/workshops/symposiums/street plays and competitive events.
- The College faculty and students donate generously for relief measures during natural calamities and they are also sensitized towards the needs of the old and the disabled.
- Students are sensitized towards maintaining clean and green environment in the campus. This also involves segregation of waste and diverting the bio-degradable wastes to vermi-composting unit.
- In order to create a pollution free environment, students are educated through campaigns like 'No to crackers', 'No to plastics', 'Tobacco free Campus ' etc.

Human resource management

Human resources are the backbone of any organization. Their quality is maintained through following strategies:

- Staff both teaching as well as non-teaching is encouraged to go for Professional development courses.
- College maintains all personal files and data of the staff.
- For motivating and boosting the morale of the non-teaching staff, appreciation letters are issued for their contribution to the corporate life of the College and they are also rewarded for their efforts on the occasion of the Annual Day.
- Latest infrastructure and frontline technology are provided to the employees in the administrative section. These facilities are upgraded from time to time as per the need of the staff.
- All salary, leave, time-table and attendance records are maintained online.
- For maintaining regularity of the non-teaching employees, bio-metric system of attendance is used.
- Promotion of the teaching faculty through Career Advancement Scheme (CAS) is an effective appraisal mechanism.
- Laboratory staff CRs are sent by the teacher-in-charge every year as a part of their continuous appraisal.

Industry interaction

- There is an active Career Counselling and Placement Cell in the College. The Cell invites corporate representatives for interaction with the students to the College Campus for exposing the students to the needs of the industry and career opportunities available to them.
- The College has also launched a skill development programme with Max Institute of Health Education and Research (MIHER) as the training partner.
- Currently a batch of 21 students is undergoing training for Diet Assistant course. This programme has been launched under the University of Delhi- National Skill Development Corporation (DU-NSDC) initiative.
- Departmental Societies also invite professionals and experts working in various fields to bridge the gap between the classroom and the outside world.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

- Head of the Institution reports to the Governing Body the following:
 - Faculty Requirement of each department after approval of the same through Staff Requirement Committee
 - New teaching and non-teaching permanent appointments
 - Purchases made by individual departments
 - Audit report of the college
 - Result of the students
 - Activities organized by the college as per reports submitted by committee conveners and/or departments
 - Recommendation of PF Committee, Leave Advisory Committee and Building Maintenance Committee.
- Information is also provided on the website of the College. It is kept updated with all the necessary data about admissions, vacancies, up-coming events, notices and circulars of DU/UGC/MHRD.
- A detailed Annual Report about the achievements of the College, staff and students is presented on the Annual Day of the College.
- All Staff Council constituted committees present their Report in the Staff Council on an annual basis.
- Information is also disseminated and opinions are sought on important issues through General Body Meetings of Staff Association.
- The College publishes a comprehensive Prospectus for each academic year before the admission process begins which contains detailed information about both, the academics and co-curricular activities of the college. It also contains information about various ordinances of DU/UGC, admissions and internal assessment rules.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The Governing Body allows autonomy to the staff members for taking initiatives in improving the efficiency of institutional processes. A review of the year gone-by is made by the Principal in the Staff Council meetings. Based on this review, planning for the next academic session is made to ensure better efficiency of the institutional processes.

Periodic departmental and committee meetings also bring out ideas and fresh initiatives for effective and efficient implementation of institutional processes.

The College also encourages the non-teaching staff members by awards and letters of appreciation on annual day for any exemplary work which they may have done.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Zakir Husain College is run by the trust whose President is the Prime Minister and Vice President is the minister of HRD, Government of India. The trust nominates 12 representatives on the college Governing Body. Due to the delay in nomination of members, the meeting of the

Governing Body could not be held for a long time. The last meeting of the Governing Body was held on May 16, 2014. The resolution adopted in that meeting and the action taken report are attached below.

S.No.	Governing Body Meetings	Resolutions adopted	Resolutions implemented
1	40 th GB 16.5.14	<ul style="list-style-type: none"> • Election of office bearers • Appointment of GB chairman/ GB's nominees on the selection/promotion committee for appointment/promotion of teaching and non teaching staff • Approval of panel of auditors • Approval of audited account for 2011-12 & 2012-13 • Approval of formation of policy to entertain new proposal for scholarship • Approval of constitution of two new scholarships 	Minutes to be confirmed in the next GB

ACTION TAKEN REPORT

Resolution No.	Item	Action Taken
2642	Motion of Condolence	No follow up action required
2643	Election of the Officer Bearers	No follow up action required
2644	Confirmation of the last minutes	No follow up action required
2645	Approval of ATR on the above meeting	No follow up action required
2646	Appointment of Chairman's/G.B.'s Nominees on the Selection/Promotion Committees for the appointment/Promotion of Teaching& Non-teaching	No follow up action required
2647	Approval of Panel of Auditors	No follow up action required
2648	Formation of Policy to Entertain New Proposals for Scholarship	Implemented
2650	Approval of Commencement of two New Scholarships	Two new scholarships in the name of Late Gopa Dey and Dr. M.K. Gupta have been started
2651	Under Any Other Item, while the G.B. members congratulated students for good results, also put on record their dissentment over large number of failure or back in academics	The matter was discussed in Staff Council meeting held on 21/07/14 and it was decided that the Principal would request D.U. for re-evaluation

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

No, DU has no such provision.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

The college follows an open door policy for attending to student's grievances. The Principal keeps interacting with the faculty and the students. Whenever, there are some under-currents, the issues are resolved before they become grievances. Specific complaints and grievances are taken care of at the formal level by the following committees:

- An active and alert Proctorial Board is there to enforce discipline and ensure adherence of students to all rules of conduct in the college.
- Student Grievance Cell has been constituted to look into the grievances of the students and make necessary interventions.
- Internal Complaints Committee as per the University guidelines is a statutory body that addresses complaints of sexual harassment at workplace.
- Anti-Ragging Committee is active during initial months of the academic session. It assists new students in feeling comfortable in a new environment.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

There have been no court cases in last four years.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Departments have followed the practice of taking feed-back from students who are due to pass out though it has not been formalized and documented so far. Since last academic session (2015-16), a formal feed-back was taken from the Class Representatives of all classes by the Academic Supervisory Committee. Proformas were analysed to understand the responses of the students and undertake corrective measures.

Suggestion boxes are also placed at the appropriate place to take feedback from the students.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

Teaching Staff

- The college encourages the faculty members to participate in refresher courses, orientation programs, national and international conferences, seminars, workshops, field visits, etc. The details for the same have been provided in Criterion III.

- College also supports the faculty members in organizing various conferences, seminars, and workshops which helps them in their professional development.
- Study/ Academic/ Duty leave has been granted as per the rules laid down by University of Delhi for attending conferences, workshops, seminars, short term and long term training programs or for doing Ph.D.
- Facilitating grant of financial support from University Grants Commission/Department of Science and Technology/Council for Scientific & Industrial Research/ ICSSR/ ICHR for attending International seminars/conferences/workshops etc.
- The college also invites eminent academics and scholars to motivate faculty members and students at various college events organized every year like the Convocation, the Zakir Husain Memorial Lecture, Delhi College Lecture, and the Annual Day.
- Faculty members are encouraged to engage in DU Innovation Projects from the time these have been initiated by the University. Many faculty members are engaged in DU Innovation Projects. (Details provided in Criterion III)
- Faculty members desirous of joining other institutions for career advancement are supported in their endeavor.

Non-Teaching Staff

ZHDC depute the non-teaching staff for various computer training/finance/administrative skill enhancement programmes organized by DU /Delhi Govt.

The non-teaching staff is also encouraged to attend training and skill upgradation programs conducted by University of Delhi from time to time and by other academic bodies. They are also encouraged to attend the Professional Development courses. The teaching staff also guides laboratory assistants in handling material and up keep of the instruments. Some members of the non-teaching staff are pursuing studies for higher qualification.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibilities they perform?

A number of strategies are adopted by the college for faculty empowerment through training etc.:

- Faculty members are encouraged to attend orientation and refresher courses and training programs regularly with a view to upgrading their knowledge and skills.
- The faculty members are motivated to organize seminars and workshops at the college level so that faculty from other colleges can also participate and benefit from it. A series of intellectually stimulating talks, seminars and lectures keep the faculty abreast of the current developments.
- The skills and knowledge acquired by the trained faculty is also useful for administrative work. The offices of the Bursar, Superintendent of Examinations, Coordinator and Deputy Coordinator for evaluation of scripts and for practical examinations, etc., with clearly defined roles and responsibilities require trained and experienced teachers for efficient outcomes. These positions provide an opportunity to the teaching staff to not only participate in the functioning of the college, but also foster a sense of being empowered
- Many of the faculty members are also involved in curriculum development at the University of Delhi

- University of Delhi Research Innovation Projects are an important and motivational program for teachers that encourages and empower them to explore new areas of research.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Teaching Staff

The performa submitted by faculty members for their promotions under Performance Based Appraisal System (PBAS), such as CAS (Career Advancement Scheme) of University of Delhi allows for self-appraisal as per University norms. This record reflects various publications in the form of books, chapters, research papers published, conferences attended, papers presented, lectures delivered, courses attended, Orientation Course, Refresher Course and other training programme and so on by each and every faculty member. It also includes the projects undertaken by the faculty members, various administrative posts handled by them in the college and university. These records of the faculty form a part of the evaluation at the time of promotions and interviews held for this purpose.

Faculty members are required to maintain yearly self-assessment records incorporating details of teaching, remedial measures for slow learners, examination, evaluation, research, administrative work, extension activities & honours and award etc. achieved by them during the period of assessment which at the end of the total assessment period shall be counted subject to verification by the Principal.

All academic and administrative activities and relevant information concerning the faculty members are recorded in their respective service book and personal file.

Non Teaching Staff

Non-teaching Staff members are assessed annually by filling the Annual Performance Appraisal Report (APAR) forms. APAR contains brief descriptions of duties undertaken by the employee, timely accomplishment of planned work, proficiency in work and personal attributes such as, attitude to work, sense of responsibility, communication skills, analytical ability, interpersonal relations etc. This form is initiated by the signature of an applicant followed by a reporting officer and then reviewed by reviewing officer at higher level in the hierarchy.

The Teachers-in-Charge of Science departments regularly evaluate the performance of laboratory staff through their performance during practical classes. Their performance is also discussed in the department faculty meeting. The Teacher in charge fills in the Confidential Report of the laboratory staff at the end of the academic year.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The performance appraisal system followed in ZHDC is no different from the appraisal system mandated by DU. Hence the procedures adopted are completely in keeping with the University protocol on performance appraisal. This is done when the teacher is due to be promoted to the next scale/ position by a duly constituted selection committee. The decisions are then

communicated to the concerned teacher officially through a letter with the details of the promotion and the new responsibilities.

6.3.5 What are the welfare schemes available for the teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The following welfare schemes are available in the college for the benefit of the teaching and the non-teaching staff members. The percentage of staff members that availed the benefit of schemes in the last four year is given in the Table below:

	2015-16		2014-15		2013-14		2012-13	
	Teaching	Non-Teaching	Teaching	Non-Teaching	Teaching	Non-Teaching	Teaching	Non-Teaching
WUS Health Scheme	1.34	0.00	0.72	0.00	1.39	0.00	1.40	0.00
Children Education Allowance	25.50	33.33	21.01	25.24	22.22	17.92	30.77	36.79
LTC	21.48	9.52	29.71	33.01	38.19	5.66	14.69	21.70
HTC	10.74	3.81	7.97	6.80	15.28	2.83	16.78	4.72
Medical	28.19	68.57	50.00	80.58	40.97	72.64	26.57	49.06
GPF	45.64	56.19	49.28	60.19	59.03	62.26	58.04	62.26
CPF	0.67	0.00	0.72	0.00	0.69	0.00	0.70	0.00
Pension/NPS	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

The faculty members of the college are appointed as per the rules and regulations of the University of Delhi. Whenever a vacancy arises, it is advertised in National dailies and interviews are conducted by a selection committee as per the Ordinances of the University of Delhi. Adhoc appointments are made through interviews after displaying the vacancies on the college website and University of Delhi website before holding an interview. The college is known by its faculty members only so all efforts are made at the time of appointment to choose the best from among the available candidates.

An effort has always been made by the authorities to maintain our heritage and culture by providing a good working environment imbued with the strength of unity and desired infrastructural support for its faculty members to retain them.

The faculty is also given support and facilities for career enhancement by timely promotions, research encouragement and academic assignments. This gives them the opportunity for raising the bar for themselves which in turn benefits the College as well.

6.4 Financial Management and Resource Mobilization

6.4.1 What are the institutional mechanisms to monitor effective and efficient use of available financial resources?

Financial resources are managed and monitored strictly by the College. Most of the resource sare spent by committees constituted by the staff council or directly by the Principal. The main committees are purchase committee, maintenance committee, printing and stationary committee, monitoring committee/UGC merged schemes, purchase and maintenance of computer, printer and their accessories, library committee, college automation committee etc.

Departments have their annual budget for smooth functioning of their departmental activity. The Student' Aid committee recommends financial assistance for economically under privileged and deserving students. The Principal, as the chairperson of these committees can call for urgent meetings for matters of immediate concern. Finances are duly reported to and approved by the governing body. The Bursar and Accounts department deal with financial matters according to the guidelines lay down by the UGC, University of Delhi and Central Services Rules.

6.4.2 What are the institutional mechanism for internal and external audit? When was the last audit done and what are the major audit objections?

The internal audit is conducted by the Statutory Auditor (Chartered Accountant) hired by the college. The external audit is also conducted annually by an audit party of the Finance department of the Govt. of India (CAG). There were some minor objections regarding LTC/HTC payments in the Audit report for the year 2014-15, which were removed.

6.4.3What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and reserve fund/corpus available with Institutions, if any.

The major sources of receipts/funding are as follows:

Grant from UGC: Maintenance of College, Staff Salary and Allowances, Staff related expenses (Medical, LTC etc.), Retirement Benefits. Building Projects.

Grant from University of Delhi: as special grants for innovation projects, building projects.

Fees Collection: Annual fee's collection from students enrolled in college which is used for academic and co-curricular activities.

Income and Expenditure Statement for the last four years is summarized below. Audited Balance sheets are in annexure 6.1.

Year	Income	Expenditure
2014-15	376425927.00	350208365.00
2013-14	349819820.00	333160889.00
2012-13	330296760.00	295905873.00
2011-12	272113423.00	280531317.00

Details of the Reserve /Corpus Fund

There is no reserve /corpus fund with the college.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

No additional funding is sought other than grant-in-aid from UGC and DU College has received funds from University Grants Commission under Merged Scheme as well as Plan Development Grant and has utilized the same. In case of deficit where expenditure is approved then college writes to UGC to meet out the deficit.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

IQAC has been recently re-constituted in April 2016 and has become functional.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

IQAC has been recently reconstituted and its first meeting will be held very soon.

c. Does the IQAC have external members on its committee?

If so, mention any significant contribution made by them.

Four external members have been incorporated in the IQAC.

d. How do students and alumni contribute to the effective functioning of the IQAC?

One existing student and one alumni have also been taken as the member of IQAC.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

Coordinator of IQAC has started working in this direction by meeting the teachers-in-charge of various departments and library staff for their suggestions. Then an institutional policy will be framed and placed in the meeting of IQAC.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

ZHDC has an integrated frame work for quality assurance of the academic and administrative activities. At present Academic Supervisory Committee has been engaging itself in monitoring the academic quality of the institution. The process adopted in this direction has been discussed above in sections 6.2.1 and 6.2.4.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

ZHDC plans to ensure excellence in teaching, research, administration and professional activities. Very soon the arrangement for specific training of staff will be made so as to achieve this goal.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

Although no formal mechanism for academic audit is in place, however the college has developed its own monitoring mechanism for quality assurance. At the individual level, completion of the university curriculum for each course in the prescribed time is the reference point for this. At the departmental level, the end semester results are scrutinised and discussed to identify the shortcomings. At the college level these results are further discussed in the staff council. IQAC shall establish procedures for academic audit and review of academic provisions.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

IQAC aims to formalise the implementation of quality assurance measures so that an atmosphere for overall development of institution can be created.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

ZHDC always strives for the improvement in the teaching learning process with the changing time. The present mechanism and the methodology to review the teaching learning process have already been discussed above in section 6.2.4. Further measures will be taken up by the IQAC to assess, monitor and implement the quality measures in all academic and administrative processes.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

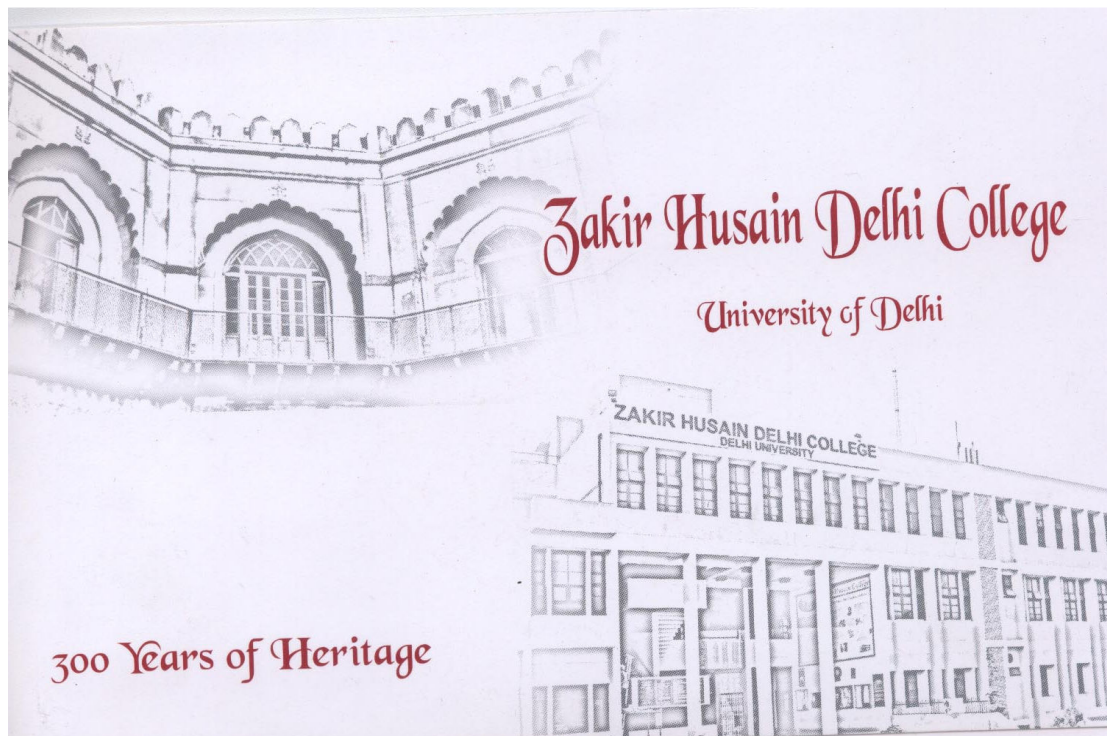
IQAC plans to formulate a mechanism for feedback from students on various aspects and then give recommendations after carrying out their thorough analysis. Based on the recommendations college can frame a policy for maintaining the quality.

Any other relevant information regarding Governance Leadership and Management which the college would like to include.

CRITERIA- WISE INPUTS

CRITERION-VII

Innovations and Best Practices



7.1 Environment Consciousness

Zakir Husain Delhi College fosters environment stewardship ethic by embracing the principles of sustainability. The College fraternity understands the importance of eco-friendly practices for environmental protection. The 'Nature and Environment Club' of the college in close association with student volunteers works towards sensitizing students, teachers and staff for nurturing and maintaining a green environment.

The college has been spreading environmental awareness among students and colleagues through various initiatives like '**Say No To Crackers**' and '**Promotion of Eco-friendly Herbal Colours**' during the festivals of Deepawali and Holi, respectively. As a part of this mission, Ecological club of the college in collaboration with a Pune based social enterprise '**Ecoexist**' has been arranging stalls for sale of herbal colours in the college premises for students and teachers. Ecoexist manufactures these herbal colours from natural materials like Beet root, Palash, Henna, etc.

In its constant endeavour to protect the environment, the college initiated (in 2009) a drive '**Say No To Plastic, Use Cloth Bag**' to encourage students and staff to adapt a sustainable lifestyle by minimizing the use of plastic bags. This initiative promotes use of cloth bags in place of plastic bags which are harmful to the environment. Old clothes from students and colleagues are collected and used for making bags with the help of some Girls' association members. The bags are sold during various college functions at a nominal price of Rs. 20 per piece.

In order to inculcate environment consciousness among students, the college has been sending students of first and second semesters across all disciplines on field trips to Centre for Science and Environment (CSE) and Aravalli and Yamuna Biodiversity Parks as well as wildlife reserves such as Ranthambore and Jim Corbett.

In addition to this, Zakir Husain Delhi College has been organising an '**Inter-College Rolling Shield Environment Quiz**' Competition every year to promote awareness on various environmental issues among student community. From this year, the Shield was renamed as "**Dr. Virendra Kumar Rolling Shield Environment Quiz**" after our colleague Late Dr. Virendra Kumar who was a well-renowned environmentalist.

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

The college has recently (April, 2016) initiated a Green Audit of its campus and facilities by Spectro Analytical Labs Ltd. which is an ISO certified lab.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

The college has adopted several eco-friendly practices over the last three decades. Some of the eco-friendly initiatives taken by the college are – setting up of vermi compost unit, waste segregation in blue and green bins, paper less administration, paper recycling unit etc.

The college has adequate green cover which is an eco-friendly initiative. The campus has 171 trees which have been labelled with their names for the benefit of the students and staff. In addition, the college has well-maintained Herbal, Botanical, Rock and Rose Gardens. The Herbal Garden has a rich collection of medicinal plants, spices, oils and perfume yielding plants, narcotics, flavouring agents and petro-crops. Our herbal garden has been awarded '**First prize for the Best Herbal Garden**' in the Annual Flower show of University of Delhi for **three consecutive years** (2014, 2015 and 2016). The college gardeners under the expert supervision of

the 'Garden and Greening committee' manage and maintain the gardens and the green cover of the college.



The Department of Zoology organised “National Symposium on Environmental Contamination and Public Health” in August 2015. The other green initiatives taken by our college include the sale of indoor potted plants which improve the indoor air quality and gifting only potted plants to chief guests in place of cut flowers during various college functions.

Energy conservation

The college has been actively engaged in energy conservation. Some of the notable energy conservation measures taken up by the college are as given below:

- The old fans which were 25-30 years old and consumed more than 100 watt per hour, have been replaced with energy efficient fans which consume less power.
- The college is gradually shifting towards CFL and LED lights for saving energy.
- The aluminium wiring in the college was replaced by copper wiring in 2014 to minimize wastage of energy.
- LT panels and capacitors have been installed in the electric substation of the campus to optimize energy consumption.
- Tinted films and sunshades (in office) and thick blinds (in Botany lab) have been placed on sun-facing windows to conserve energy.

- Notices in the office, classrooms and laboratories urge staff, teachers and students to switch off lights, fans and other electrical equipment when not in use.
- A majority of the college classrooms are well-lit with natural light during day hours and have good ventilation which contributes to reduced energy consumption.
- A majority of our air conditioners (Voltas and Daikin) and other equipments such as refrigerators are eco-friendly which further helps in reducing our energy consumption.



Solid waste management

Our college is practicing solid waste management by first segregating waste in green and blue bin since 2005. The organic waste which can be decomposed is put in the green bin and non-degradable waste such as plastic, glass, aluminium foil are put in the blue bin.



The organic waste such as vegetables, leaves etc are transformed into compost by our vermin compost unit. After 90 days the ready compost is produced which is used for our college garden.

The gardeners collect kitchen waste from college canteen and from faculty members residence and use it in the vermicompost pits. A project was carried out by our students which revealed high level of nutrients in the compost produced.

Use of renewable energy

- The college is in the process of signing a contract with Azure Power Ltd for the installation of 50.22 KW solar panels on rooftops to fulfil its energy requirements. This green initiative by the college will mitigate approx. 1733.37 tonnes of CO₂ which is equivalent to planting 2774 teak trees over lifetime.
- We have four vermi-composting pits in our college for generating green manure using kitchen and garden waste. We have been following this practice since 2000. This compost is used regularly in college.
- Our gardeners have been making leaf compost since 1986 by decomposing fallen leaves in pits. We do not use chemical fertilizers and insecticides in the college.



Water harvesting

The college maintains a rain water harvesting system in the campus. Although as per the latest assessment, the college campus has a high water table level. A water harvesting pit has also been made in the low lying area near the Porta-cabins to harvest rain water.

The college organized lectures on rain water harvesting by eminent personalities like Sunita Narain of Centre for Science and Environment (CSE) in 2014 and by Rajinder Singh (popularly known as water man of India) to create awareness among the students and teachers about water conservation.

Check dam construction

Not Applicable

Efforts for Carbon neutrality

The college has taken several green initiatives to become carbon-neutral. We can reduce our carbon footprint by reducing use of fossil fuels and opting for renewable energy. We can reduce greenhouse gases and become carbon neutral by indirect activities such as recycling waste, reduction in consumption of resources such as paper, increasing green cover etc. The notable efforts are outlined below:

- The college is within walking distance from the New Delhi Metro station and is close to Barakhamba metro station as well as Shivaji Terminal railway station. A large number of students and employees prefer to travel either by metro, train or bus. They generally walk to the college from Metro or railway station to reduce carbon emissions. In addition to this, many students and faculty car pool to reduce carbon footprints. Such informal carpools have been in practice for the last two decades.
- In a bid to reduce carbon footprint, it is planned to fulfil the entire energy needs through use of renewable energy which will be a big step to achieve sustainability and a green campus.
- The college has made attempts to achieve paper-less administration and was the first college of the University of Delhi to implement a novel paper-less administration practice. The college has an intranet facility accessible to all employees for acquiring salary slips and information relating to their PF and leaves. Students also use this facility to obtain their monthly attendance and internal assessment marks. Unique IDs have been issued by the college for this purpose to both students and the staff.
- The college has well-ventilated rooms which are well-lit with natural light during day hours. The students and college staff are encouraged to conserve energy by using natural ventilation and light instead of artificial ones wherever possible. In addition to this, the college has replaced old fans and lights with energy efficient counterparts (such as CFLs and LEDs) for conserving energy.
- The college campus has adequate green cover with over 400 plant species and around 4000 plants. We have a variety of herbs, medium sized shrubs and trees. The vegetation helps in reducing the carbon dioxide level which is a greenhouse gas. This helps in reducing carbon footprint.
- The college only employs organic manure for the campus vegetation.
- The college has a handmade paper unit which is used to recycle waste paper for making folders and envelopes. The college has shifted towards paperless elections using EVM machines for saving paper. In its recent efforts to save paper, the college placed the seating plans of theory examinations on the college website for the benefit of students.
- The college has banned the use of plastic cups and plates inside the college premises. Only steel utensils and plates made with eco-friendly material are allowed in the canteen of the college. This initiative is taken to reduce solid waste in the form of paper and thermocol plates.

- Burning of any kind of waste is completely prohibited inside the college campus. All the staff and gardeners have been given strict instructions in this regard.
- We regularly organize seminars, workshops and quizzes to educate our students about environment and sustainable development.

Plantation

The greening of the college campus started in 1986 when we shifted to our current campus from Ajmeri Gate. In 1986, we had only five trees in our college with no ground vegetation. Our gardeners and the members of the Garden Committee worked hard and now we have a total biodiversity of 4000 plants which includes 171 trees, 1037 Shrubs and Hedge plants, 820 foliage plants, 1004 winter ornamental plants, 350 Summer ornamental plants, 13 hanging baskets, 251 bulbous plants, 86 Cacti and Succulents and a few aquatic plants and a large number of weeds.

The college also has well-maintained Herbal, Rock and Rose gardens. The herbal garden of our college has a rich diversity of medicinal, spices, oils and perfume yielding plants, narcotics, flavouring agents and petro-crops. Our rock garden has 54 species of succulents and cacti.

Under the aegis of the nature and environment society of the college, we have recently started a novel initiative towards conservation of native tree species. A "Native tree nursery" has been developed inside the college campus in collaboration with the **Bombay Natural History Society (BNHS)**. Native tree species from the Aravalli range such as *Moringa oleifera* (Drumstick), *Acacia senegal*, *Acacia chundra* (Khair), *Carissa* (Karonda), *Acacia leucophloea* (Ronjh) have been planted in the nursery and are used for distribution to different institute.

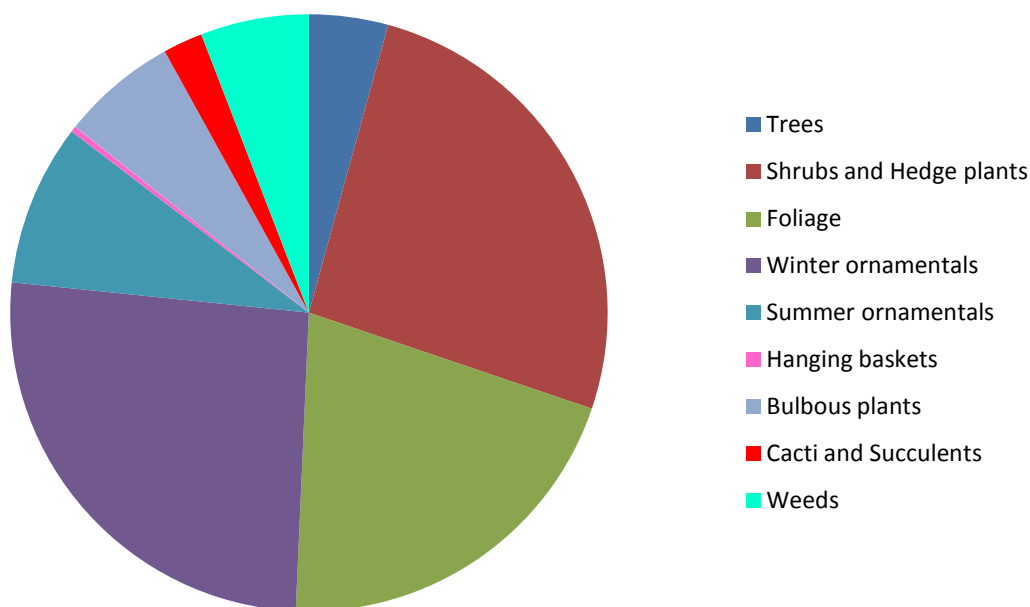


Figure 1: Diversity of Plants in College Garden

Awards during Annual Delhi University Flower Show:

The tradition of organizing a flower show started in Delhi University in 1958. It is a spectacular event which has participation from various schools, colleges, departments, government and public educational institutions and gardeners and other persons serving in these institutions. The entries even come from Rashtrapati Bhawan.

We started participating in the Delhi University Annual Flower Show in the year 2003. Although, we won only one prize in our first attempt at the flower show, we were enthusiastic enough to put up more entries in the forthcoming years. Because of the team work of our gardeners, teachers and students, this year we won 171 prizes and 10 trophies/cups in the 58th Annual Delhi University Flower Show (Fig. 2). This is the highest number of prizes won by any institution in the various categories such as Principals', Teachers', Gardeners' and Students' entries.

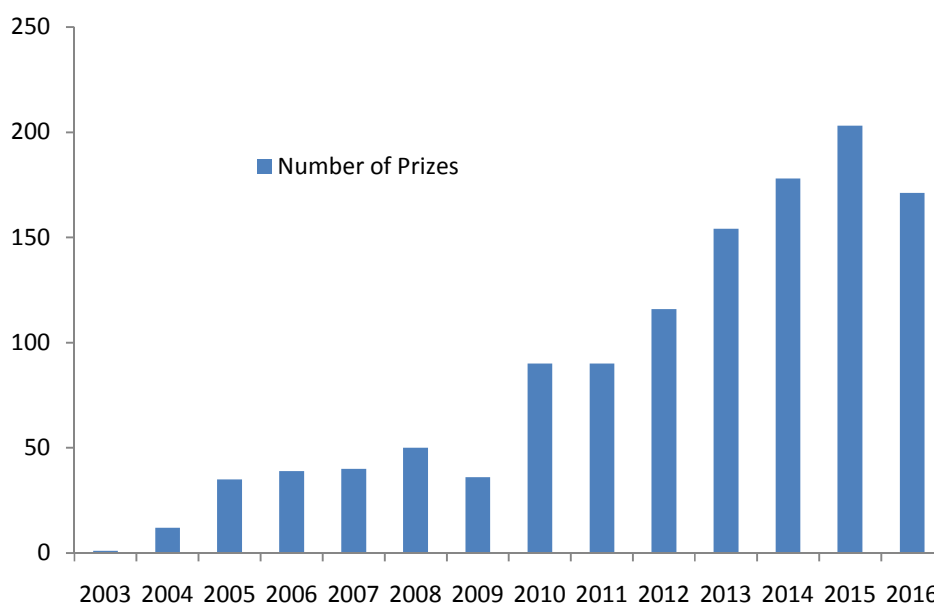


Figure 2: Number of prizes won by the college in the Delhi University Flower Show

Table 7.1: Achievements during Annual Delhi University Flower Show

S.No	Cup/Trophy	Category	Years							
			2008	2009	2010	2012		2014	2015	2016
1.	Kalindi College Trophy	Best Hanging Basket of Money Plants	2008	2009	2010	2012		2014	2015	2016
2.	Delhi School of Social Work Cup	Highest marks in Hanging Basket class		2009	2011	2012	2013	2014	2015	2016
3.	Dr. Meenakshi Gopinath Cup	Best Herbal Garden						2014	2015	2016
4.	The Jagrani Devi Memorial Cup	Bonsai					2013	2014		
5.	The Department of Business Management Cup	Succulents					2013	2014	2015	
7.	Vallabhbai Patel Chest Institute Cup	Highest aggregate marks for Roses in pots	2008		2011	2012	2013	2014		2016
8.	V.P. Singh Cup	Highest aggregate marks in Teachers' category				2012				2016
9.	PGDAV College Cup	Highest aggregate marks in potted plants in Teachers' category				2012				2016
10.	The Jewellers cup	Highest marks in cut flowers in Teachers category			2010	2012				2016
11.	The Diamond Jubilee Cup	Highest marks in potted plants , Principal's category					2013			
12.	Kali Charan Aggarwal Award	Highest aggregate marks in Principal's category		2009 (4th)	2011 (3rd)		2013 (3rd)	2014 (3rd)		
13.	Laxman Sarin Cup	Wild Flower arrangement by Students				2012	2013		2015	
14.	Daulat Ram College Cup	Best Marriage Decoration by Malis		2009					2015	2016
15.	Department of Zoology Cup	Group of 24 Flowering Potted Plants							2015	2016
16.	The Indian School of International Studies Cup	Highest marks in Floral work by Maalis					2013			2016
17.	The J. Swarup Cup	Highest marks in Maali category					2013			
18.	The Flower show Committee Cup	Roses in pots in Maali category			2011	2012				

Our college has been consistently winning Kalindi College trophy for **Hanging Basket of Money plants** and Delhi School of Social Work cup for **Best Flowering Hanging Basket**. We have good collection of Cacti and Succulents for which we have got identification done by experts. The herbal garden of our college also has a great diversity of plants and has been winning the Dr. Meenakshi Gopinath cup for the best herbal garden for three consecutive years (2014, 2015, 2016) (Appendix 7.2). We have put labels with names and uses on all plants of our herbal garden.

We have recently labelled all trees of our college with their common and botanical names and were awarded 2nd prize in the 58th Annual Delhi University Flower Show in that category. In addition, our rock garden has also won 2nd prize in the Annual Delhi University Flower Show for last three years.

Hazardous waste management

- Microbial culture is always autoclaved after use so that unwanted microbes do not spread in the tissue culture lab.
- Colchicines which is a carcinogenic compound is no longer given to students to handle.
- The hazardous waste from electronic items are taken by NGO **Chintan** for treatment.

e-waste management

The college has collaborated with an NGO **Chintan** for recycling of e-waste. The NGO regularly sends us boxes for collection of e-waste and takes the collected e-waste for recycling. The students, faculty and college staff are encouraged to put their discarded phones, batteries, old laptops etc. in the boxes provided by Chintan and are kept in college for e-waste collection.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

ZHDC is an institution where scholarly activities and innovations are valued and encouraged. Today, the college can count a number of innovations into multiple directions. Innovations which have created a positive impact on the functioning of the college are:

Administrative Innovations:

1. The college library is fully air conditioned with easy access for the differently abled students. Some of the innovative features of the library are:
 - The students and faculty can access to the facilities of Electronic Resource Management Package for e-Journals through DULS (Delhi University Library System). The facility of two federated search engines, viz., UGC-Infonet federated search engine, JCCC, and the search engine of DULS, Knimbus has been provided by the DULS.
 - The library has 40 computers in the Multimedia cum e-Resource Lab for the exclusive use of the students. Four computers are installed in the Teachers' Enclosure out of which 3 computers are meant for the use of teachers while one computer is connected with Lex Scanner (which converts text into voice) and headphone, is meant for the use of visually impaired students.

2. The College Library houses a Book Bank, which is the largest amongst all the colleges of DU, with a rich collection of around 12000 books. It renders services to the students by providing them with the text books for the whole academic session.
3. The college administrative section has specially developed a software which helps in accounting, book keeping, generation of reports, salary and pension calculations.
4. The college has its own software which apart from student attendance management, helps in preparing students identity cards with bar codes, library cards, admission reports and student database.
5. The college has a well laid-out website with its emphasis on photographs and links, the homepage is engaging, neat and easy to navigate. It is a communicative platform for the existing students, teachers, parents and the outsiders. University notices rules, circulars, time table, vacancies and even tenders are uploaded on website. The website also offers an insight into student life cycle and employee life cycle. Through student life cycle students can check their attendance and marks of internal assessment any time with the help of password given to them. Similarly, with the facility of employee life cycle, employee can access information regarding salary, provident Fund and Income Tax any time.
6. Recently college website has also started a sharing portal where faculty can upload their presentations, videos and other related academic material, files or links.
7. The college has ramps and lifts to facilitate the movement of differently abled students.
8. Located in the heart of the city, ZHDC is placed in the vicinity of well-equipped laboratories and specialized center for advanced research at academic institutions. We have within a radius of few km national research institutes of high repute such as NII, NIPGR, JNU, NPL and ICGEB along with north and south campus of Delhi University. The faculty and students are encouraged to interact with eminent researchers and scientists in these institutes. Such interactions have successfully fostered small collaborative research projects. The college encourages students to use the Central Instrumentation Facility and Central Library of University.
9. There is absolute transparency in day to day work and effective implementation of university circulars.
10. Sharing of responsibilities by teachers in organizing academic, non-academic and extra-curricular activities in the college
11. Involvement of faculty, non-teaching staff and students at different levels in taking collective decisions.
12. Most of the classrooms are ICT equipped.
13. There is Equal Opportunity Cell which ensures that both students and employees from different walks of life get equal opportunity to grow and prosper.
14. The college has a counsellor to address students' problems.
15. The college also appreciates the non-teaching staff members by honouring them for regularity, overall performance, etc. on Annual Day.

Academic Innovations

1. The college has developed its own methods which are environment friendly. For example in Chemistry lab we do not use H₂S gas for analysis and an alternate method is used. This innovation is unique and is used nowhere else in other colleges in Delhi University.

2. Chemistry department has devised an apparatus for determining melting and boiling point. This unique apparatus has been developed by chemistry teachers and is safer and more handy without compromising the accuracy of the result
3. At present ZHDC is the only college of the university which holds convocation ceremony every year to sensitize the value of Bachelor and Master degrees amongst students, parents and society.
4. Apart from classroom teaching, teachers use various innovative methods of teaching such as audio-visual aids, group discussions, debates, presentations and quizzes etc.
5. The university inter-college cultural festival Antardhwani and flower show also provides a forum for showcasing the talents and achievements of students.
6. All departments organize their annual festival which promote inter-disciplinary and trans-disciplinary activities. Some of these activities include debates, quizzes and other competitions.
7. Conferences and symposiums are organized where students not only interact with eminent speakers but also develop other skills such as leadership and teamwork.
8. Many departments also publish their annual magazine where students get a platform to showcase their creativity.
9. The college through its placement cell, provides employment opportunities to students. Over the last four years, 146 students have been placed in various capacities in different companies through campus placement.

7.3 Best Practices

7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

A. Title: Eco-friendly campus and practices

Goal: To maintain an environment friendly campus and create an environmentally conscious and sensitive way of life for the ZHDC community

Context: To provide a pollution free, green and healthy campus for the ZHDC community. Our Institute has also initiated a Green Audit of its campus by Spectro Analytical Labs Ltd., an ISO certified lab.

Practices:

- Solar Panel grid comprising a total capacity of 50.22 kilowatts to be installed on the roof top.
- The College has a dedicated gardening committee comprising teaching staff who work in tandem with the gardening staff to maintain a green and eco-friendly environment on the campus all through the year.
- In keeping with our eco-friendly practices, we at Zakir Husain Delhi College have minimized the use of paper. In our regular communication between the administration, teaching staff, students and non-teaching staff, the electronic medium is used. We also re-use one-sided printed paper for rough use.
- Waste paper from office, labs and store is recycled in the handmade paper unit of college by our students.

- We maintain our responsibility towards the environment by preventing pollution through organic and non-organic wastes by employing suitable methods. We ensure that microorganisms which are used in experiments are disposed after autoclaving or sterilization.
- Separate dustbins have also been installed at various locations within the campus for segregation of biodegradable and non-biodegradable waste.
- We also manage our solid wastes through a fully functional vermi-composting facility and produce green manure for self-sustainability of our gardening requirements. There are four vermi composting pits in the garden to help generate manure since 2000 by using kitchen and garden waste. Fallen leaves are collected in several pits which on decomposition give leaf compost. Our gardeners are following this practice since 1986. A separate dump is used to decompose canteen and other waste on a daily basis.
- A fully functional rain water harvesting facility helps maintain the water table in the area. A water harvesting pit in the low lying area of the garden is used to harvest rain water. Lecture to conserve water of college campus and the neighbouring area was delivered by Sunita Narain Director, Centre for Science and Environment in 2014 and also by Mr. Rajender Singh popularly known as water man. These lectures created awareness amongst the students and teaching faculty about water conservation.
- We also have a fully functional Nature and Environment Society- 'SRISHTI', comprising faculty and students who undertake several activities such as sale of organic colours during Holi, field trips to Bio-Diversity reserves, lectures and debates to instill a sense of environmental awareness among the larger community. All the trees on campus have been labelled.
- We also have a lush green herbal garden that is maintained with the help of our Gardening and Greening Committee. We also have a rock garden on campus.
- College building has well lit class rooms, laboratories, staff-rooms as well as offices, to minimize the consumption of artificial light. The old fans have been replaced in order to reduce the consumption of energy. The students and staff members are also advised to switch off the electric switches if these are not in use. (We have put up the following notice in class rooms: SAVE ENERGY, SWITCH OFF LIGHTS AND FANS WHEN NOT IN USE). We are gradually shifting towards CFL and LED lights. Aluminum wiring has been replaced by copper wiring in 2014 to minimize the wastage of electricity.
- LT Panels with MCCB & Capacitors have been installed in substation of college to optimize the energy consumption.
- Eco-friendly air conditioners and other electrical equipments are used to reduce the consumption of electricity.

Evidences:

- ZHDC is the second college in Delhi University to identify and label the trees. We were awarded second prize in the 58th Delhi University Flower show for this effort.
- We have a total biodiversity of 4000 plants which includes 171 trees, 1037 Shrubs and Hedge plants, 820 foliage plants, 1004 winter ornamental plants, 350 Summer ornamental plants, 13 hanging baskets, 251 bulbous plants, 86 Cacti and Succulents and a large number of weeds, 64 medicinal and other herbs in our herbal garden and 40 species of annual flowering plants in the college garden.

- Our college has again excelled in 58th Delhi University Annual Flower Show. We won 171 awards and 10 trophies. The hanging baskets of our college were highly appreciated. We won the Kalindi college cup for money plant basket. We won trophies in roses, marriage decoration, flower arrangement, hanging baskets and potted plants. Our college was awarded Meenakshi Gopinath Cup for best herbal garden and second prize for rock garden

Resources Required: Water, manure, shelter, manpower and sunlight

Difficulties faced:

1. College puts in lots of effort for collecting waste, separately in blue and green bins, however this effort goes waste as MCD does not collect it separately. Now, *Chintan*, an NGO will be collecting our segregated waste to dispose it properly.
2. Maintaining plants in scorching heat and biting cold is a challenge as we don't have a green house. However, with lots of effort we protect plants by regularly shifting them to protected places.

B. Title of Practice

Student Growth and Development- A Holistic Approach

Goal

To provide an environment conducive for personal growth and academic development of students in order to make them play an active and productive role in society.

Context

Our college has always stood steadfast as a champion of some basic values that have acquired great relevance in contemporary times. The college has provided a multicultural environment free of differentiation on basis of religion, caste, creed and language. Students belonging not only to Delhi and other parts of the country but also to foreign countries have enrolled for different courses and disciplines in the college. Here education does not symbolize a pursuit for information alone but it also encompasses activities that strive for a holistic development of character with a commitment to build a strong knowledge base. This is achieved through the close association and overall contribution by the faculty, students and other staff of the college.

The Practice

Various interventions and mechanisms have been put in place aimed towards the overall growth of students and to make them responsible and good citizens.

Healthy Habits

Our college believes in the famous Urdu saying “Ek Sehat, Hazar Nemat” meaning ‘Health is Wealth’. This is done through awareness campaigns highlighting the importance of healthy diet and physical activity in our daily life. We feel proud to admit that ours is the first college under the University of Delhi that successfully made the campus ‘Pan Masala and Tobacco Free’ Zone in 2008. Further campaigns resulted in the young students being weaned away from relishing junk food and carbonated soft drinks on the campus. To add variety to fast food a *chaat* corner, providing traditionally famous Fresh Fruit Chaat, Chhole-kulche and other delicacies, a legacy of the old Delhi College, has been provided. We also have the distinction of being the first college under the University of Delhi, that established Safal food outlet of the Mother Dairy.

Medical Facility

Students may be in need of medical advice on their medical problems. The college has availed the part time services of two medical doctors, a female and male. They visit the college twice a week. A medical room with basic facilities has been made available for the use of the doctors. This provides an opportunity to the students to interact with the doctors and take necessary help.

Counsellor

The college has also made arrangements to have a faculty member from the Psychology department of the college to act as a counsellor. The counsellor, on her own initiative, offers her services for the help of the students. The counsellor holds regular interactive sessions with the students.

Guru- Shishya Parampara- Faculty Mentor Scheme

This scheme was introduced in 2007 to maintain the culture of “Guru-Shishya Parampara”, and Bhai- Chara. Respectable words like ‘Janab’, ‘Sahab’, ‘Guruji’, ‘Beta/e’ etc found their way into conversations in our college. In order to build a moral teacher-pupil relationship, one faculty member is made the mentor of a newly admitted student. The faculty member then has the responsibility to groom, guide and mentor the attached pupil throughout his/her stay in the college. Students are made to feel confident and encouraged to discuss any academic, personal or any other issue with their respective faculty mentors.

Friendly Campus Environment for Differently Abled Students

Keeping the needs of the differently abled students our college has made arrangements on the campus for such students. This is in the form of ramps, lifts installed in the Science, Arts and Commerce blocks. A washroom with easy access to facilities for differently abled students is available on the ground floor. Further, the college has taken initiatives to educate and sensitize the faculty, students and the employees towards the differently abled students.

Capacity Building

Every year competition is getting tougher. With increase in the number of student intake, the competition also increases. There is a need for improving and sharpening the student’s academic skills, language proficiency etc in order to have him successfully competes with others. Then, there is the matter of students coming from underprivileged and minority backgrounds. The college has tried to address these issues through the Equal Opportunity Cell that holds capacity building classes, English Remedial Classes etc for the SC/ST/OBC/Minorities students and also those who are differently abled. This was done under the UGC Merged Scheme.

Book bank and Multi-Media Library

Books are the source of knowledge and wisdom that helps in developing wisdom and intelligence. But they come at a huge cost, sometimes out of the reach of a student belonging to an average household. Easy and cheap access to these volumes of knowledge is of paramount importance. Our college boasts of having the largest book bank among all the colleges under the University of Delhi. This book bank is not just a library where one can refer any subject but it provides, free of cost, textbooks to students for the entire academic year. Four text books are provided to each student irrespective of his economic status. Apart from this printed material the

library also makes available material in electronic form that can be accessed through available computers.

Frontline Technology

The college has latest technologies that provide:

- Free of cost online access to internal assessment and attendance records on internet for students and faculty. ZHDC is the first college of Delhi University to create this facility free of cost.
- Audio-Visual rooms especially for workshops and seminars
- College Auditorium with capacity of 417 seats
- Well established and properly maintained laboratories and museum
- Computer labs

Book Fair

Bhisham Sahni is an acclaimed name in the field of literature. In 1952 he was appointed as Lecturer in English at the then Delhi College that now has the name ZHDC. The college is proud to have had him on the faculty. In order to honour him and expose the students to the writings of this great author a biennial book fare is organized by the college under the name 'Bhisham Sahni Book Fair'. The highly acclaimed exhibition includes fictional as well as non-fictional books. These books are available to the students at high discounts offered by publishers.

Sports

There can never be overall development of student without physical activity and sports. The college provides facilities and equipment for students to train and participate in various sports. These include games like cricket, basketball, volleyball, chess, judo, table tennis, boxing athletics etc. There is regular participation in college and inter collegiate competitions and meets. Not only this, friendly cricket matches between employees, faculty and students are organized and their success confirms the existence of trust and harmony among all. The prestigious Zakir Husain Football Tournament has been hosted since 1987 making us the winners on many occasions. These activities help not only in physical development of students but also inculcate a sense of discipline, competitiveness, team spirit and fair play.

Convocation

Conferring and receiving the degree after putting in many years of study is an occasion no recipient could afford to miss. Ours is the only college of Delhi University that organizes full dress convocation to award degrees and formally recognize its students. The convocation can be seen as an attempt on the part of the institution to strengthen the bonds between the college and its alumni.

National Service Scheme (N.S.S.)

The Government of India introduced the NSS programme with the aim to inculcate social welfare among the student community thereby serving the society unbiased. Our college acknowledges its responsibility towards the under privileged section of the society. It has an NSS unit. The NSS unit initiates and works on different projects related to social issues that benefit the society. By themselves being influenced through these projects the students become good and responsible citizens. Among the projects undertaken are the 'Campus Cleaning' and 'Reading for

the Blind'. A Dengue Awareness March was organized on September 24, 2015 and was a great success. The NSS also organises regular Blood Donation drives and sets up help desks at the time of admission to help students.

National Cadet Corps (N.C.C.)

The NCC came into existence on July 16, 1948 with the aim develop character, comradeship, capacity for youth leadership of the country. ZHDC is proud of the existence of NCC in the college. The NCC unit has attended NCC camps held in different parts of the country. Our NCC unit has not only participated but has also won appreciations and accolades for the college. It is to be mentioned specially that for last 17 years, cadets from our college are selected for the Republic Day Parade. Also, it is a great honour for the Cadets and college to be chosen to present the Guard of Honour to the Vice President and the Prime Minister of India.

Career Counselling and Placement Cell

As the name suggests this cell is involved in counselling and placement. In our college it does not limit itself to the above but it also prepares the student for his launch in the next phase of life confidently. For this different activities are undertaken by the cell. Over the last four years, 146 students have been placed in various capacities in various companies.

Girls' Association

With a view to makes girls independent, self-confident and ready to meet any eventuality, the college has initiated different programmes. The first and foremost need of the day is the ability to protect oneself from any physical assault. For this, in collaboration with the Delhi Police, lessons and training in self-defence are being given. Participation in activities like debates, cultural programmes etc help the girl gain self-confidence and the ability to face and address any gathering on any topic. Dramas, plays, skits etc help in gaining the much needed self-confidence. A female doctor visits the college and interacts with the girl students who can then have their queries on medical problems cleared. Competitions provide an opportunity to girls to showcase their talents and be noticed and appreciated. This opens up further opportunities for future. The girls are exposed to and educated about gender issues and women empowerment. Knowledge about such topics not only creates self-confidence but also helps to understand and face such issues boldly as they possess adequate knowledge about it. A counsellor is always available to help those in need of advice

Societies

Every college provides information that aims at developing the student's physical, intellectual, emotional and mental health. Eminent speakers are invited by departments to speak on topics of academic interest. ZHDC has a number of departments that form their own societies that focus not only on their subject but also interdisciplinary topics. Activities are organized throughout the academic year which helps in the overall development. Through these an effort is made towards humanistic and cultural development of students. Apart from the departmental societies there are some societies formed at college level to organize activities for the students. Some of these are:

- **Katha Club:** It organizes seminars, workshops, lectures, demonstrations and exhibitions on a wide range of subjects that enhance the cultural exposure and involvement of students. Here, there is a healthy interaction between the students and various personalities excelling in their fields, like theatre directors, poets, painters, musicians etc.

- **Bioscope Film Club:** The film society screens feature films and documentaries made by reputed national and international film makers, particularly those that are not usually available on the commercial circuit. Students are introduced to the special feature of the films prior to its screening and later followed by discussion.
- **Debating Society:** It organizes debates on current social, economic, environmental and educational issues to develop confidence in students. This helps connect students with the social, political and cultural reality of the society they are a part of.
- **Literary Societies:** Literature happens to be one of the passions with the students. The college boasts of different literary societies like an English Literary Society, a Bengali Literary Society, a Hindi Sahitya Sabha, a Bazm-e-Adab for Urdu and also a society for Persian and Arabic. A number of magazines are also published each year.
- **Arts and Cultural Society:** The college has always provided students an active platform to excel in cultural activities, considered as much a part of personality development as is academic pursuits. The society tries to inculcate in the students a sense of their cultural values and helps them understand the importance of preserving their rich arts and cultural heritage. It has regularly offered students the opportunity to show case their talents in singing, acting, dancing etc.
- **Nature and Environment Club:** The club plays its role in sensitizing the students and faculty about environmental issues. It promotes the idea of sustainable development through engaging students in debates, panel discussion, and screening of films, competition and visits to National Parks.
- **Quiz Society:** ‘Quintessence’ is a name given to the college society that organizes intra and inter college quiz competitions. It not only makes the participant and the audience get an idea of their knowledge of the subject but also acts as a catalyst to refer and improve the knowledge post quiz. Such activities motivate the student to keep abreast with the latest and this helps him in future competitions.
- **Gandhi Study Circle:** The society helps in familiarizing students with Gandhian concepts and values through the regular conduct of seminars, debates and discussions, in which Gandhian scholars are invited.

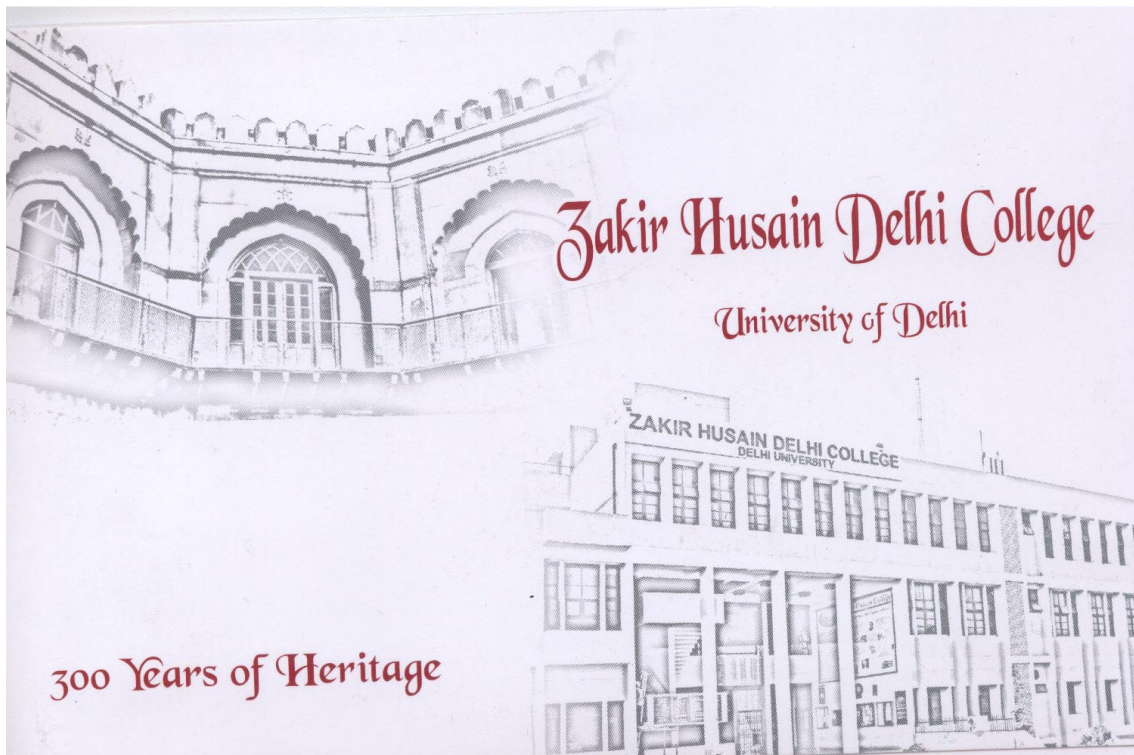
Evidence of Success

The success and effect of the numerous programmes initiated by the college resulted in students not only bringing laurels to the college in the academic field but also from the placement of ex students in good companies and firms. An appreciable number of students have made their name in the academic field. There is a visible increase in the number of fresh students seeking admission to various courses offered by the college. Overall participation of girls in various activities and programmes has substantially increased compared to the previous years. The girls, over the years, have won maximum prizes in flower shows held each year. They have not lagged behind in winning prizes in both academic and co-curricular activities.

Problems encountered and Resources required

Except for the discontinuation of the UGC Merged Scheme for SC/ST/OBC/Minorities most of the activities did not encounter any problems. There are some students who are eager to participate in the activities of the various societies in college; however, they find it unable to do so due to the long distances they have to travel between their place of residence and college on a daily basis.

Departmental Profiles



EVALUATIVE REPORT OF THE DEPARTMENT OF ARABIC

1. Name of the Department: ARABIC

2. Year of Establishment: 1948

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

- i. B.A.(H)
- ii. B.A. (Prog.)
- iii. M.A.

4. Names of Interdisciplinary courses and the departments/units involved

B.A. (Prog.) involved in departments like History, Political Science, Economics, Urdu, Persian and English.

5. Annual/ semester/choice based credit system (programme wise): 2nd and 3rd Year (Semester system), 1st Year (CBCS)

6. Participation of the department in the courses offered by other departments: No

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: No

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	NIL	NIL
Assistant Professors	04	03 (Permanent) ; 01 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	Ph.D. Students guided for the last 4 years
Dr. Mohd. Qasim	Ph.D	Assistant Professor	Modern Arabic Lang.	6	
Dr. Md. Obaidullah Urf Mohiuddin	Ph.D	Assistant Professor	Arabic Lang. & Literature	5	
Dr. Sayed Mohammad Tariq	Ph.D	Assistant Professor	Arabic Language & Literature	5	
Dr. Amir Jamal (Adhoc)	Ph.D	Assistant Professor	Arabic Language & Literature	4	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

B.A. (Hons.)			B.A. (Prog.)		
Semester	Classes taken by Permanent Faculty	Classes taken by Temporary Faculty	Semester	Classes taken by Permanent Faculty	Classes taken by Temporary Faculty
II (Arabic)	3/14	11/14	II (Disc.)	---	7/7
Percentage	21.42%	78.57%	Percentage	0%	100%
II (G.E.)	---	6/6	II (CCMIL)	---	7/7
Percentage	0%	100%	Percentage	0%	100%
II (AECC)	---	4/4	IV (Disc.)	4/5	1/5
Percentage	0%	100%	Percentage	80%	20%
IV (Arabic)	18/18	---			
Percentage	100%	0%			
IV (DCCC)	4/4	---			
Percentage	100%	0%			
VI Arabic	19/24	5/24			
Percentage	79.16%	20.83%			
Total	44/70	26/70	Total	4/19	15/19
Percentage	62.85%	37.14%	Percentage	21.05%	78.94%

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 15 Students/Teacher (15:1)
- B.Sc. (Prog): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

- a) Dr. Mohd. Qasim - M.Phil., Ph.D
- b) Dr. Md. Obaidullah Urf Mohiuddin- Ph.D
- c) Dr. Sayed Mohammad Tariq - M.Phil., Ph.D
- d) Dr. Amir Jamal (Adhoc) - M.Phil., Ph.D

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: No

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: No

18. Research Centre /facility recognized by the University: Yes

19. PUBLICATIONS: (See Annexure I-III)

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards.... None

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: None

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: None

23. Awards / Recognitions received by faculty and students: None

24. List of eminent academicians and scientists / visitors to the department: NA

25. Seminars/ Conferences/Workshops organized & the source of funding: None

26. Student profile programme/course wise:

2013					
Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
BA (Hons.) Part-I	No records		18	Pass: 10, ER*:6, F: 2 Pass: 55%	
BA (Hons.) Part-II	No records		10	Pass: 1, ER*:9, F:0 Pass: 10%	
BA (Hons.) Part-III	No records		5	Pass: 5, ER*:0, F:0 100%	

2014					
Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
BA (Hons.) Part-I	No records		14	Pass: 13, ER*:0, F: 1 Pass: 92%	
BA (Hons.) Part-II	No records		17	Pass: 1, ER*:16, F:0 Pass: 0.05%%	
BA (Hons.) Part-III	No records		10	Pass: 4, ER*:6, F:0 40%	

2015					
Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
BA (Hons.) Part-I	No records		12	Pass: 12, ER*:0, F: 0 Pass: 100%	
BA (Hons.) Part-II	No records		10	Pass: 10, ER*:0, F:0 Pass: 100%	
BA (Hons.) Part-III	No records		23	Pass: 14, ER*:9, F:0 61%	

* ER : Essential Reappear

List of Students (Male/Female) enrolled in the academic session 2015-2016.

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female

Name of the Program (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
BA (H) Part-I (CBCS)	No records	13	2		
BA (H) Part-II	No records	10	1		
BA (H) Part-III	No records	8	2		
MA (Arabic) Part-I	No records	23	0		
MA (Arabic) Part-II	No records	15	0		

27. Diversity of Students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BA (H) Part-I (CBCS)		33.33%	66.66%	NIL
BA (H) Part-II		45.45%	54.54%	NIL
BA (H) Part-III		60%	40%	NIL
MA Part-I		21.73%	78.26%	NIL
MA Part-II		0%	100%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No records

29. Student progression

Student progression	Percentage against enrolled
UG to PG	60 %
PG to M.Phil, DM / M Ch / DNB	10 %
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	No
• Other than campus recruitment	No
Entrepreneurs	No

30. Details of Infrastructural facilities

- i. **Library:** We do not have dept. library but we have a special section of Arabic books in the library
- ii. **Internet facilities for Staff & Students:** Yes, Available (Students & Teachers can avail the facility in the college Library)

Class rooms with ICT facility: Yes, available on demand

- iii. **Laboratories:** NIL

31. **Number of students receiving financial assistance from college, university, government or other agencies:** No records

32. **Details on student enrichment programmes (special lectures / workshops /seminar) with external experts**

- a) "Moderate Way in Islam" by Dr. Jasser Auda, Deputy Director of Research Center for Islamic Legislation & Ethics, University of Qatar
- b) "Understanding Qur'anic Arabic" by Dr. Irfan Ahmad Khan, Director of AQU, Chicago, (USA)
- c) "Arabic Language & Its relevance" by Dr. Wali Akhtar, Department of Arabic, Delhi University,
- d) "Modern and Innovative Methods of Teaching and Learning Functional Arabic" by Dr. Mohammad Saleem, IGNOU.
- e) Proficiency in Arabic: Ways & Methods, Mr. Anisur Rahman, Retired Associate Professor, Department of Arabic, Zakir Husain Delhi College, University of Delhi.

33. Teaching methods adopted to improve student learning

- 1) Computer-Based Learning Practices
- 2) Student-Centered Teaching Methods
- 3) Group Discussions
- 4) Interaction with people from Arabic speaking countries.
- 5) Debate & Discussion
- 6) Presentation: Oral/PowerPoint

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- a) Students have actively participated in the functions organized by the Arabic society Al Nadi Al Arabi. These functions include Fresher's Party, Poetry Competition, Oratory Competition.
- b) Faculty members always register their participation in the form of duties and other activities related to different functions and events organized by the college.

35. SWOC analysis of the department and Future plans

STRENGTHS

1. Availability of useful rare books for learning Arabic language.
2. Cordial relationship between faculty members.
3. Hardworking and willing to work.
4. The oldest Arabic Department in Delhi
5. Close proximity with Urdu speaking populous

WEAKNESSES:

1. Lack of Permanent Faculty Members
2. Unavailability of Language Lab
3. Lack of ICT enabled classrooms.
4. Unavailability of chambers for faculty to carry out research work.
5. Lack of funds for the subscription of national and international journals.

OPPORTUNITIES:

1. Presence of many other academic institution in nearby locations,
2. Availability of job opportunities in MNCs in Delhi and NCR.
3. Availability of representative offices of the Arab nations in addition to academic jobs.
4. Job opportunities around the globe particularly in MENA countries.
5. Job opportunities at UN offices due to Arabic being one of its official languages.

CHALLENGES:

1. Unavailability of Arabic Newspapers, Magazines,
2. Lack of audio-visual material with copyright.
3. To help students of economically weaker background become literate and good citizens who could serve the society.

FUTURE PLANS

1. To publish a departmental journal
2. To organize lectures and seminars
3. To conduct Inter-college literary competitions.
4. To conduct inter-university literary competitions.

ANNEXURE-1

RESEARCH PAPERS:

By Dr. Mohd. Qasim

1. Research paper titled “Dr. Ijteba Nadwi: A Great Scholar of 20th Century in India”, published in *Thaqafat-ul-Hind*, ICCR, New Delhi-2, ISSN: 09703713, Volume:66, No. 2, 2015. Pages. 163-180.

By Dr. Md. Obaidullah Urf Mohiuddin

1. Scrapping Arabic and Persian languages from UPSC examination shocks Muslims in India, *Eastern Crescent* (an English monthly), Markaz Media & Publication Pvt.Ltd., Mumbai, Page no. 39-40, Issue: April, 2014, ISSN: 2347-8969.

By Dr. Sayed Mohammad Tariq

1. Contribution of Al-Shaikh Abul Hasan Ali Al-Nadwi to the Children's Literature in Arabic with reference to his books *Qisas Al-Nabiyyin & Al-Qira'at Al-Rashida* (مساهمة الشيخ أبي الحسن (علي الندوي في أدب الأطفال العربي في ضوء كتابيه قصص النبيين والقراءة الراشدة), *Thaqafatul Hind*, ISSN: 0970-3713, Volume: 64, No: 4, 2013, Pages:1-33
2. Dr. Zakir Husain: An Educationist (الدكتور ذاكر حسين: أحد المخططين الرئيسيين للتعليم) *Thaqafatul Hind*, ISSN: 0970-3713, Pages: 1-21
3. *Ar-Rubul Khali* (Urdu), *Journals Urdu Science*, ISSN: 09715711, Pages: 32-34
4. *Al-Huqooq Wal Faraiz* (Urdu) *Journals Fikr-e-Nao*, ZHDC, 2012-13, Pg: 177
5. *Ek Mohaqqiq* (Urdu) *Journals Urdu Science*, ISSN: 09715711, Pages: 30-32.

By Dr. Amir Jamal

1. Research Paper entitled "المراة المصرية و فن الرواية العربية" (The Egyptian Woman & the Art of Arabic Novel), *Vidya Vimarsha*, Vol.1/No.2/2014, ISSN: 2348-1668. Pages: 206-214
2. Research paper entitled "Struggle for Women's Emancipation in Egypt: As Represented in Arabic Literature" (النضال من أجل تحرير المرأة: كما تمثل في الأدب العربي), *International Journal of Development Studies & Research*, Vol-2, No-4 (Oct 2013-Dec 2013), ISSN No. 2278-8654. Pages: 215-220.
3. Research paper entitled "عيد ركشا بندهان" (Raksha Bandhan), published in *Thaqafatul-Hind*, ICCR, New Delhi-2, ISSN: 0970-3713, Volume:67, No. 1, 2016. Pages. 94-102.

ANNEXURE-2

CHAPTERS IN BOOKS:

By Dr. Mohd. Qasim

1. A chapter “Arabic Books on Children Literature by Indian Scholars” in the book “*Al-Thaqaafatul-Arabiyya fil-Hind*”, published by *Wojoo Publishing and Distribution House*, Riyadh, KSA, 2015, ISBN: 9876039066422, Pages. 317-321.

ANNEXURE-3**PUBLICATIONS (WITH ISBN):****By Dr. Sayed Mohammad Tariq**

No.	Title of Book	Publisher	ISBN	Year
1.	أدب الأطفال العربي في الهند (Children's Literature in Arabic in India)	Al-Hadi Li Al-Dirasat Al-Arabiyya Al-Hindiyya, New Delhi	9769351379508	2013

By Dr. Amir Jamal

No.	Title of Book	Publisher	ISBN	Year
1.	English - Arabic Cindrella سندريلا	Tales & Fables , Star Publishing Group, New Delhi	9789382809395	2013
2.	English - Arabic Jack & the Beanstalk جاك والفاصوليا	Tales & Fables , Star Publishing Group, New Delhi	9789382809296	2013
3.	English - Arabic Three Little Pigs ثلاثة خنازير صغيرة	Tales & Fables , Star Publishing Group, New Delhi	9789382809210	2013
4.	English - Arabic Sleeping Beauty الجمال النائم	Tales & Fables , Star Publishing Group, New Delhi	9789382809104	2013
5.	English - Arabic Snow White & Seven Dwarfs إسنو و انت وسبعة أقزام	Tales & Fables , Star Publishing Group, New Delhi	9789382809012	2013
6.	English - Arabic Little Red Riding Hood طفلة ذات القبعة الحمراء	Tales & Fables , Star Publishing Group, New Delhi	9789382809494	2013
7.	Arabic Learn the Easy Way تعلم اللغة العربية بطريقة سهلة	Goodword Arabic Learning Series, New Delhi	9788178989952	2014

EVALUATIVE REPORT OF THE DEPARTMENT OF BENGALI

1. Name of the Department: BENGALI

2. Year of Establishment: 1963

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

- i. B.A.(H) Bengali
- ii. B.A. (Program)— Bengali
- iii. B.Com. (Program)

4. Names of Interdisciplinary courses and the departments/units involved

Name of Course	Departments Involved
B.A. Programme	English, Political Science, History, Economic

5. Annual/ semester/choice based credit system (programme wise)

Name of Course	System of Syllabus
B.A. (H) Bengali 1 st Year	Choice Based Credit System
B.A. (H) Bengali 2 nd & 3 rd Year	Semester System
B.A. (Program) 1 st Year	Choice Based Credit System
B.A. (Program) 2 nd Year	Semester System

6. Participation of the department in the courses offered by other departments

- Generic Elective papers for the students from the other departments.
- Skill Enhancement Elective papers for the students from the other departments.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	01	01
Assistant Professors	02	01 (Permanent) ; 01 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	Ph.D. Students guided for the last 4 years
Dr. Shamistha Sen	PhD	Associate Professor	19 th Century Bengali Literature	28	1
Dr. Audwittee Banerjee	PhD	Associate Professor	Bengali Novels & Women's Studies	15	
Mr.Tilak Sarkar	MA	Assistant Professor	Bengali Nonsense Writings	02	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

- B.A. (Hons): 47%
- B.A. (Prog): 80 %

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 06 Students/Teacher (06:1)
- B.Sc. (Prog): 10 Students/Teacher (10:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Teaching Faculty
PhD	2
M.A.	1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: One Research Centre recognized by University of Delhi

19. PUBLICATIONS: (See Annexure-I)

Name	Publications	H-Index	Books Written	Chapters Written	Books/Chapters Edited
Dr. Shamistha Sen	7	0	1	2	0
Dr. Audwittee Banerjee	6	0	1	1	0
Mr.Tilak Sarkar	6	0	0	1	0

20. Areas of consultancy and income generated: NIL

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....

Dr. Sharmistha Sen

- i. Life member, International Society for Bengal Studies.
- ii. Life Member, Bangiya Sahitya Parishat, Kolkata.
- iii. Member of editorial board of CBSE Exam Committee.

Mr. Tilak Sarkar

- i. Member of editorial board for Journal Mahanagar.

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists / visitors to the department

- i. Shri.Nabarun Bhattacharya (Novelist)
- ii. Prof. Tanika Sarkar (Department of Social Science, JNU)
- iii. Prof. Shirshendu Chakraborty (Department of English, DU)
- iv. Prof. NirmalKantiBhattyacharjee (Chairperson of K.K. Birla Foundation, Delhi)
- v. Prof. Jayanti Chattopadhyay (Department of MIL and LS, DU)
- vi. Prof. NanditaBasu (Department of MIL and LS, DU)
- vii. Dr. Amitava Chakraborty (Department of MIL and LS, DU)
- viii. Prof. SubhaDasgupta (Department of MIL and LS, DU)
- ix. Shri. Sudhir Chanda (Artist & Singer)

25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.A.(H) Bengali		21	14	7	100%
B.A.(P) Bengali		14	6	8	100%
G.E.(Other Hons) CBCS		3	2	1	
AECC (P) CBCS		5	5	0	

27. Diversity of Students

Name of the Course	% of students from the same state (Delhi)	% of students from other States	% of students from abroad
B.A.(H) Bengali	62%	38%	0
B.A.(P) Bengali	57%	43%	0

G.E.(Other Hons) CBCS	25%	75%	0
AECC (P) CBCS	20%	80%	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Data Available

29. Student progression

Student progression	Against % enrolled
UG to PG	70
PG to M.Phil.	NA
PG to Ph.D.	15
Ph.D. to Post-Doctoral	NA
Employed	None
• Campus selection	80
• Other than campus recruitment	
Entrepreneurship/Self-employment	20

30. Details of Infrastructural facilities

- i. **Library:** Ample space (racks) has been provided in the library for displaying Bengali books
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** 2 Classrooms
- iv. **Laboratories:** NA

31. Number of students receiving financial assistance from college, university, government or other agencies: NIL

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Lectures delivered in the Department

Name	Topic
Prof. Shubha Dasgupta, Deptt. of MIL and LS, DU	The 'other' woman in the writings of Women, 29 th Feb. 2016.
Dr. Amitava Chakraborty, Deptt. of MIL and LS, DU	Politics of Aesthetic: 20 th Century Literary Discourse, 10 th March 2015
Prof. Nandita Basu, Deptt. of MIL and LS, DU	HutomPecharNaksha and Scroll Painting, 31 st April, 2014
Prof. Jayanti Chattopadhyay, Deptt. of MIL and LS, DU	History of RabindraSangeet, March 2013

33. Teaching methods adopted to improve student learning

- i. Class teaching with theory.
- ii. Interaction with students on various topics.
- iii. Showing famous films & Documentaries.
- iv. Taking students to archives, museum or places of historical importance.
- v. Taking students to other colleges for lectures/seminars/debating and cultural activities.
- vi. Introducing them to the Bengali e-sources.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Faculty:

- Organizing Lectures/seminars in college & outside.
- Organizing cultural activities.
- Organizing trips to museum and other places.
- Working as members of various committees such as Internal Complaints committee against sexual harassment, Lecture committee, convocation committee, Admission committee, Girls Association, Student's Election, Arts & Culture Society, Bengali Literary Society & Magazine Committee.
- Working as members of committee of courses in deptt of MIL & LS DU (Shaping syllabi for semester mode, FYUP and CBCS)
- Working as conveners for various examinations
- Working with CBSE.
- Working with other University's exam-system

Students:

- Bengali Literary Society.
- Magazine
- Cultural activities in college and outside
- Working with their teachers for ICC & other committees.
- Students win prizes and certificate in inter-college activities in Bengali.

35. SWOC analysis of the department and Future plans

Strengths:

- i. Competency & Capability of Faculties. All our Teachers are Ph.D. & NET qualified & their knowledge-base is very solid
- ii. Student-teacher relation. Personal interactions sort out anything & everything.
- iii. This is the only institution under Delhi University where male students can pursue B.A (H) Bengali Course & our deptt. give 100% result.
- iv. Though we are far away from main stream Bengali Cultural ambience, still our students & teachers are participating in more activities regularly to maintain our Tradition & Heritage.
- v. Students are obedient, culturally motivated, and creatively talented.

Weaknesses:

- i. Due to job-oriented & financial pressure from the society, all vernacular languages are suffering now of scarcity of students. Ours is no exception.
- ii. West Bengal are the main source of supplying students here, unavailability of hostels is a major weakness for us. Outstation students can't come at a large number in our deptt.
- iii. Though Bengali literature has a rich heritage, students cannot be introduced to that heritage completely because of shortage of time and their commitment to other activities and semester-bound curriculum.
- iv. Bengali language and literature Study in Delhi is in continuous struggle against other dominant languages (English & Hindi).

Opportunities:

- i. Creating job opportunities in Media, Translation Work, Interpretation etc. in Publishing Houses, Satellite TV Channels, Embassies, Travel & Tour Companies,
- ii. Providing scopes to students to be graduate with comparatively low aggregate in the entry-point.
- iii. Male Students can opt for B.A (Hons) Bengali, only in our college in Delhi. Nurturing young minds to discover their roots & to respect their reach heritage for becoming refined human beings in future.
- iv. Contributing to improve the multi-lingual culture & plurality of society in our Country.

Challenges:

- i. Struggling to continue & improve our existence with a vernacular language in somewhat an adverse situation
- ii. Limited number of students & sometimes lack of their genuine passion for the subjects.
- iii. Logistics for buying Bengali Books from Kolkata
- iv. Sometimes arranging sufficient funds creates challenging situations.
- v. Providing job opportunity to Bengali students.

FUTURE PLANS:

- 1) We may take major Projects offered and funded by other institutions, provided we have a good body of permanent faculty
- 2) We Plan to hold national and international level seminars and cultural programmes in college in coming years.
- 3) Will adopt other modes of teaching in future

Annexure-I

Publications in Journals

Dr. Sharmistha Sen

H-index of the author	0								
Title	Journal	Year, vol. & page no.	ISSN no.	Whether peer reviewed	Impact factor (if)	Citation index	SNI P	SJR	Name of international database in which
1. AbadhyaMeyeder Ma: NaribadiKobiderMatrich itran	Samaj SahityeNari	2013	978-81-9108-32-3-						

2. Longtarai	Bimal Singh: Jiban O Sahitya	2014	81- 89311 -67-0						
3. AndamanerBanglacharc a	Saparja	2014	2321- 4511						
4. BidhabarBiye: Samaje O Sahitye	SKSEW	2014	2347- 2898						
5. RupkatharPunarnirman	Mahanagar	2015	2394- 4439						

Dr. Audwittee Banerjee

H-index of the author	0								
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Bangla Sahitya: Punorpath O Punorbibechana			81- 86946 -01-2						
2. ArabyaRajani: Naribadi Path	EbangM ushayera	2002	5319 3/94						
3. UnishSatakerAntopur ePalabadalerRuprekha	EbangM ushayera	2002	5319 3/94						
4. Rabindra- UpanyaseNariSwatantra: ChutarangaerDamini	New Outlook	1994	1433 3/57						

Mr. Tilak Sarkar

H-index of the author	0								
Title	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. MahaswetaDevirChot oGalpePratibaderKanthaswar	Kristi	2013	2348- 8468						
2. Amiya Chakraborty: Kalchetana O samajsachetana	Kristi	2014	2349- 4439						
3. AshaniSanket	Kristi	2015	2348- 8468						

4. Ashanisanket: Samaj O Samajbastabata	Mahanagar	2015	2349-4439						
5. Upanyase Nimnabargiya Bhabna	Mahanagar	2014	2348-8468						

Books Written / Edited Books

Dr. Sharmistha Sen

Title of Books	Publication Type	Book ISBN	Refereed or Not	Publisher City & Year	Sole/Co-author
Bangal Sahitye Bidhaba Chitran	Research Work	NA	NA	Kolkata, 2007	Sole

Dr. Audwittee Banerjee

Title of Books	Publication Type	Book ISBN	Refereed or Not	Publisher City & Year	Sole/Co-author
Duyar Kholardhwani	Research Work	NA	NA	Kolkata,	Sole

Chapters in Books

Dr. Sharmistha Sen

Title of Book	Publication Type	Book ISBN	Refereed or Not	Publisher City & Year	Sole/Co-author	Monograph
Samaj O Sahitye Nari	Research Work	978-81-910832-3-7	NA	Kolkata, 2013	Sole	NA

Dr. Audwittee Banerjee

Title of Book	Publication Type	Book ISBN	Refereed or Not	Publisher City & Year	Sole/Co-author	Monograph
Asthadas Shatabdir Bangla Sahitya Punorpath O punorbibechona	Research Work	81-86946-01-2	NA	Kolkata, 2006	Sole	NA

Tilak Sarkar

Title of Book	Publication Type	Book ISBN	Refereed or Not	Publisher City & Year	Sole/Co-author	Monograph
Bangla Kathasahitya: Kalamer Tane Samayer	Research Work	978-93-82251-118	NA	Kolkata, 2013	Sole	NA

EVALUATIVE REPORT OF THE DEPARTMENT OF BOTANY

1. Name of the Department: BOTANY

2. Year of Establishment: 1952

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

- M. Sc. (Botany)
- B.Sc. (Hons.) Botany
- B.Sc. (Life Science)

4. Names of Interdisciplinary courses and the departments/units involved

Environmental Science and Generic Elective courses are being offered to B.A. (Hons.)/Program, B. Com. (Hons.)/ Program, B.Sc. (Hons.)/Life Science/ Physical Science

5. Annual/ semester/choice based credit system (programme wise)

Semester and choice based credit system (CBCS)

6. Participation of the department in the courses offered by other departments

- **Generic Elective paper** to science departments such as Zoology, Chemistry, Physics, Electronics and Maths.
- **Environment Science paper** to students from all departments (shared with Zoology)

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	05	05
Assistant Professors	06	04 (Permanent) ; 01 (Temporary); 01 (Adhoc)

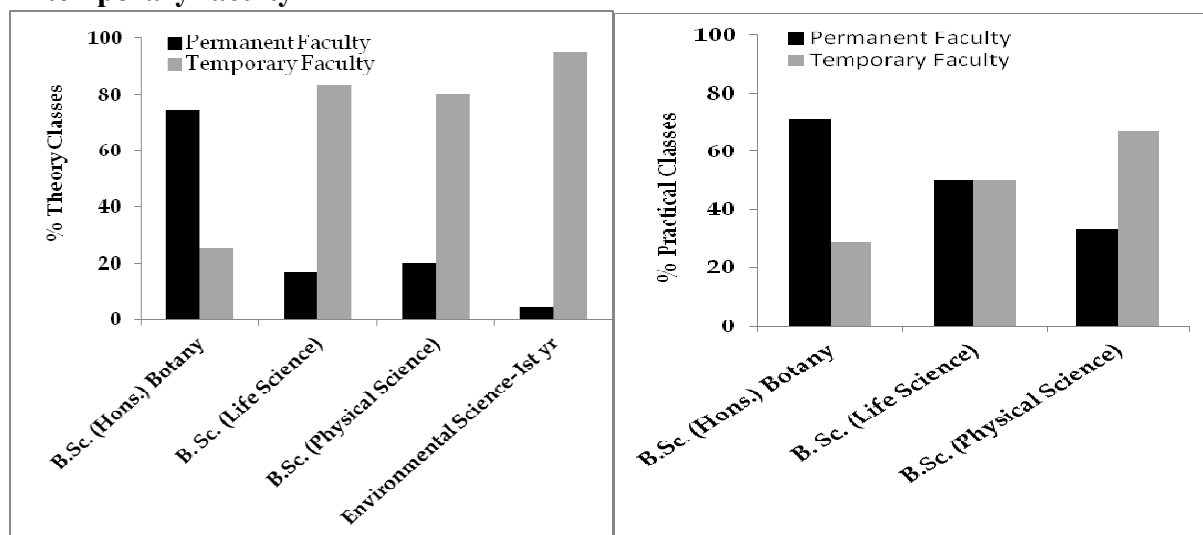
10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Reeta Khosla	Ph.D	Associate Professor	Environment & Genetics	42 Years	None
Dr. Mrinal Bhargava	Ph.D	Associate Professor	Reproductive Biology & Phycology	35 Years	None

Dr. Malti Gupta	Ph.D	Associate Professor	Angiosperms Embryology & Anatomy & Plant Physiology	28 Years	None
Dr. Ratnum Kaul Wattal	Ph.D	Associate Professor	Plant Biochemistry & Cell Biology	26 Years	None
Dr. Babeeta C. Kaula	Ph.D	Associate Professor	Plant Breeding & Cytogenetics	18 Years	None
Dr. Devayani Muley	Ph.D	Assistant Professor	Plant Pathology	10 Years	None
Dr. Savindra Kumar	Ph.D	Assistant Professor	Applied Phycology & Biochemistry	1 Year	None
Dr. Mohammad Wahid Ansari	Ph.D	Assistant Professor	Plant Physiology & Biochemistry	5 Years	None
Dr. Tabassum Jehan	Ph.D	Assistant Professor	Molecular Systematic	7 Years	None
Dr. Ashima Khurana	Ph.D	Assistant Professor	Plant Physiology & Plant Tissue Culture	5 Years	None
Dr. Deepika Sharma	Ph.D	Assistant Professor	Microbial Ecology and Plant -Microbe Interactions	2 Years	None

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty



13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 15 Students/Teacher (15:1)
- B.Sc. (Life Science): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Sanctioned-11 (Filled-9) & Museum Curator- 1 (shared with Department of Zoology)

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

All 11 faculties have Ph.D. degree

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Number of faculty	National funding agencies	Grants received
Dr. Mohammad Wahid Ansari	DST	19.39 lakhs
Dr. Ratnum K. Wattal	DU	3.5 lakhs

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name of the project	Name of Coordinator	Amount Received	Funding Agency
Assessment of cytotoxicity and genotoxicity of Yamuna water on plant based bioassay on <i>Allium cepa</i> (2013-15)	Dr. Ratnum Kaul Wattal	5 lakh	Research Council, University of Delhi
Use of innovative raw materials for handmade paper making (2013-2015)	Dr Babeeta C. Kaula (Shared jointly with Dr. Sangeeta Pandita and Dr. Sarita Passey)	4.5 lakhs	Research Council, University of Delhi

18. Research Centre /facility recognized by the University: None**19. PUBLICATIONS: (See Annexure-I)**

Faculty Name	Publications	Chapter in Books	Books Edited	Books
Dr. Reeta Khosla	2	-	-	1
Dr. Mrinal Bhargava	5	1	-	-
Dr. Malti Gupta	3	-	-	-
Dr. Ratnum Kaul Wattal	2	1	-	-
Dr. Babeeta Chrungu Kaula	5	4	-	-
Dr. Devyani Muley	2	-	-	-
Dr. Savindra Kumar	3	6	-	-
Dr. Mohammad Wahid Ansari	42	3	-	-
Dr. Tabassum Jehan	5	1	-	-
Dr. Ashima Khurana	6	3	-	-
Dr. Deepika Sharma	5	-	-	-

20. Areas of consultancy and income generated: None**21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....**

Faculty	National committees
Dr. Reeta Khosla	Trustee of NGO- Vidya Roshan Charitable Trust
Dr. Mrinal Bhargava	Life member, Delhi University Botanical Society
Dr. Malti Gupta	Life member, Delhi University Botanical Society
Dr. Ratnum K. Wattal	<ul style="list-style-type: none"> Life member, Delhi University Botanical Society Member of Courses Committee, University of Delhi, (2001) Member of the Curriculum Development Committee for Botany (2004) University of Delhi Member of the Textbook Development Committee of NCERT: Biology Text Book for Class XI (2006). Member of Course Writer's Committee for the Course Titled: Cell and Molecular Biology (LSE-01) Indira Gandhi National Open University, Delhi. (2009)
Dr. Babeeta C. Kaula	<ul style="list-style-type: none"> Science Setu – Nodal person Life member, Delhi University Botanical Society
Dr. Savindra Kumar	Life member - Indian Phycological Society

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

Sl. No	Course	Students in-house projects (%)
1.	Plant Physiology	100
2.	Plant Ecology	100
3.	Economic Botany	100
4.	Environmental Management	100
5.	Innovation Projects	
	2013-2015	11
	2015-2016	5

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

Science Setu 2015-16: National Institute of Immunology (NII) training program was attended by 6 students 2 each from Botany, Zoology and Chemistry Departments.

23. Awards / Recognitions received by faculty and students

Faculty

- **Dr. Reeta Khosla** was awarded with 'The P.G.D.A.V. College Cup', 'The Vallabh Bhai Patel Chest Cup' and 'The V.P. Singh Cup' in 58th Annual Flower Show, University of Delhi in 2016.
- **Dr. Mohammad Wahid Ansari** has been recently awarded with "Best research paper award" by Governor of Uttarakhand in 2015.
- **Dr. Ratnam K. Wattal** has been awarded with 'Women Achiever Award' by National Commission for Women in 2014.

- **Dr. Reeta Khosla** was awarded ‘The P.G.D.A.V. College Cup’, ‘The Vallabh Bhai Patel Chest Cup’, ‘The V.P. Singh Cup’ and ‘The Jewellers Cup’ in 54th Annual Flower Show, University of Delhi in 2012.
- **Dr. Reeta Khosla** was awarded ‘The Vallabh Bhai Patel Chest Cup’, and ‘The Jewellers Cup’ in 52nd Annual Flower Show, University of Delhi in 2010.
- **Dr. Malti Gupta** has been awarded with “ISCA Young Scientist award” in 1987.

Students

Student Name	Roll Number	Scholarship	Year
Dhrouba Jyoti Das	15/35	Ishan Uday Special Scholarship Scheme for North Eastern Region, UGC	2015-16
Sairem Bandana Devi	15/131	Ishan Uday Special Scholarship Scheme for North Eastern Region, UGC	2015-16
Laxmi Langpoklakpam	15/503	Scholarship for Higher Education (SHE) under Inspire scheme, DST	2015-16
Irengbam Victoria	15/512	Scholarship for Higher Education (SHE) under Inspire scheme, DST	2015-16

24. List of eminent academicians and scientists / visitors to the department

- Dr. P.S. Johar- USDA
- Dr. S. Natesh – Senior Scientist, DBT
- Dr. Subodh Sharma, Joint Secretary, Ministry of Environment, Forest and Climate Change
- Prof. Suman Lakhanpal – Department of Botany, University of Delhi
- Prof. Anju Srivastava – Department of Zoology, University of Delhi
- Prof. K.C. Bansal – Director, NBPGR
- Prof. Radhey Shyam -Department of Environment Science, University of Delhi
- Prof. Vani Bharamchari – ACBR, University of Delhi
- Prof. Rajesh Tandon - Department of Botany, University of Delhi
- Dr. Shams Yazdani – Scientist, ICGEB
- Professor Deepak Pental, Ex- Vice Chancellor of University of Delhi
- Professor Ved Pal Singh, Head, Department of Botany, University of Delhi
- Professor S.R. Bhat, Principal Scientist, NRCPB, IARI, New Delhi
- Dr. Vibha Dhawan, Director,(TERI) New Delhi
- Dr. Harsh Chauhan, Assistant Professor, Dept of Biotechnology, IIT Roorkee
- Dr. Rahul Kumar, DST-Inspire Faculty, University of Hyderabad, Hyderabad
- Dr. Girish Mishra, Assistant Professor, Dept of Botany, University of Delhi
- Dr. Nidhi Dutta, Liaison Officer, ICGEB, New Delhi
- Dr. Vibha Ahuja, Chief General Manager, Biotechnology Consortium of India Ltd.(BCIL)
- Dr. Ravi Khetrapal, Regional Advisor, Strategic Science Partnerships, CABI, South Asia

25. Seminars/ Conferences/Workshops organized & the source of funding

Title of the Conference/ Workshop	Name of organizer	Source of funding
Biotechnology in Crop Improvement: Prospects and Challenges (2016)	Dr. Malti Gupta	National Symposium Funded by DBT, INSA and UGC
Stem Cells	Dr. Babeeta C Kaula	Event was executed under the aegis of

Hype and Reality (2015-2016)	(Nodal Person)	Science –Setu, A MoU signed between NII and ZHDC – a Government of India initiative Funded by NII and ZHDC
National symposium on revisiting Darwin: Natural Theory Vs Social Practices (2009)	Dr. Ratnum Kaul Wattal	National symposium Funded by DBT
Workshop on “ Biodiversity, Bio-prospecting and reproductive Biology in relation to Biotechnology (2000)	Dr. Reeta Khosla and Dr. Mrinal Bhargava	Funded by DBT
Frontiers of Biotechnology(1997)	Dr. Reeta Khosla	Funded by DBT
Workshop on Biotechnology (1993)	Dr. Ratnum Kaul Wattal and Dr. Malti Gupta	Funded by ZHDC
Workshop on water pollution (1992)	Dr. Ratnum Kaul Wattal and Dr. Malti Gupta	Funded by ZHDC

26. Student profile programme/course wise:

Name of the Course/programme	Applications received in Year	Selected	Enrolled		**Pass percentage
			Male	Female	
B.Sc. (Hons.) IIIrd Year Botany (2015)	Centralized application form by DU	17	9	8	100
B.Sc. (Hons.) IIIrd Year Botany (2014)	-Do-	22	14	8	100
B.Sc. (Hons.) IIIrd Year Botany (2013)	-Do-	19	11	8	100

**This also includes students with ER.

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. (H) Botany	45.07%	54.9%	0
B.Sc. Life Science	60%	40%	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Record

29. Student progression

Student progression	Against % enrolled
UG to PG	55.5% (2010 Batch) 41.6% (2011 Batch) 37.5% (2012 Batch)
PG to M.Phil.	8.3% (2011 Batch) 6.25% (2012 Batch)

PG to Ph.D.	5.5% (2010 Batch) 16.6% (2011 Batch)
Ph.D. to Post-Doctoral	No record
Employed • Campus selection • Other than campus recruitment	None No record
Entrepreneurship/Self-employment	No record

30. Details of Infrastructural facilities

- i. Library: Departmental Reference Library
- ii. Internet facilities for Staff & Students: Wi-Fi enabled campus
- iii. Class rooms with ICT facility: 2.
- iv. Laboratories 2: Well equipped, lighted, ventilated with ICT facilities and spacious enough for carrying out practical work for 25+25 students at a time.
- v. Instrumentation laboratory: 1
- vi. Tissue culture laboratory: 1
- vii. Botany Museum (Sampada): 1

31. Number of students receiving financial assistance from college, university, government or other agencies:

1.	Dhrouba Jyoti Das	Ishan Uday Special Scholarship Scheme for North Eastern Region”, UGC, 2015
2.	Sairem Bandana Devi	Ishan Uday Special Scholarship Scheme for North Eastern Region”, UGC, 2015
3.	Irengbam Victoria	Scholarship for Higher Education (SHE) under Inspire scheme, DST, 2015
4.	Laxmi Langpoklakpaim	Scholarship for Higher Education (SHE) under Inspire scheme, DST, 2015
5.	Bidiya Nanda	Ishan Uday Special Scholarship Scheme for North Eastern Region”, UGC.
6.	Arun Narayan	Research Council , University of Delhi, 2015-16
7.	Sanchaya Sharma	Research Council , University of Delhi, 2015-16
8.	Kiran Bisht	Research Council , University of Delhi, 2015-16
9.	Manav Duhoon	Research Council , University of Delhi, 2015-16
10.	Vedant Sirohi	Research Council , University of Delhi, 2015-16
11.	Sukannaya Chakraborty	Research Council , University of Delhi, 2013-15
12.	Sushma	Research Council , University of Delhi, 2013-15
13.	Mansi Gogna	Research Council , University of Delhi, 2013-15
14.	Nisha	Research Council , University of Delhi, 2013-15
15.	Rohan Kapoor	Research Council , University of Delhi, 2013-15
16.	Rubal Wadhva	Research Council , University of Delhi, 2013-15
17.	Pragati Shakiya	Research Council , University of Delhi, 2013-15
18.	Depanker Haldwani	Research Council , University of Delhi, 2013-15

In addition, the department awards scholarships from 'Harjinder Grover Endowment Fund' to toppers of B.Sc. (Hons) Botany II year and B.Sc. Life Science II year. This award was constituted in the name of our revered faculty member, Dr. Harjinder Grover, whose family donated fund for this purpose.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- Ms. Swapna Chakraborty - Dietician, AIIMS, trained students about healthy eating and fitness mantras.
- Students attended three weeks hands on workshop in Handmade paper making at Forest Research Institute, Dehradun.
- Interaction of students with mentors of various institutes under innovation projects.
- Interaction with experts during visit to Mother Dairy Plant at Patparganj, New Delhi, to learn about milk procuring, quality control, pasteurization, packaging and marketing.
- At Parle-G factory, students learnt about automatic biscuit making process at Bahadurgarh, Haryana.
- At Marino Ply Boards, students learnt about manufacturing, quality testing, packaging and marketing of Ply boards and its products at Bahadurgarh, Haryana.
- Students learnt about rain water harvesting and waste water treatment at Centre for science and environment (CSE), Tuglakabad.
- Students visited Sugar mill at Daurala and learnt the process of sugar manufacturing from cane Juice and its waste management.
- Students are actively participating in Science Setu programme of National Institute of Immunology-Zakir Husain Delhi College.
- Students participated in National Symposium on Biotechnology in Crop Improvement: Prospects & Challenges at Zakir Husain Delhi College.
- Dr. K. K. Aggarwal, a renowned cardiologist, trained students, faculty and other members in heart revival.
- Learnt the art of making Bonsai.
- Herbarium preparation of wet and dry specimens.

33. Teaching methods adopted to improve student learning

- Black board teaching
- Power-point presentations
- Oral presentation
- Wall magazines
- Structural Models
- Multimedia
- Group discussions
- Projects and scrap books
- Industrial and institute visits

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Poster presentation by students on several social issues in conferences/workshop/seminars

- Participation in Innovation Plaza organized by University of Delhi
- Development of Handmade Paper in Paper Recycling Unit established in College under Innovation Project
- Vermicomposting Unit developed and maintained by the department
- Participation in solid waste management especially hospital waste
- Maintenance of Botanical and Herbal Garden
- Maintenance of aquatic biodiversity in the pond of botanical garden
- Development and maintenance of Rock Garden
- Naming and numbering of trees in college campus
- Rain water harvesting: Students carried out projects in neighboring communities also
- Faculty mentor scheme
- Know how about Illegal wildlife trade at WII Dehradun
- Assessment of Carbon Footprint of different strata of society
- Awareness campaigns
 - i. Save Energy
 - ii. Say no to fire crackers
 - iii. Say no to plastic: Use cloth bags
 - iv. Anti-pollution
 - v. Promotion of herbal color during Holi
 - vi. Sensitizing students for Right to Vote
 - vii. Sensitizing students towards Gender Equality, Health Awareness & Women Empowerment
 - viii. Sensitizing students towards AIDS and its consequences
 - ix. Organizing the display and sale of Eco-friendly and organically grown products.
 - x. Segregation of waste into biodegradable and non-biodegradable bins

35. SWOC analysis of the department and Future plans

Strengths

1. The Department has dedicated faculties who possess expertise in different fields of Botany and work together as a composite unit. This, thus, is a tremendous asset for our Department. It is very significant towards imparting knowledge and developing concepts of undergraduate students. We have a good mix of experienced teachers and young faculty members, who put together their talent and hard work with enthusiastic initiatives in teaching and research.
2. The Department has full support of the college authorities for its smooth functioning.
3. The Department has well equipped and well maintained laboratories with efficient and responsible laboratory staff. The Department has classrooms with ICT facilities.
4. A large museum with trans-slides, a huge specimen collection and herbarium dating back to 1960. Museum houses a collection of about 5000 specimens, in dry and wet form, belonging to about 180 families of plant kingdom collected from all over India over more than past six decades. These are used routinely in practical classes dealing with plant diversity.
5. Herbal garden with a huge collection of medicinally important plants, spices, narcotics, dyes and flavoring plants. A very rich botanical garden with cultivated and wild species to meet the most of the requirements for practical classes.
6. Time to time, student's feedback is taken to improve upon teaching practices.

Weaknesses

1. Shortage of laboratory space and scarcity of class rooms for accommodating large

- number of students.
2. Insufficient grants for maintenance of sophisticated instruments.
 3. Lack of grants for field trips and excursions of students which form an integral part of the curriculum.
 4. Lack of Hostel facility for outstation students of the College.
 5. Propagation and maintenance of plants/germplasm is not possible at present because of non availability of Green house facility.

Opportunities and Challenges

1. To generate and sustain interest in the students towards plant sciences.

2. To motivate students towards higher studies and pursue research in plant world.

3. In our Department, we get students with relatively low percentage of marks. They are from less privileged family background, are strugglers and face several constraints at home. Majority of the students are not able to express themselves effectively in English, although they are sincere and hardworking. Our biggest challenge is to bring about transformation in these students who are disadvantaged so much at the beginning, but then pass out as well educated, well behaved and confident individuals. Tremendous efforts put in by the faculty help many of them achieve positions in the University merit and they bring accolades for themselves and the college.

FUTURE PLANS:

The Department proposes to organize the following:

1. A workshop on Bio-fertilizers under faculty development programme (FDP), in the month of June-July 2016..
2. Summer internships for students in various research laboratories/biodiversity parks.
3. Field trips and industrial visits.
4. Workshop on basic techniques of plant tissue culture for students around June-July 2016.
5. Students will be given hands on research training either in college or in various research institutes under the aegis of Science Setu program, an initiative of NII.
6. A workshop on recycling of waste paper in handmade paper unit of the college.
7. To strengthen departmental reference library further.
8. To strengthen our alumni association so that we stay updated about their academic/ career progression.

Annexure-I

Faculty	Publications	Impact factor
Dr. Reeta khosla	1) Bhandari NN, Khosla R (1982) Development and histochemistry of anther in Triticales CV Tri-1 I. some New aspects in early ontogeny. Phytomorphology 32(1): 18-27. ISSN: ISSN 0031-9449.	-
	2) Bhandari NN, Khosla R (1995) Callose deposition during microsporogenesis in the control and EMS-treated anthers of Triticale cv. TRI-1. Phytomorphology 45:	-

	15-22. ISSN: ISSN 0031-9449.	
	3) Khosla, R and Siddiqui, ZH. (2016). Basics of Environmental Science. ISBN No-978-81-8487-401-3 (In press)	
Dr. Mrinal Bhargava	1) Bhandari NN, Soman P, Bhargava M (1980) Histochemical studies on the female Gametophyte of <i>Argemone Mexicana</i> L. Cytologia 45: 281-291. ISSN:1348-7019 (Online); 0011-4545 (Print).	0.205
	2) Bhandari NN, Bhargava M, Geier T (1981) A persisting cellulosic wall of microspore mother cells during microsporogenesis in <i>Allium tuberosum</i> Rottl and <i>Cyclamen persicum</i> Mill. Ann Bot 48: 425-431. ISSN: 1095-8290 (online)	3.654
	3) Bhandari NN, Bhargava M (1982) Wall ingrowths in the antipodal cells in <i>Papaver somniferum</i> L. Beitr Biol Pflanzen 58: 53-58. ISSN: 0005-8041.	-
	4) Bhandari NN, Bhargava M, Sachdeva A (1985) The Mature ovule of <i>Papaver somniferum</i> –A histochemical study. <i>Phytomorphology</i> 35: 111-119. ISSN 0031-9449.	-
	5) Bhandari NN, Bhargava M, Chitralkha P (1986) Cellularization of free-nuclear endosperm of <i>Papaver somniferum</i> L. Phytomorphology 36: 357-366. ISSN 0031-9449.	-
	6) Bhargava M (2006). Shoot system (Meristems, stem structure and and anatomy and secondary growth) <i>e- chapter in: Structure, Development and reproduction in flowering plans</i> . Niscair. National science digital Library issue date 30-7-2007.	-
Dr Malti Gupta	1) Gupta M, Shivanna KR (2002) Cross ability barriers between cultivated and wild species of <i>Cicer</i> . Adv in Legume Res India , RR Rao (Ed). 495-510. ISBN-10:8121102731.	-
	2) Gupta M, Shivanna KR (1985) The role of the pistil in screening compatible pollen. Theor Appl Genet 70:684-686. ISSN-0040-5752//1432-2242//	3.790
	3) Gupta M, Shivanna KR (1984) Structure and cytochemistry of the pistil of <i>Crotalaria retusa</i> L. Proc Indian Nat Sci Acad B50 No. 1: 92-102. ISSN-0369-8211//	0.40
Dr. Ratnum kaul watal	1) Kaul RW, Sachar RC (1982) On the presence of Adenosine 3',5'- cyclic monophosphate in moss (<i>Funaria hygrometrica</i>). Biochem Biophys Res Commun 104: 126-132. ISSN: 0006-291X	2.297
	2) Kaul RW, Saluja D, Sachar RC (1986) Phosphorylation of small subunit plays a crucial role. In the regulation of RUBPCase in moss and spinach. FEBS Lett 2.09: 63-70. ISSN: 0014-5793 .	3.169
	3) Kaul RW Siddiqui ZH (2015) Effect of elevated levels of carbon dioxide on the activity of RuBisCO and Crop Productivity. In: Crop production and global environmental issues. K Rehman (Ed), Springer International Publishing Switzerland . ISBN: 978-3-319-2316-7.	-
Dr. Babeeta C. Kaula	1) Pandita S, Kaula B, Passey S (2015) Use of weeds and agro-based raw materials and their blends for handmade paper making. D U J Undergraduate Res Innovation 1: 169-179. ISSN 2395 – 2334.	-
	2) Sarin B, Martín JP, Kaula BC, Mohanty A (2015) Chloroplast DNA variations in wild <i>Brassicas</i> and their implication in breeding and population genetics studies. <i>Scientifica</i> 7 pp. ISSN: 2090-908X; ISSN-L:2090-908X.	-
	3) Mohanty A, Kaula BC, Verma N, Shivanna KR (2009) Broadening the genetic base of crop Brassicas by production of new intergeneric hybrid. Czech J Genet Plant Breed 45: 117–122. ISSN 1212-1975 (Print) ISSN 1805-9325 (On-line).	0.364
	4) Kaula BC, Verma N, Mohanty A, Pradhan A, Shivanna KR (1999) Production and characterization of interspecific hybrids between <i>Brassica maurorum</i> and crop Brassicas. Theor Appl Genet 98: 608-613. ISSN: 0040-5752 (print version); ISSN: 1432-2242 (electronic version)	3.790
	5) Mohanty A, Kaula BC, Verma N, Shivanna KR (2007) Wide hybridization	-

	between <i>Hirschfeldia incana</i> L. (Lagrece Fossat) and <i>Brassica carinata</i> Braun: towards development of new genetic resource. Indian J Plant Genet Resources . 20(3): 208-210. Print ISSN : 0971-8184.	
	6) Jehan T, Kaula BC , Mohanty A, Verma N (2012) Assessment of genetic resources of Faba Beans (<i>Vicia faba</i> L.) In: AK Singh, BP Bhatt (Eds) Faba beans (<i>Vicia faba</i> L.) A potential leguminous crop of India. ICAR Research Complex for Eastern Region, Patna, Bihar pp47-52. ISBN: 978-93-5067-773-5.	-
	7) Mohanty A, Verma N, Kaula BC (2012) Role of wild relatives in Faba Bean improvement. In: Faba Bean (<i>Vicia faba</i> L.) A potential leguminous crop of India, AK Singh and BP Bhatt (Eds). ICAR Research Complex for Eastern Region, Patna, Bihar , India. pp 39-42. ISBN: 978-93-5067-773-5.	
	8) Jehan, T, Kaula BC , Mohanty A, Verma N (2012) Assesment of genetic resources of Faba Beans (<i>Vicia faba</i> L.). In: AK Singh, BP Bhatt (Eds) Faba Beans (<i>Vicia faba</i> L.) A potential leguminous crop of India. ICAR Research Complex for Eastern Region, Patna, Bihar . pp 47-52. ISBN: 978-93-5067-773-5.	
	9) Mohanty A, Verma N, Kaula BC (2011) New potential forage /fodder crops for India. In: Forages and Fodder. AK Singh, MA Khan, N Subash, KM Singh (Eds). pp 45-50. ISBN:81-7035-667-9.	
	10) Kaula CB (2006) Role of systematics in biodiversity conservation. In : Biodiversity, conservation and systematic, Prithipal Singh (Ed). 163-171 pp, ISBN: 81-7233-464-8	
Dr. Devyani muley	1) Paul PK, Muley D , Sharma PD (2001) Effect of the insecticide monocrotophos on hydrolytic enzymes of leaf litter fungi of Tobacco. Indian J Plant Physiol 6: 342-347. ISSN :0019-5502 (print); 0974-0252 (e version).	-
	2) Muley D , Paul PK, Sharma PD (1997) Uredinial state of <i>Melampsora geniculatae</i> Ramachar and Bhagyanarayana. J Indian Bot Soc 76:297-298. ISSN: 0019-4468.	-
Dr. Savindra kumar	1) Baweja P, Kumar S , Sahoo D, Levine I (2016) Biology of Seaweeds. Seaweed Health Dis Prevent. Accepted. http://dx.doi.org/10.1016/B978-0-12-802772-1.00003-8	-
	2) Kumar S , Sahoo D, Levine I (2015) Assessment of nutritional value in a brown seaweed <i>Sargassum wightii</i> and their seasonal variations. Algal Res 9: 117-125. ISSN 2211-9264.	5.014
	3) Kumar S , Sahoo D, Levine I (2015) Algae as a source of biofuel. In: Cellular origin, life in extreme habitats and astrobiology new volume: Algal World. Springer Dordrecht Heidelberg New York London. pp 483-500. Accepted. ISBN: 978-94-017-7320-1 & ebook 978-94-017-7320-1.	-
	4) Kumar S , Baweja P, Sahoo D (2015) Diatoms: yellow or golden brown algae. In: Cellular origin, life in extreme habitats and astrobiology new volume: Algal World. Springer Dordrecht Heidelberg New York London. pp 235-258. Accepted. ISBN: 978-94-017-7320-1 & ebook 978-94-017-7320-1.	-
	5) Sahoo D, Kumar S (2015) Xanthophyceae, Euglenophyceae and Dinophyceae. In: Cellular origin, life in extreme habitats and astrobiology new volume: Algal World. Springer Dordrecht Heidelberg New York London. Accepted. pp 259-307. ISBN: 978-94-017-7320-1 & ebook 978-94-017-7320-1.pp259-307.	-
	6) Kumar S , Baweja P, Sahoo D (2014) Light and scanning electron micrographic studies in cystocarpic plant of <i>Rhodymenia dissecta</i> . Phytomorphology 64: 53-62. ISSN 0031-9449.	-
	7) Kumar S , Gupta R, Kumar G, Sahoo D, Kuhad RC (2013) Bioethanol production from <i>Gracilaria verrucosa</i> , a red alga, in a biorefinery approach. Bioresource Technol 135: 150-156. ISSN 0960-8524.	4.494
	8) Sahoo D, Kumar S , Elangbam G, Devi SS (2012) Biofuel production from algae	-

	through integrated biorefinery. In: Cellular origin, life in extreme habitats and astrobiology new volume: The Science of Algal Fuel. Springer Dordrecht Heidelberg New York London. Pp 215-230. ISSN: 1566-0400; ISBN: 978-94-007-5109-5; ISBN: 978-94-007-5110-1 (eBook).	
	9) Kumar S, Sahoo D (2012) Seaweeds as a source of bioethanol. <i>Algal Biotechnology and Environment</i> . IK International Publication New delhi. Pp 101-109. ISBN: 10:9381141711; ISBN:13:978-9381141717.	-
Dr. Mohamm ad Wahid Ansari	1) Kandpal G, Ansari MW , Pandey V, Bains G, Shankhdhar SC, Gaur AK, Nautiyal MK, Kumar A, Shukla A (2016) Silicon solubilizer improves morphological and phenological attributes and confers biotic stress tolerance in rice genotypes. Commun Integr Biol . Accepted. ISBN/ISSN: 19420889.	2.651
	2) Passricha N, Saifi S, Ansari MW , Tuteja N (2016) Prediction and validation of cis-regulatory elements in 5' upstream regulatory regions of lectin receptor-like kinase gene family in rice. Protoplasma . ISBN/ISSN: 1615-6102.	
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	4) Gill SS, Gill R, Trivedi DK, Anjum NA, Sharma KK, Ansari MW , Johri AK, Prasad R, Pereira E, Varma A, Tuteja N (2016) <i>Piriformospora indica</i> : potential and significance in plant stress tolerance. Front Microbiol . 7:332.. ISSN/ ISBN: 1664-302X.	3.989
	5) Pandey V, Ansari MW , Tula S, Sahoo RK, Bains G, Kumar J, Tuteja N, Shukla A (2016) <i>Ocimum sanctum</i> leaf extract induces drought stress tolerance in rice. Plant Signal Behav . ISBN/ISSN: 15592316.	-
	6) Kaur C, Kumar G, Kaur S, Ansari MW , A. Pareek, S.K. Sopory, S.L. Singla-Pareek (2015) Molecular cloning and characterization of <i>Salt Overly Sensitive</i> gene promoter from <i>Brassica juncea</i> (<i>BjSOS2</i>). Mol Biol Rep 42:1139–1148. ISBN/ISSN: 1573-4978.	2.204
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	12) Sahoo, RK Ansari MW , Tuteja R, Tuteja N (2014) <i>OsSUV3</i> transgenic rice maintained higher endogenous level of plant hormones to eradicate the adverse effects of salinity on crop productivity. Rice 7:1-3. ISBN/ISSN: 1939-8433.	2.3
	13) Sahoo, RK Ansari MW , Pradhan M, Dangar TK, Mohanty S, Tuteja N (2014) Phenotypic and molecular characterization of efficient native <i>Azospirillum</i> strains from rice fields for crop improvement. Protoplasma 251: 943-953. ISBN/ISSN: 1615-6102.	2.651

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- 15) Sahoo, RK **Ansari MW**, Dangar TK, Mohanty S, Tuteja N (2014) Phenotypic and molecular haracterization of efficient nitrogen-fixing *Azotobacter* strains from rice fields for crop improvement. **Protoplasma** 251:511-523. ISBN/ISSN: 1615-6102. 2.651
- 16) Trivedi DK, **Ansari MW**, Tuteja N (2014) Response of *PiCypA* tobacco T₂ transgenic matured plant to potential tolerance to salinity stress. **Plant Signal Behav** 8: e27538. ISBN/ISSN: 15592316. -
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- 19) Anwar MS, Siddique MT, Verma A, Rao YR, Nailwal T, **Ansari MW***, Pande V (2014). Multitrait plant growth promoting (PGP) rhizobacteria isolates from *Brassica juncea* rhizosphere: keratine degradation and growth promotion. **Commun Integrat Biol** 7: e27683. ISBN/ISSN: 19420889. -
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- 23) **Ansari MW**, Tuteja N (2014) Postharvest quality risks by stress/ethylene: management to mitigate. **Protoplasma** 252: 21-32. ISBN/ISSN: 1615-6102. 2.651
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- 26) **Ansari MW**, Gill SS, Tuteja N (2014) *Piriformospora indica* a powerful tool for crop improvement. **Proceed Indian Nat Sci Acad** 80:317-324. (ISBN/ISSN No: 0370-0046). -
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- 32) Rani V, Ansari MW, Shukla A, Tuteja N, Bains G (2013) Fused lobed anther and hooked stigma affect pollination, fertilization and fruit set in mango: a scanning electron microscopy study. **Plant Signal Behav** 8: e23167. ISBN/ISSN: 15592316. -
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- 34) Verma D, Ansari MW, Agrawal GK, Rakwal R, Shukla A, Tuteja N (2013) In vitro selection and field responses of somaclonal variant plants of rice cv. PR113 for drought tolerance. **Plant Signal Behav** 8: e23519. ISBN/ISSN: 15592316. -
- 35) Trivedi DK, Ansari MW, Tuteja N (2013) Multiple abiotic stress responsive cyclophilin from rice mediates a wide range of cellular responses. **Commun Integrat Biol** 6: e25260. ISBN/ISSN: 19420889. -
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- 44) Ansari MW, Thakur B, Bains G (2012) Micronutrient enrichment: Breeding and Engineering Perspectives. **Indian Farmers' Digest**, May 2012, 359 pp. ISSN: 0537-1589. -
- 45) M.W. Ansari, V. Kumar, A.K. Singh, H.S. Chawla (2007) Intellectual Property Rights in Agriculture. **Indian Farmers' Digest**, August 2012, 9 pp. ISSN: -

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Dr. Tabassum Jehan	<p>1) Jehan T, Vashishtha A, Yadav SR, Lakhanpal S (2013) Genetic diversity and genetic relationship in Hyacinthaceae in India using RAPD and SRAP. Physiol Mol Biol Plants 20: 103-114. ISSN:0971-5894(print); 0974-0430 (online) .</p> <p>2) Vashishtha A, Jehan T, Sharma KK, Lakhanpal S (2013) Molecular characterization and genetic diversity of <i>Schleichera oleosa</i> (Lour.) Oken: Major host tree for Lac cultivation. Nat Acad Sci Lett 36: 429-435. ISSN: 0250-541X (Print), 2250-1754 (online)</p> <p>3) Vashishtha A, Jehan T, Lakhanpal S (2013) Genetic diversity and population structure of <i>Butea monosperma</i> (lam.) Taub.- a potential medicinal legume tree. Physiol Mol Biol Plants 19: 389-397. ISSN: 0971-5894 (Print); 0974-0430.</p> <p>4) Vir R, Jehan T, Bhat KV, Lakhanpal S (2010) Genetic characterization and species relationship among selected Asiatic <i>Vigna</i> Savi. Genet Res Crop Evol 57: 1091-1107. ISSN: 0925-9854 (Print); 1573-5109 (online).</p> <p>5) Jehan T, Lakhanpal S (2006) Single nucleotide polymorphism (SNP)- methods and application in plant genetics: A review. Indian J Biotechnol 5: 235-259. ISSN: 0975-967 (Online); 0978-5849 (Print).</p> <p>6) Jehan T, Kaula BC, Mohanty A, Verma N (2012) Assessment of genetic resources of Faba beans (<i>Vicia faba</i> L.). In: A.K. Singh and B.P. Bhatt (Eds) Faba beans (<i>Vicia faba</i> L.) A potential leguminous crop of India. ICAR- Research complex for Eastern Region, Patna. Pp 47-52. ISBN: 978-93-5067-773-5.</p>	- 0.297 - 1.461 0.386
Dr. Ashima khurana	<p>1) Kumar R, Jiwani G, Amit Pareek, Thulakumar S, Khurana A and Sharma AK (2015). Evolutionary profiling of group II PLP-dependent decarboxylase gene family suggests expansion and functional diversification of histidine decarboxylases in tomato. The Plant Genome 9: 1-15. doi: 10.3835/plantgenome 2015.07.0057. ISSN: 1940-3372.</p> <p>2) Kumar R and Khurana A (2014) Functional genomics of tomato: Opportunities and challenges in post-genome NGS era. J Biosci 39: 917-29. ISSN: 0973-7138.</p> <p>3) Kumar R, Khurana A and Sharma AK (2014) Role of plant hormones and their interplay in fruit development and ripening. J Exp Bot 65: 4561-4575. ISSN: 1460-2431.</p> <p>4) Khurana A, Kumar R and Babbar SB (2014) Nitric oxide is involved in salicylic acid-induced flowering of <i>Lemna aequinoctialis</i> Welw. Acta Physiol Plant 36: 2827-2833. ISSN: 1861-1664.</p> <p>5) Kumar R, Khurana A and Sharma AK (2013) Molecular regulators of fruit ripening. Stewart Postharvest Rev 4: 4 ISSN: 1745-9656.</p> <p>6) Khurana A, Khurana JP, Babbar SB (2011) Nitric oxide (NO) induces flowering in the duckweed <i>Lemna aequinoctialis</i> Welw. (syn. <i>L. paucicostata</i> Hegelm.) under non-inductive conditions. J Plant Growth Regul 30: 378-385. ISSN: 1435-8107.</p> <p>7) Khurana A, Kumar R (2014) Biosafety Concerns in Plant Biotechnology. Virtual Learning Environment, Institute of Lifelong Learning, University of Delhi. Prepared under MHRD project, National Mission on Education through ICT. Paper- Plant Biotechnol. ISSN:2349-154X.</p> <p>8) Khurana A, Kumar R (2014) Laboratory requirements of plant tissue culture. Virtual Learning Environment, Institute of Lifelong Learning, University of Delhi. Prepared under MHRD project, National Mission on Education through ICT. Paper- Plant Biotechnol ISSN:2349-154X.</p> <p>9) Khurana A, Gangotri W and Babbar SB (2007) Contributed and prepared “Mineral nutrition in Plants” as e-contents of “Sakshat”, Education Portal of HRD Ministry in 2007.</p>	3.933 2.064 5.364 1.584 - 2.237 - - -

Dr. Deepika sharma	1) Deepika S, Kothamasi D (2014) Soil moisture - a regulator of arbuscular mycorrhizal fungal community and symbiotic phosphorus uptake. Mycorrhiza 25:67-75. ISSN: 1432-1890 (Electronic); 0940-6360 (Print).	3.459
	2) Devi KK, Deepika S, Bhaduri A, Kothamasi D (2013) Polymorphism in hcnAB gene in <i>Pseudomonas</i> species reveals ecologically distinct hydrogen cyanide producing populations. Geomicrobiology J 30:131-139. ISSN Number: 1521-0529 (Electronic); 0149-0451 (Print).	1.44
	3) Deepika S, Kapoor R, Bhatnagar AK (2009) Differential responses of <i>Curculigo orchioides</i> Gaertn. plantlets to AM inocula varying in number and type of fungal species. European J Soil Biol 45:328-333. ISSN: 1164-5563.	<u>1.719</u> <u>5-yr:2.272</u>
	4) Deepika S, Kapoor R and Bhatnagar AK (2008) Arbuscular mycorrhizal (AM) technology for the conservation of <i>Curculigo orchioides</i> Gaertn. plantlets - an endangered medicinal herb. World J Microbiol Biotechnol 24:395-400. ISSN Number: 1573-0972 (Electronic); 0959-3993 (Print)	<u>1.779</u>
	5) Kapoor R, Deepika S and Bhatnagar AK (2008) Arbuscular mycorrhizae in micropropagation systems and their potential applications. Scientia Hort 116:227-239. ISSN: 0304-4238	1.365 5-yr:1.785

EVALUATIVE REPORT OF THE DEPARTMENT OF CHEMISTRY**1. Name of the Department:** CHEMISTRY**2. Year of Establishment:** 1952**3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

- i. B.Sc.(H) Chemistry
- ii. B.Sc. (Program)—Life Sciences
- iii. B.Sc. (Program)—Physical Sciences
- iv. M.Sc. (Chemistry)

4. Names of Interdisciplinary courses and the departments/units involved

Name of Course	Departments Involved
B.Sc. Life Sciences	Chemistry, Botany and Zoology
B.Sc. Physical Sciences	Chemistry, Physics and Mathematics

5. Annual/ semester/choice based credit system (programme wise)

Name of Course	System of Syllabus
B.Sc. (H) Chemistry 1 st Year	Choice Based Credit System
B.Sc. (H) Chemistry 2 nd & 3 rd Year	Semester System
B.Sc. (Program) 1 st Year	Choice Based Credit System
B.Sc. (Program) 2 nd Year	Semester System

6. Participation of the department in the courses offered by other departments

- Generic Elective papers for the students from the departments of Botany, Zoology, Mathematic and Electronics.
- Skill Enhancement Elective papers for the students from the departments of Botany, Zoology, Mathematic and Electronics.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL**8. Details of courses/programmes discontinued (if any) with reasons:** NIL**9. Number of teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	09	09
Assistant Professors	11	09 (Permanent) ; 02 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	Ph.D. Students guided for the last 4 years
Dr. Sulekh Chandra	Ph.D.	Associate Professor	Inorganic	36	12
Dr. Rizwan Ahmed	Ph.D.	Associate Professor	Physical	33	
Dr. Sunita Gupta	Ph.D.	Associate Professor	Physical	33	
Dr.K.K.Arora	Ph.D.	Associate Professor	Organic	32	
Dr. Sangeeta Pandita	Ph.D.	Associate Professor	Organic	31	
Dr. Nadira Arif	Ph.D.	Associate Professor	Inorganic	30	
Dr. Samta Goyal	Ph.D.	Associate Professor	Organic	25	
Dr. Usha Bansal	Ph.D.	Associate Professor	Organic	25	
Dr. Sarita Passey	Ph.D.	Associate Professor	Organic	20	
Dr. Jyotsna Ratan	Ph.D.	Assistant Professor	Inorganic	10	
Dr. Mohsineen Wazir	Ph.D.	Assistant Professor	Physical	7	
Mr. Ravikant	M.Sc.	Assistant Professor	Physical	5	
Dr. Sanjeev Kumar Mishra	Ph.D.	Assistant Professor	Physical	11	
Dr. Jyoti Singh	Ph.D.	Assistant Professor	Organic	4	
Dr. Perna Singh	PhD	Assistant Professor	Inorganic	4	
Ms. Mamta Bai	M.Sc.	Assistant Professor	Physical	4	
Dr. Jyoti Tyagi	Ph.D.	Assistant Professor	Physical	2	
Ms. Leelavati	M.Sc.	Assisstant Professor	Inorganic	3	
Dr. Ritu Mathur (Adhoc)	Ph.D.	Assistant Professor	Organic	4	
Dr. Shahzad Ahmad (Adhoc)	Ph.D.	Assistant Professor	Inorganic	1	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

- B.Sc. (Hons): Lectures (10%) and Practical (10%)
- B.Sc. (Prog): Lectures (10%) and Practical (10%)

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 15 Students/Teacher (15:1)
- B.Sc. (Prog): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 22 (20 permanent+2 temporary)

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Teaching Faculty
M.Phil. + PhD	3
PhD	14
M.Sc.	3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S. No.	Name of Project	Name of coordinator	Amount Received /lacs	Funding Agency
1	Synthesis, characterization and theoretical study of some potential biologically active Schiff base ligands and their metal complexes	Dr. Sulekh Chandra	4.56	UGC
2	Metal based biologically active compounds derived from novel Schiff's base ligands: Synthesis, characterization, DFT studies, antimicrobial/anticancer cytotoxicity evaluation	Dr. Sulekh Chandra, Dr Usha Bansal (Co-PI)	49.93	DRDO
3	ZH:301 Development of user-friendly low cost portable biosensor for the detection of pesticides	Dr. Sulekh Chandra	7.0	DU

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

S. No.	Name of Project	Name of coordinator	Name of Co-investigator	Amount Received/ lacs	Funding Agency
1	Synthesis and characterization of transition metal complexes of some thiosemicarbazones and related ligands	Dr. Sulekh Chandra		3.84	DST
2	Antiviral studies on transition metal complexes of N-O and N-S donor ligands	Dr. Sulekh Chandra		0.75	UGC
3	Complexes of new macrocyclic ligands and their transition metal derivatives	Dr. Sulekh Chandra		17.00	DST
4	Functionalized macrocyclic ligands, synthesis, electrochemical studies, electronic energy transfer and fluorometric studies	Dr. Sulekh Chandra		4.76	UGC
5	Synthesis and industrial applications of Novel macrocyclic compounds	Dr. Sulekh Chandra		14.30	DRDO

6	Synthesis and characterization of transition metal complexes of new macrocyclic ligands with pendent arms	Dr. Sulekh Chandra		6.93	UGC
7	Synthesis and characterization of transition metal complexes with Schiff's base ligands as biologically relevant agents	Dr. Sulekh Chandra		14.48	DRDO
8	Novel Transition Metal Complexes Encapsulated in Various Mesoporous Silices: Catalytic Activities Studies in Selective Organic Transformations	Dr. Sulekh Chandra		29.50	DRDO
9	Synthesis, characterization and theoretical study of some potential biologically active Schiff base ligands and their metal complexes	Dr. Sulekh Chandra		4.56	UGC
10	Metal based biologically active compounds derived from novel Schiff's based ligands: Synthesis, characterization, DFT studies, antimicrobial/anticancer cytotoxicity evaluation	Dr. Sulekh Chandra	Dr. Usha Bansal	49.93	DRDO
11	ZH 205: Designing a mathematical model to solve the upcoming water crisis in Noida/Greater Noida Region	Dr. Sulekh Chandra		3.5	DU
12	Design, Fabrication and Testing of small scale kit for Qualitative Organic Analysis (2001-03)	Dr. Sangeeta Pandita	Dr. Samta Goyal & Dr. Sarita Passey	0.25	UGC
13	Developing Environment-friendly Approach to Undergraduate Organic Teaching Laboratory (2008-10)	Dr. Sangeeta Pandita	Dr. Sarita Passey Dr. Samta Goyal	0.35	UGC
14	Use of Innovative Raw Materials for Handmade Paper Making (2013-15)	Dr. Sangeeta Pandita	Dr. Sarita Passey, Dr Babita Kaula	4.5	DU
15	Feasibility studies to improve quality of living and development of low cost efficient techniques to purify potable water in villages: case study with reference to villages of Ajmer		Dr. Samta Goyal	10.00	DU
16	$K_3[Fe(CN)_6]$ - $FeCl_3$ reactions of Aromatic Aldehydes and Ketones (1997-99)	Dr. Sangeeta Pandita	Dr. Samta Goyal	0.10	UGC

18. Research Centre /facility recognized by the University: One Research Centre recognized by University of Delhi

19. PUBLICATIONS: (See Annexure-I)

Name	Publications	H-Index	Books Written	Chapters Written	Books/Chapters Edited
Dr. Sulekh Chandra	340	34	8	5	5
Dr. Rizwan Ahmed	16	11	3	1	
Dr. Sunita Gupta	2	2			
Dr.K.K.Arora	27	6	10	4	5
Dr. Sangeeta Pandita	15	2			
Dr. Nadira Arif	11	5			
Dr. Samta Goyal	9	4			
Dr. Usha Bansal	11	6			
Dr. Sarita Passey	9	1		3	
Dr. Mohsineen Wazir	3	2		1	
Dr. Jyoti Singh	5	4			
Dr. Sanjeev Kumar Mishra	1				
Dr. Purna Singh	8	4			
Dr. Jyoti Tyagi	1	1			
Dr. Ritu Mathur (Adhoc)	6	2			
Dr. Shahzad Ahmad (Adhoc)	9	5			

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....

Dr.Sulekh Chandra

Member of Academic Bodies:

- i. Member, Board of research studies (BRS), University of Delhi July 1997- June 1999.
- ii. Member, Committee of courses for Honors, Postgraduate and research studies in chemistry, July 1998-June 2000.
- iii. Member, research board of advisors, The American Biographical institutes Inc.
- iv. Member, Board of Studies for C.C.S. University Meerut.
- v. Member, Board of Studies for K.R. autonomous college, Gwalior.
- vi. Associate Editor Journal of Indian Chemical Society, Kolkata.
- vii. Member of Editorial Board of Atomic, Molecular and Optical Physics Insights.
- viii. Member of Departmental research council (DRC) University of Delhi 2010-2012.
- ix. Council Member of Indian Chemical Society, Kolkata.
- x. Member of Editorial Board of Spectroscopy Journal.

- xi. Member of editorial board of Inorganic communication
- xii. Member of editorial board of Central Chemistry Journal, Hindawi Publication.
- xiii. Member of Science Faculty, University of Delhi, from April 2013.

Member of Scientific Bodies:

- i. Life member of Indian Chemical Society.
- ii. Life member of Indian Science Congress Association.
- iii. Life member of Indian Council of Chemists.
- iv. Life member of Society of Biological Chemists.
- v. Life member of Indian Society of Analytical Scientists.
- vi. Life member of International Congress of Chemistry and Environment (INDIA).
- vii. Life member of Chemical and Scientific Research.
- viii. Member of New-York Academy of Sciences.
- ix. Life member of American Association for the Advancement of Science.
- x. Member of Indian National Academy of Science, Allahabad
- xi. Member of American Chemical Society.

Dr K.K. Arora

- i. Convener Committee of Courses for Chemistry (Senior Secondary Classes) C.B.S.E.
- ii. Member Committee of Courses for Chemistry (Senior Secondary Classes) C.B.S.E. (International)
- iii. Member Courses design committee, courses in Chemistry (by IGNOU) for Teachers of Navodaya Vidyalaya
- iv. Member Courses design committee, a course on good practices in Laboratory by IGNOU
- v. Life Member of Indian Society Of Analytical Scientists (ISAS)

Dr. Sangeeta Pandita

- i. Convenor, Committee of courses for Honors, Postgraduate and research studies in chemistry, July 1998-June 2000.
- ii. Member, American Chemical Society (ACS) 2011-2012
- iii. Life Member, Chemical Research Society of India (CRSI)

Dr.Samta Goyal

Life Member of Indian Society Of Analytical Scientists (ISAS)

Dr. Sarita Passey

- i. Member, American Chemical Society (ACS) 2011-2012
- ii. Life Member of Indian Society Of Analytical Scientists (ISAS)
- iii. Nodal person for the collaborative venture between National Institute of Immunology and Zakir Husain Delhi College (named as Science Setu Program) to popularize science and promote research amongst undergraduate students.

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

Name of Students	Project Topic	Supervision
Ajay, Ankush, Shrikishan, Chanchal, Simran, Danish, Harron, Amit, Dinesh, Shipra, Anurag, Himanshu, Kamal,	Summer Project	Dr. K.K.Arora, Dr Sarita Passey, Dr Mohsineen Wazir, Dr Jyoti Tyagi

Ramgopal, Gaurav, Saurav, Alina, Puneet, Shubham, Sunidhi		
Manish, Sweta, Meenakshi, Surbhi, Kanchan	Role of complexes in biological systems	Dr. Sulekh Chandra
Saral Baweja	Carbohydrate Analysis using alkaline potassium ferricyanide	Dr. Sangeeta Pandita
Vaibhav Pal Singh Neha Kardam	Safe bromination of acetanilides	Dr. Sangeeta Pandita
Manisha Chawla	Nitration of acetanilides using Urea nitrate as a new nitrating agent	Dr. Sangeeta Pandita
Aparna Wadhwa Sandhya Verma	Extraction of nicotine from tobacco	Dr. Sangeeta Pandita

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

S.No.	Student Name	Project Details
1	Manthan Raj—B.Sc.(H) Chemistry Sem IV	IASc-INSA_NASI, Summer Research Fellowship, IISER Kolkata Topic-Abnormal Carbene-9-hydroxy phenalenone and ligand synthesis Guide: Dr. Swadhin Mandal
2.	Aman Dhingra--- B.Sc.(H) Chem. Sem IV	DSKC SUMMER INTERNSHIP PROJECT, Miranda House, University of Delhi Topic: Efficiency of packed fruit juices
3.	Aman Dhingra--- B.Sc.(H) Chemistry Sem IV	Inspire Workshop To check the presence of various antioxidants present in amla extract and walnut extract using $KMnO_4$
4	Saral Baweja--- M.Sc. Chemistry Sem II	Phosphate solubilizing action of bacillus subtilis on bone meal: a novel biofertilizer for crop improvement Indian Agricultural Research Institute, New Delhi. (August 2011 – February 2012) Advisor: Dr. Lata
5.	Saral Baweja--- M.Sc. Chemistry Sem II	Summer Internship at IISc Bangalore Guide: Prof S. Chandrasekaran June and July of 2016.
6.	Madhur Yadav, Neha Kardam, Vaibhav Pal Singh, Manisha Yadav (BSc(H) III Year), Prince Chauhan, Sagar Choudhary(BSc(H) II Year)	3 Weeks long hands on training in making handmade paper from weeds and agro based waste from FRI, Dehradun

23. Awards / Recognitions received by faculty and students

Faculty

Dr. K.K. Arora---Young chemist Award –1984

Students (B.Sc.(H)/M.Sc. Chemistry)

No Record

24. List of eminent academicians and scientists / visitors to the department

- i. Prof. Gurmeet Singh, Department of Chemistry, University of Delhi
- ii. Prof. V.S. Parmar, Department of Chemistry, University of Delhi
- iii. Prof. Srikant Kukerati, Department of Chemistry University of Delhi
- iv. Prof. Rita Kakkar, Department of Chemistry, University of Delhi
- v. Prof S.V. Eswaran, Emeritus Scientist-CSIR
- vi. Prof. H.M Chawla, Department of Chemistry, IIT Delhi
- vii. Prof. A.K. Bakshi, Department of Chemistry, University of Delhi
- viii. Prof. J.M. Khurana, Department of Chemistry, University of Delhi
- ix. Dr. S.K. Dhawan, NPL, Pusa Delhi
- x. Prof. Kanan, Department of Biotechnology, I.P.University
- xi. Prof. I.K. Verma, Polymer Scientist, IIT Delhi
- xii. Dr. S.C. Mittal, Retired Principal Scientific Officer, Government of India
- xiii. Dr. V.C. Kalia, Institute of Genomics and Integrative Biology, Delhi

25. Seminars/ Conferences/Workshops organized & the source of funding

National: Workshop on ZHC-QOA, small scale kit for qualitative organic analysis, at ZHDC, Delhi. October 9, 2003

International: NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.Sc.(H) Chemistry 2013		67	42	25	80.1%
B.Sc.(H) Chemistry 2014		53	35	18	90.5%
B.Sc(H) Chemistry 2015		58	33	25	84.4%

27. Diversity of Students

Name of the Course	% of students from the same state (Delhi)	% of students from other States	% of students from abroad
B.Sc.(H) Chemistry Sem II	15.1	84.8	0
B.Sc.(H) Chemistry Sem IV	21.8	78.1	0
B.Sc.(H) Chemistry Sem VI	35.4	64.5	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

- i. Dr. Suman Dudeja (NET-JRF 1993, GATE 1993)
- ii. Dr Usha Bansal (NET-JRF 1991)
- iii. Dr. Syed Masood Husain (NET-JRF 2004, GATE 2004)
- iv. Dr. Jyoti Singh (NET-JRF 2005)

- v. Dr. Shahzad Ahmad (NET-JRF 2009, GATE 2009, UGC-PDF 2014)
- vi. Dr. Sohail Ahmad (NET-JRF 2008)
- vii. Dr. Ankur Garg (NET-JRF 2008)
- viii. Dr. Meenakshi Gusain (NET-JRF 2009)
- ix. Dr. Ali Raza (NET-JRF 2009)
- x. Dr. Anjali Dhir (NET-JRF 2009, GATE 2010)
- xi. Dr. Manhar Rawat (NET 2011, GATE 2011)

29. Student progression

Student progression	Against % enrolled
UG to PG	80
PG to M.Phil.	5
PG to Ph.D.	10
Ph.D. to Post-Doctoral	5
Employed	NA
• Campus selection	10
• Other than campus recruitment	
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

- i. **Library:** Apart from the college library, the department has plans to open its own departmental library
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** 4 Classrooms
- iv. **Laboratories:** 4 Labs + 1 Instrumentation Lab

31. Number of students receiving financial assistance from college, university, government or other agencies:

2012-13	
List of post matric sholarship to SC/ST/OBC students	5
Vice chancellor's student fund	41
2013-14	
List of merit scholarship to SC/ST/OBC/Minorty Students	10
List of post merit scholarship to SC/ST/OBC/Minorty Students	1
Vice chancellor's student fund	4
Sitaram jindal foundation	2
2014-15	

Minorities scholarship	3
List of post matric scholarship to SC/ST/OBC/Minority students	1
Vice chancellor's student fund	1
2015-16	
World brotherhood organisation scholarship	1

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Lectures delivered in the Department

	TOPIC
Dr V.C.Kalia	Green Fuels and Biopolymers (11 April, 2016)
Prof Gumeet Singh, Deptt. of Chemistry University of Delhi	Importance of Time for Chemists (31 st March, 2015)
Prof. K. Kannan, Deptt of Biotechnology, I.P. University	Wanderings of a Chemist (7 th April 2014)
Prof S E Ishwaran, St Stephen College, University of Delhi	Implication of organic compounds on our life (9 April 2013)
Dr. A.S. Sarpal, Director R&D Deptt, Indian Oil Corporation	Chemistry Matters in our Lives (26 March 2012)
Prof R.K.Saxena, Dept. of Microbiology, University of Delhi	Various aspects of biotechnology, 2011
Prof V.S. Pramar, Deptt. of Chemistry University of Delhi	Current Challenges and Opportunity in Organic Synthesis (22 Feb 2010)
Prof H. M. Chawla, IIT-Delhi	Non-refrigeration shelf life extension of fruit and vegetables (29 Jan 2009)

Research Training

- 3 weeks hands on laboratory exposure in handmade paper making from weeds and agro based wastes at FRI, Dehradun
- Interaction of students with mentors under innovation projects
- Science Setu National Institute of Immunology-Zakir Husain Delhi College. Science Setu programme is an initiative by National Institute of Immunology to expose students and encourage them to pursue science. Towards the implementation of this goal a Memorandum of Understanding (MOU) was signed between NII and Zakir Husain Delhi College. A calendar of activities has been prepared to fulfil the above objective.
- Visit to “Development Alternatives” at Ghittorni to learn about environment friendly alternatives.
- one day industrial visits to following industries
 - i. Mohan Meakin Limited, Mohan Nagar, UP

- ii. Mawana Sugar Ltd, Mawana, UP
- iii. Central Pollution Control Board, Delhi
- iv. Hindusthan National Glass, Bahadurgarh, Haryana
- v. Dabur Research Foundation, Ghaziabad, UP
- vi. Sriram Institute of Industrial Research, Delhi
- vii. Dadoos Ceramic, Khurja, UP
- viii. NuChem Plastics, Faridabad, UP
- ix. Ranbaxy Research Laboratories, Delhi
- x. Central Fertilizer Quality Control & Training Institute, Faridabad, Haryana

33. Teaching methods adopted to improve student learning

- i. Use of MS-Powerpoint to teach students.
- ii. Use of Videos and Animations to enhance understanding of certain concepts.
- iii. Use of Models to teach organic stereochemistry.
- iv. Oral presentation
- v. Wall magazines
- vi. Multimedia
- vii. Group discussions
- viii. Projects
- ix. Industrial and institute visits

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Dr Nadira Arif- National Social Service (N.S.S.) programme officer from 2006-14.

35. SWOC analysis of the department and Future plans

STRENGTHS	WEAKNESSES
1. Faculty of the department contributes actively to college corporate life.	No Exchange Programs due to lack of funds
2. Mentoring of students by departmental teachers.	
3. Cooperation between teaching and non teaching staff of the department	
4. Active Research	
5. Diligent and dedicated Teachers	
OPPURTUNITIES	CHALLENGES
1. Ample Research Opportunities	To improve student inclination towards pursuing chemistry in higher studies.
2. Improvement of Teaching Methods	To help the students who have studied chemistry in Hindi medium to understand the concepts of chemistry

FUTURE PLANS:

- 1) Organization of Seminars/ workshops/ Conferences
- 2) Involvement of more faculty and students in Research
- 3) Collaboration with Industry for Research
- 4) Adoption of Smart Teaching Methods
- 5) Popularization of Chemistry Amongst masses
- 6) Setting up a Departmental Library

Annexure-I

Dr. Sulekh Chandra*Publications in journals*

H-index of the author	34								
Title	Journal	Year, vol. & page no.	ISSN no.	Whether peer reviewed	Impact factor (if any)	Citation index	SNIP	SJR	Name of international database in which publication
1. Unsymmetrical mixed ligand..... antifungal activity	World j. Pharmaceutica l research	4 (2016) 1.	2277 - 7105	Yes	.805	---	.00	.8	Google scholar
2. Synthesis, spectral investigation.....metal complexes	Ejpmr	2016,3(5) , 303-309							
3. Synthesis, characterization.....and leucne	World j. Pharmaceutica l research	5 (2016) 1078.	2277 - 7105	Yes	.805	---	.00	.8	Google scholar
4. Synthesis and characterization.....selective electrode	Materials science and engineering c	62 (2016) 18	0928 - 4931	Yes	3.088	8	.01	.67	Springer
5. Synthesis of macrocyclic antimicrobial studies	Ijpsr	6, 2015, 3							
6. Syntheses, spectroscopic..... cu(ii) metal complexes	Spectrochimic aacta part a	137, (2015) 749	1386 - 1425	Yes	2.353	6	0.20	.6	Elsevier Link
7. Ni(ii) and zn(ii) complexes anticancer activities	Spectrochimic aacta part a	134, (2015) 200		Yes	2.353	-	0.20	.6	Elsevier Link
8. Design, spectral characterization..... furan aldehyde	Spectrochimic aacta part a	143, (2015) 1	1386 - 1425	Yes	2.353	-	0.20	.6	Elsevier Link
9. Design, spectral characterization..... Schiff Bases derived	Spectrochimic aacta part a	145, 2015							
10. Design, spectral characterization..... triazole-3-thiol	Spectrochimic aacta part a	145(2015) 155	1386 - 1425	Yes	2.353	6	0.20	.6	Elsevier Link
11. Synthesis, characterization and..... aminoantipyrine	J. of taibah university for science	Xxx (2016) xxx		Yes	-	-	00	.12	Elsevier Link
12. Coordination mode of pentadentate..... and fungicidal study	Spectrochimic aacta part a	136(2015) 672	1386 - 1425	Yes	2.353	5	0.20	.6	Elsevier Link
13. Mn(ii), co(ii), ni(ii), & cu(ii) microbiology activity	Therapeutic applications,	24, (2015) 14	2320 - 138x	Yes	-	-	00	.82	Google scholar

14.Synthesis, spectroscopic, thienyl methylene	Spectrochimica acta part a	135, (2015) 356	1386 - 1425	Yes	2.353	2	0.20	.6	Elsevier Link
15.Synthesis, spectral evaluation semicarbazide moiety	Therapeutic applications,	24, (2015) 27	2320 - 138x	Yes	-	-	00	.82	Google scholar
16.Synthesis, spectroscopic..... thiosemicarbazone	Spectrochimica acta part a,	(2014) 129	1386 - 1425	Yes	2.353	5	0.20	.6	Elsevier Link
17.Antibacterial and antifungal complexes-a review	International J of chemical sciences	(2014) 5	0976 - 9390	Yes	2.117	4	.04	.91	Google scholar
18.Antifungal screening of nitrogen..... approach	World J. of pharmaceutical research,	(2014) 3	2277 - 7105	Yes	6.805	---	---	0.8	Google scholar
19.Synthesis, spectral characterization..... 2-carboxaldehyde	IJABPT	5, 2014, 244							
20.Spectroscopic and biological approach..... complexes	Spectrochimica acta part a,	(2014) 244	1386 - 1425	Yes	2.353	4	0.20	.6	Elsevier Link
21.Microwave assisted synthesis..... tin metals	Spectrochimica acta part a,	(2014) 733	1386 - 1425	Yes	2.353	2	0.20	.6	Elsevier Link
22.Spectroscopic characterization of capacity of complexes	Spectrochimica acta part a,	(2014) 564	1386 - 1425	Yes	2.353	4	0.20	.6	Elsevier Link
23.Synthesis and spectroscopic ni(ii), pd(ii) and pt(ii)	Journal of saudi chemical society,	(2014) 53	1319 - 6103	Yes	2.523	1		.6	Elsevier Link
24.Synthesis, spectral characterization..... schiff base	Open journal of inorganic chemistry	(2014) 30.	2161 - 7406	Yes	0.75	-		.8	Directory of open access
25.Synthesis and characterizationby reducing agent	Journal of saudi chemical society,	(2014) 149	1319 - 6103	Yes	2.523	-		.51	Elsevier Link
26.Modern spectroscopic technique..... pathogenic fungi,	Spectrochimica acta part a,	(2014) 1056	1386 - 1425	Yes	2.353	1	0.20	.42	Elsevier Link
27.Mn(ii) and cu(ii) complexes..... mycological studies	Spectrochimica acta part a,	(2014) 1	1386 - 1425	Yes	2.353	2	0.20	.6	Elsevier Link
28.Synthesis of ni nanoparticles and their characterization	J saudi chemical society	18, 2014, 437							

29. Pvc membrane selective..... in chocolate samples	Chinese J. of chemical engineering,	(2014) 480	1004 - 9541	Yes	1.342	-	1.172	.6	Elsevier Link
30. A new pb (ii) selective pvc..... as an ionophore	J indian chem soc	91, 2014, 35							
31. Synthesis, spectral characterization..... schiff base ligand,	Spectrochimica acta part a,	(2013) 164	1386 - 1425	Yes	2.353	4	0.20	.52	Elsevier Link
32. Synthesis, spectral characterization..... bidentate schiff base,	Spectrochimica acta part a,	(2013) 91	1386 - 1425	Yes	2.353	1	0.20	.6	Elsevier Link
33. Synthesis of macrocyclic ligands..... antimicrobial studies									
34. Synthesis spectral characterization..... macrocyclic ligands									
35. Synthesis, structural and fungicidal..... compounds,	Spectrochimica acta part a,	(2013) 96	1386 - 1425	Yes	2.353	6	0.20	.6	Elsevier Link
36. Epr, ir, mass and electronic..... metal complexes,	J. of chem. & pharmaceutical research,	(2013) 99	0975 - 7384	Yes	-	2		.32	Scopus
37. Spectral studies of transition..... macrocyclic ligand (I),	Open journal of inorganic chemistry,	(2013) 109	2161 - 7406	Yes	0.75	-		.8	Directory of open access
38. Synthesis, characterization..... sm(iii) electrode,	Sensor letter,	(2013) 1	1546 - 198x	Yes	1.587	8		.42	Chemical abstracts service
39. Modulation of synthetic parameters..... spectral studies,	Spectrochimica acta part a,	(2012) 935	1386 - 1425	Yes	2.353	3	0.20	.6	Elsevier Link
40. Synthesis, spectral and biological studies..... thiosemicarbazone	Journal of saudi chemical society,	(2013) 161		Yes	2.523	4	0.01	.6	Elsevier link
41. Synthesis, spectroscopic characterization..... base ligand,	Spectrochimica acta part a,	(2013) 338	1386 - 1425	Yes	2.353		0.20	.6	Elsevier Link
42. Nickel analysis in real samples..... new schiff base	Material science engineering	(2013) 19	0975 - 1017	Yes	3.09		6	.6	Elsevier Link
43. Spectral, thermal and morphological..... nanoparticles,	Spectrochimica acta part a	(2013) 250	1386 - 1425	Yes	2.353		0.20	.6	Elsevier Link

44. Synthesis, spectral characterization.....selective electrode,	Arabian journal of chemistry,	(2013)	1878 - 5352	Yes	3.390		1.4 89	.52 3	Elsevier Link
45. Tin (ii) selective pvc membrane..... as an ionophore	J chem.	2013							
46. Fabrication of copper selective..... base as carrier	J saudi chem. Soc	2013							
47. Response characteristics.....neutral carrier	J indian chem. Soc	90, 2013, 79							
48. Schiff base macrocyclic..... antimicrobial studies	J indian chem. Soc	90, 2013, 1053							
49. Spectral thermal and electrochemical..... ...selective electrode	Spectrochimica acta part a	2013, 271							
50. Synthesis, characterization..... bisthiosemicarbazone	Open journal of inorganic chemistry,	(2012) 41	2161 - 7406	Yes	0.75			.8	Directory of open access
51. Modulation of synthetic parameters..... thermal studies,	Spectrochimica acta part a,	(2012) 23	1386 - 1425	Yes	2.353		0.2 0	.6	Elsevier Link
52. Novel thiocyanate ion-selective..... as a carrier	Monatsh chem	(2012)	0026 - 9247	Yes	1.22		.22	.24	Springer link
53. Spectroscopic and biological..... ... thiosemicarbazone,	International journal..... ... technology,	(2012) 149	0976 - 4550	Yes	1.265			.6	E-journals.org
54. Synthesis, characterisation..... thiosemicarbazones,	J of chem. & pharmaceutical research,	(2012) 1612	0975 - 7384	Yes				.42	Directory of open access
55. Synthesis & characterization.....and derivatives,	Der chemicasinica,	(2012) 1	0976 - 8505	Yes	0.676			.8	Google scholar
56. Selective electrochemical..... sensor carbohydrazone	Analytical and bioanalytical Electrochem.	(2012) 45	2008 - 4226	Yes	3.578			.4	Springer link
57. Highly selective oxalate..... on [Cu](ac) ₂ ,	Journal of applied chemistry,	(2012) 39	0973 - 1792	Yes	-			.32	Scopus
58. Assessment of water quality..... ... lake mumbai, india,	Chemical science transaction,	(2012) 508	2278 - 3318	Yes	0.215 3			.45	Directory of open access

59. New hexadentate-macrocyclic antimicrobial studies	Spectrochimica acta part a,	(2012)	1386 - 1425	Yes	2.353			.65	Elsevier Link
60. Highly selective monohydrogen.....[cr1](no ₃) ₃ ,	J of chemi. and pharmaceutical research,	(2012)	0975 - 7384	Yes				.6	E-journals.org
61. Fabrication of copper-selective..... base as carrier,	Journal of saudi chemical society,	(2012)	1319 - 6103	Yes	2.523			.8	Elsevier Link
62. Recyclable copper nanoparticles..... schiff bases,	J of saudi chemistry society,	(2012)	1319 - 6103	Yes				.42	Elsevier Link
63. Cr(iii) and mn(ii) complexes..... biological studies	J indian chem soc.	89, 2012, 147							
64. Development of a new copper(ii)..... amine,	J of indian chemical society,	(2011)	0019 - 4522	Yes				.42	Chemical abstracts service
65. Perchlorate selective pvc..... semicarbazone,	Analytical and bioanalytical Electrochem.	(2011)	2008 - 4226	Yes	3.578			.4	Springer link
66. Synthesis of ni-nanoparticle and their characterizations,	Journal of saudi chemical society,	(2011)	1319 - 6103	Yes	2.523			.22	Elsevier Link
67. A new green catalytic approach..... sulphur ligand	Journal of applied chemistry,	(2011)	0973 - 1792	Yes	-			.42	Google scholar
68. Synthesis and characterization..... reducing agent,	Journal of saudi chemical society,	(2011)	1319 - 6103	Yes	2.523			.3	Elsevier Link
69. Spectroscopic and mycological..... derivative	Spectrochimica acta part a,	(2011)	1386 - 1425	Yes	2.353		0.20	.6	Elsevier Link
70. Synthesis, molecular modeling..... alcohol function,	Spectrochimica acta part a,	(2011)	1386 - 1425	Yes	2.353		0.20	.6	Elsevier Link
71. Structural and pharmacological..... metal complexes,	Synthesis and..... chemistry,	(2011)	0094 - 5714	Yes	0.533		0.12	.6	Scopus
72. Construction of La(iii) selective..... dibenzocyclotridecane	Analytical and bioanalytical electrochemistry,	(2011)	2008 - 4226	Yes	3.578			.4	Springer link
73. Green approach for the synthesis..... oxidative cyclization,	International journal..... technology,	(2011)	0976 - 4550	Yes	1.265			.6	E-journals.org

74.Green approach for the synthesis.....presence of k_2CO_3 ,	International J of applied chemistry,	(2011) 59	0973 - 1792	Yes	-			0.1	E-journals.org
75.Tetraazamacrocyclic complexes: synthesis, and antifungal studies,	J of chem. and pharmaceutical research,	(2011) 56	0975 - 7384	Yes				.4	Directory of open access
76.Synthesis of nnnn tetradentate..... studies,	Spectrochimica acta part a,	(2011) 1578	1386 - 1425	Yes	2.353		0.20	.6	Elsevier Link
77.Chromium (iii) ion selective..... semicarbazone	Analytical and bioanalytical electrochemistry,	(2011) 119	2008 - 4226	Yes	3.578			.4	Springer link
78.Spectral and anti-microbial..... metal ions,	Journal of Saudi chemical society,	(2011) 49	1319 - 6103	Yes	2.523			.22	Elsevier Link
79.Synthesis, spectroscopic..... against some fungi,	Journal of Saudi chemical society,	(2011) 19	1319 - 6103	Yes	2.523			.42	Elsevier Link
80.Complexation of nitrogen..... studies	Spectrochimica acta part a,	(2011) 337	1386 - 1425	Yes	2.353		0.20	.6	Elsevier Link
81.Nickel(ii) selectiveas neutral carrier,	J of Indian chemical society,	(2011) 88	0019 - 4522	Yes				.6	Chemical abstracts service
82.A study of the antifungal screening,	J of Indian chemical society,	(2011) 853	0019 - 4522	Yes				.12	Chemical abstracts service
83.Synthesis, spectral and antifungal..... macrocyclic ligand,	Journal of Saudi chemical society	(2011) 157	1319 - 6103	Yes	2.523			.12	Elsevier Link
84.Synthesis and spectral studies..... azamacrocyclic ligand	I j curr chem	2, 2011, 235							
85.Evaluation of physico-chemical..... river water in India	E journals	8, 2011, 1546							
86.Cu(ii) selective pvc membrane..... as an ionophore,	Der pharmaceutica,	(2010) 256	0975 - 413x	Yes	-			.42	scholars research library
87.Preparation, characterization.....and glycine,	J of chem. and pharmaceutical research,	(2010) 253	0975 - 7384	Yes				.3	Google scholar
88.Easy way of sample monitoring.....and biosensors,	Analytical and bioanalytical electrochemistry,	(2010) 212	2008 - 4226	Yes	3.578			.4	Springer link

89. Synthesis of nnnn antimicrobial studies,	Synthesis and reactivity..... chemistry	(2010) 801	0094 - 5714	Yes	0.533			0.08	Directory of open access
90. Lead(ii) selective pvc as an ionophore,	Analytical and bioanalytical electrochemistry,	(2010) 125	2008 - 4226	Yes	3.578			.4	Springer link
91. Copper(ii)-selective potentiometric..... in pvc matrix,	Analytical and bioanalytical electrochemistry,	(2010) 88	2008 - 4226	Yes	3.578			.4	Springer link
92. Synthesis and characterization complexes	J of serbian chemical society,	(2010) 93	0352 - 5139	Yes				.22	Scopus
93. Physico-chemical and pharmacological..... ranitidine and glycine,	J of chem. and pharmaceutical research,	(2010) 626	0975 - 7384	Yes				.62	Google scholar
94. Synthesis and spectroscopic..... (macrocyclic) ligands	J of indian chemical society,	(2010) 1379	0019 - 4522	Yes				.8	Chemical abstracts service
95. Highly selective potentiometric..... diamine cu complex	Sensor letters,	(2010) 753	1546 - 198x	Yes				.12	Scopus
96. Biological active cobalt(ii)..... spectroscopic aspects,	E-journal of chemistry,	(2010) 1238	0973 - 4945	Yes	-			.2	Directory of open access
97. Synthesis, characterization..... macrocyclic ligand,	Journal of nepal chemical society,	(2010) 46	2091 - 0304	Yes				.5	Directory of open access
98. Synthesis, spectroscopic..... macrocyclic ligands,	J of chem. pharmaceutical research	(2010) 339	0975 - 7384	Yes				.4	Google scholar
99. Synthesis and spectroscopic..... cyclic complexes	J. of chem. & pharmaceutical research,	(2010) 533	0975 - 7384	Yes				.8	Google scholar
100. Highly selective oxalate ion..... diamine as carrier,	Chinese journal of chemistry,	(2010) 1140	1004 - 9541	Yes				.8	E-journals.org
101. Development of as a neutral carrier,	Chinese journal of chemistry,	(2010) 833	1004 - 9541	Yes				.38	E-journals.org
102. Synthesis, spectral ligand with pendent arms,	J of indian chemical society,	(2010) 1245	0019 - 4522	Yes	0.251			.38	Chemical abstracts service
103. Lanthanide complexes..... thermal investigation,	Spectrochimica acta part a,	(2010) 835	1386 - 1425	Yes	2.353			.12	Elsevier Link

104. Zinc selective as neutral carrier,	Journal of saudi chemical society	(2010) 50	1319 - 6103	Yes	2.523			.6	Elsevier Link
105. Spectroscopic, thermal..... carbazone moieties,	J of thermal analysis and calorimetry,	(2010) 261	1388 - 6150	Yes	2.042			.42	Springer link
106. Transition metal complexes..... antifungal activities,	Phosphorous, elements,	(2010) 22		Yes	-			.32	Google scholar
107. Synthesis, physical..... macrocyclic ligand		2010							
108. Nitrate selective polymeric..... ligand as carrier,	Sensor letters,	(2009) 1100		Yes				.4	Directory of open access
109. Synthesis and spectroscopic..... semicarbazone,	International J of pure applied chemistry,	(2009) 5	0973 - 3876	Yes				.22	Scopus
110. Spectroscopic and biological.....semicarbazide,	J of serbian chemical society,	(2009) 1413	0352 - 5139	Yes	0.871			1.0	Scopus
111. Ni(ii) and cu(ii) complexes..... antimicrobial studies,	International J of pure applied chemistry,	(2009) 147	0973 - 3876	Yes				.7	Scopus
112. Biological and spectral..... (thiocarbahydrazone),	Journal of coordination chemistry,	(2009) 3688	0095 - 8972	Yes	2.224			1.0	Springer link
113. Spectroscopic, thermal..... thiosemicarbazone,	J of serbian chemical society,	(2009) 907	0352 - 5139	Yes				.4	Scopus
114. Synthesis, spectral and biological complexes,	Spectrochimic aacta part a,	(2009) 370	1386 - 1425	Yes	2.353			.28	Elsevier Link
115. Lanthanum monitoring membrane electrode,	Analytical and bioanalytiicale lectrochemistry,	(2009) 98	2008 - 4226	Yes	3.578			.4	Springer link
116. Antifungal and spectral..... thiodiprepe derivative,	Research letter in inorganic chemistry,	(2009) 1	1687 - 6806	Yes	-			.22	Chemical abstracts service
117. Applications of several.....diacetylpyridine,	Spectrochimic aacta part a,	(2009) 271	1386 - 1425	Yes	2.353			.2	Elsevier Link
118. Synthesis, spec- troscopic..... thiosemicarbazone,	Bioinorg. Chem. Appl,	(2009)		Yes	1.661			.27	Directory of open access

119. Synthesis and spectroscopic..... piperazine derivative,	J of indian chemical society,	(2009) 690	0019 - 4522	Yes	0.251			.1	Chemical abstracts service
120. Nickel(ii) and copper(ii)..... epr spectral studies,	Spectrochimica acta part a,	(2009) 851	1386 - 1425	Yes	2.353			.12	Elsevier Link
121. Spectroscopic studies..... macrocyclic ligand,	J of indian chemical society,	(2009) 220	0019 - 4522	Yes	0.251			.6	Chemical abstracts service
122. Synthesis, spectroscopic..... of thiosemicarbazide,	Russian J of coordination chemistry,	(2009) 330	1070 - 3284	Yes	0.629			.12	Springer
123. Thiocyanate selective..... carbazone as carrier,	Analytical letters	(2009) 3058	0003 - 2719	Yes	.982			.4	Indexcope rnicus
124. Tetraazamacrocyclic..... antimicrobial studies,	Journal of coordination chemistry,	(2009) 1327	0095 - 8972	Yes	2.224			.35	Springer
125. Synthesis and antimicrobial..... metal complexes,	International J of chemical science,	(2009) 116	0972 - 768x	Yes				.4	Indexcope rnicus
126. Synthesis, structural..... and semicarbazone,	Phosphorous, elements,	(2009) 778	1042 - 6507	Yes				.9	Directory of open access
127. Mn(ii), co(ii), ni(ii)..... biological screening,	J of iranian chemical society,	(2009) 310	1735 - 2428	Yes	1.406			.2	Springer
128. Polymeric membrane..... diene,	Material science of engineering,	(2009) 107		Yes				.3	Springer
129. Coordination modes anti microbiol studies,	Molecules,	(2009) 174	1420 - 3049	Yes	2.416			.67	Scopus
130. Synthesis, structural..... cu(ii) complexes,	Russian J of coordination chemistry,	(2009) 25	1070 - 3284	Yes				.5	Elsevier link
131. Epr, mass, electronic..... bis(carbahydrozone),	Spectrochimica acta part a,	(2009) 1712	1386 - 1425	Yes	2.353			.3	Elsevier Link
132. Novel ion selective..... of ce(iii) ion,	International J of pure applied chemistry,	(2008) 179	0973 - 3876	Yes				.6	Directory of open access
133. Ni(ii), pd(ii), and pt(ii)..... investigation,	J of serbian chemical society,	(2008) 727	0352 - 5139	Yes				1.0	Scopus

134. Lanthanide complexes.....investigation,	J of indian chemical society	(2008) 783	0019 - 4522	Yes	0.251			.4	Chemical abstracts service
135. Cr(iii) and mn(ii)..... characterization,	International J of pure applied chemistry,	(2008) 185	0973 - 3876	Yes				.12	Directory of open access
136. Synthesis and spectral..... zn(ii), pd(ii) and pt(ii),	J of indian chemical society,	(2008) 896	0019 - 4522	Yes	0.251			1.0	Chemical abstracts service
137. Synthesis, spectral..... co(ii), ni(ii) and cu(ii),	J of indian chemical society,	(2008) 980	0019 - 4522	Yes	0.251			.12	Chemical abstracts service
138. Synthesis and spectroscopic..... macrocyclic ligand	J of indian chemical society,	(2008) 800	0019 - 4522	Yes	0.251			.12	Chemical abstracts service
139. Spectroscopy: the study..... copper(ii) complexes,	Spectrochimica acta part a,	(2008) 496	1386 - 1425	Yes	2.353			.12	Elsevier Link
140. Spectroscopic studies..... macrocyclic ligand,	Spectrochimica acta part a,	(2008) 458	1386 - 1425	Yes	2.353			.6	Elsevier Link
141. Spectroscopic studies..... macrocyclic ligand,	Spectrochimica acta part a,	(2008) 746	1386 - 1425	Yes	2.353			.6	Elsevier Link
142. Structural and spectral..... macrocyclic ligands,	Spectrochimica acta part a,	(2008) 720	1386 - 1425	Yes	2.353			.6	Elsevier Link
143. Synthesis, spectral..... macrocyclic ligand,	Russian J of coordination chemistry,	(2008) 1	1070 - 3284	Yes				.6	Elsevier link
144. Epr, ir and electronic..... macrocyclic ligand,	Spectrochimica acta part a,	(2008) 1001	1386 - 1425	Yes	2.353			.4	Elsevier Link
145. Spectroscopic and..... thiosemicarbazone,	Spectrochimica acta part a,	(2008) 816	1386 - 1425	Yes	2.353			.6	Elsevier Link
146. Synthesis and structural..... carboxaldehyde,	J of indian chemical society,	(2008) 243	0019 - 4522	Yes	0.251			.6	Chemical abstracts service
147. Spectroscopic characterization.....macrocyclic ligand,	Spectrochimica acta part a,	(2008) 1	1386 - 1425	Yes	2.353			.12	Elsevier Link
148. Spectroscopic and..... semi carbazone ligands,	J of indian chemical society,	(2008) 42	0019 - 4522	Yes	0.251			.6	Chemical abstracts service

149. Thiocyanate selective..... carbazone as carrier	Analytical letters	41, 2008, 2058							
150. Novel cu(ii) selective..... as an ionophore,	International J of pure applied chemistry,	(2007) 415	0973 - 3876	Yes				.12	Directory of open access
151. Highly sensitive and..... azatricyclodecaene,	International J of pure applied chemistry,	(2007) 347	0973 - 3876	Yes	-			1.0	Directory of open access
152. Synthesis and characterization..... decaazamacrocycles,	Journal of saudi chemical society,	(2007) 483	1319 - 6103	Yes	2.523			1.0	Elsevier Link
153. Spectroscopic and..... macrocyclic ligand,	Spectrochimica acta part a,	(2007) 1250	1386 - 1425	Yes	2.353			.42	Elsevier Link
154. Synthesis and spectroscopic..... macrocyclic ligand,	Transition metal chemistry,	(2007) 1079		Yes	1.402			.6	Springer Link
155. Synthesis, spectroscopic..... bis(thiosemicarbazone	Bioinorganic chemistry and application	(2007)	1565 - 3633	Yes	-			.2	Directory of open access
156. Spectral and magnetic..... donor ligands,	Journal of saudi chemical society,	(2007) 299	1319 - 6103	Yes	2.523			.3	Elsevier Link
157. Ir electronic and epr spectral..... macrocyclic ligands,	Journal of saudi chemical society,	(2007) 307	1319 - 6103	Yes	2.523			.42	Elsevier Link
158. A novel al ³⁺ selective..... biological fluid,	Jordan journal of chemistry,	(2007) 79	0004 - 9425	Yes	-			.42	Indexcope rnicus
159. A copper(ii) selective.....2,4,6,10-tetraene	Analytical science,	(2007) 683	1225 - 0163	Yes	1.394			.3	Scopus
160. Spectroscopic evaluation..... and semicarbazone,	Spectrochimica acta part a,	(2007)14 10	1386 - 1425	Yes	2.353			.2	Elsevier Link
161. Electronic, epr and magnetic..... carboxyaldehyde,	Spectrochimica acta part a,	(2007) 697	1386 - 1425	Yes	2.353			.6	Elsevier Link
162. Synthesis, spectroscopic.....metal complexes,	Transition metal chemistry,	(2007) 558		Yes	1.402			.6	Springer link
163. The spectroscopy..... cobalt(ii) complexes,	Spectrochimica acta part a,	(2007) 839	1386 - 1425	Yes	2.353			.4	Elsevier Link

164.	Spectroscopic and acetylthiophene,	Spectrochimica acta part a,	(2007) 697	1386 - 1425	Yes	2.353			.6	Elsevier Link
165.	Spectral and magnetic..... sulphur donor ligands	Journal of saudi chemical society,	(2007)29 9	1319 - 6103	Yes	2.523			.6	Elsevier Link
166.	Spectral, ir and magnetic..... thiosemicarbazone,	Spectrochimica acta part a,	(2007) 469	1386 - 1425	Yes	2.353			.42	Elsevier Link
167.	Spectral studies of co(ii)..... carbazone moieties,	Spectrochimica acta part a,	(2007) 880	1386 - 1425	Yes	2.353			.6	Elsevier Link
168.	Synthesis and physicochemical..... thiosemicarbazones(l),	J of indian chemical society,	(2007) 25	0019 - 4522	Yes	0.251			.6	Chemical abstracts service
169.	Spectral and magnetic..... macrocyclic ligands,	Journal of saudi chemical society,	(2007) 4	1319 - 6103	Yes	2.523			.12	Elsevier Link
170.	Epr, magnetic and spectral..... sulphur donor ligands,	Journal of saudi chemical society,	(2007) 47	1319 - 6103	Yes	2.523			.42	Elsevier Link
171.	A highly..... tetraazamacrocyclic compounds,	Analytical science and technology,	(2007) 469	1225 - 0163	Yes	-			.42	Springer link
172.	Synthesis and spectroscopic..... macrocyclic ligand,	J of indian chemical society,	(2007) 223	0019 - 4522	Yes	0.251			.3	Chemical abstracts service
173.	Synthesis and spectral..... macrocyclic ligand,	Transition metal chemistry,			Yes	1.402			.12	Springer link
174.	Modern spectroscopic..... metal complexes,	Transition metal chemistry,	(2007) 240		Yes	1.402			.4	Springer link
175.	Spectroscopic technique..... macrocyclic ligand,	Spectrochimica acta part a,	(2007) 188	1386 - 1425	Yes	2.353			.4	Elsevier Link
176.	Polymeric membrane..... carbazone complex,	J of chem. and pharmaceutical research,	(2007) 291	0975 - 7384	Yes				.6	Google scholar
177.	Spectral studies on..... from 2-acetyl furan,	Spectrochimica acta part a,	(2007) 1347	1386 - 1425	Yes	2.353			.8	Elsevier Link
178.	Spectroscopic and and their adducts,	Spectrochimica acta part a,	(2007) 972	1386 - 1425	Yes	2.353			.6	Elsevier Link

179. Spectral study with..... electroni spectroscopy	Spectrochimic aacta part a,	(2007) 74	1386 - 1425	Yes	2.353			.6	Elsevier Link
180. Spectral and physicochemical.....donor ligands	J of indian chemical society,	(2007) 55	0019 - 4522	Yes	0.251			.6	Chemical abstracts service
181. Spectral studies onfuran thiosemicarbazone (I),	Journal of saudi chemical society,	(2006) 485	1319 - 6103	Yes	2.523			.12	Elsevier Link
182. Synthesis and spectral..... macrocyclicligand,	J of indian chemical society,	(2006) 988	0019 - 4522	Yes	0.251			.42	Chemical abstracts service
183. Spectral studies..... donor ligands,	Journal of saudi chemical society,	(2006) 491	1319 - 6103	Yes	2.523			.12	Elsevier Link
184. Synthesis, spectral..... 2-acetyl thiophene,	J of indian chemical society,	(2006) 993	0019 - 4522	Yes	0.251			.42	Chemical abstracts service
185. Pvc based.....determination of zinc(ii) ion,	J of indian chemical society,	(2006) 369	0019 - 4522	Yes	0.251			.12	Chemical abstracts service
186. Coordination stability..... cyclic ligands,	Spectrochimic aacta part a,	(2006) 852	1386 - 1425	Yes	2.353			.12	Elsevier Link
187. Biological..... antibacterial approach,	Transition metal chemistry,	(2006) 147		Yes	1.402			.6	Springer link
188. Nickel(ii)..... electrochemical studies,	Spectrochimic aacta part a,	(2006) 215	1386 - 1425	Yes	2.353			.4	Elsevier Link
189. Novel copper(ii)..... and spectral studies,	Spectrochimic aacta part a,	(2006) 587	1386 - 1425	Yes	2.353			.6	Elsevier Link
190. Spectroscopic characterization..... ...macrocyclic ligand	Spectrochimic aacta part a,	(2006) 792	1386 - 1425	Yes	2.353			.6	Elsevier Link
191. Physicochemical and..... macrocyclic ligand,	Transition metal chemistry,	(2006) 368		Yes	1.402			.6	Springer link
192. Spectroscopic approach..... their adducts,	Spectrochimic aacta part a,	(2006) 463	1386 - 1425	Yes	2.353			.4	Elsevier Link
193. X-ray powder diffraction..... ...macrocyclic ligand	Synth. met. Chem.,	(2005) 683	1873 - 3557	Yes	-			.6	Google scholar

194.	Synthesis,..... macrocyclic ligands,	Journal of saudi chemical society,	(2005) 545	1319 - 6103	Yes	2.523			.4	Elsevier Link
195.	Spectral and heterocyclic ketone,	Spectrochimic aacta part a,	(2005) 219	1386 - 1425	Yes	2.353			.6	Elsevier Link
196.	Spectral studies of..... heterocyclic ketone,	Spectrochimic aacta part a,	(2005) 940	1386 - 1425	Yes	2.353			.6	Elsevier Link
197.	Spectral studies, cyclic..... donor macrocyclic ligands,	Spectrochimic aacta part a,	(2005) 1050	1386 - 1425	Yes	2.353			.6	Elsevier Link
198.	Spectroscopic studies..... donor macrocyclic ligand,	Spectrochimic aacta part a,	(2005) 518	1386 - 1425	Yes	2.353			.6	Elsevier Link
199.	Spectroscopic, physicochemical..... metal complexes,	Transition metal chemistry,	(2005) 630		Yes	1.402			.6	Springer link
200.	Electronic, epr, magnetic..... macrocyclic ligand,	Spectrochimic aacta part a,	(2005) 1089	1386 - 1425	Yes	2.353			.4	Elsevier Link
201.	Spectroscopic and biological..... thiosemicarbazones,	Spectrochimic aacta part a,	(2005) 1102	1386 - 1425	Yes	2.353			.6	Elsevier Link
202.	Mass, epr, ir and electronic..... metal complexes,	Spectrochimic aacta part a,	(2005) 1125	1386 - 1425	Yes	2.353			.6	Elsevier Link
203.	Spectroscopic, cyclic..... thiosemicarbazide,	Spectrochimic aacta part a,	(2005) 453	1386 - 1425	Yes	2.353			.6	Elsevier Link
204.	Modern..... complexes with transition metals,	Spectrochimic aacta part,	(2005) 307	1386 - 1425	Yes	2.353			.6	Elsevier Link
205.	Template synthesis.....macrocyclic ligand,	Journal of saudi chemical society,	(2005) 303	1319 - 6103	Yes	2.523			.6	Elsevier Link
206.	A polymeric membrane..... thorium(iv),	Indian journal of chemistry,	(2005) 20	0975 - 0983	Yes	0.648			.42	Chemical abstracts service
207.	Copper(ii) complexes..... macrocyclic ligands,	J of indian chemical society,	(2005) 1087	0019 - 4522	Yes	0.251			.12	Chemical abstracts service
208.	Bismuth(ii) selective..... on ion exchanger,	J of indian chemical society,	(2005) 875	0019 - 4522	Yes	0.251			.12	Chemical abstracts service

209. Magnetic, electronic..... macrocyclic ligands,	Spectrochimica acta part a,	(2005) 1175	1386 - 1425	Yes	2.353			.12	Elsevier Link
210. Spectroscopic characterization..... semicarbazones	Spectrochimica acta part a,	(2005) 2549	1386 - 1425	Yes	2.353			.6	Elsevier Link
211. Synthesis, spectroscopic..... macrocyclic ligands,	Synth. React. Inorg. Met- org. Chem.,	(2005) 101	1873 - 3557	Yes				.6	Google scholar
212. Synthesis, cyclic voltametry..... macrocyclic ligands,	J of indian chemical society,	(2005) 693	0019 - 4522	Yes	0.251			.2	Chemical abstracts service
213. Synthesis and spectral..... macrocyclic ligands,	Kuwait journal of science and engineering,	(2005) 61	1024 - 8684	Yes				.12	Directory of open access
214. A potentiometrical(iii) ions,	J of indian chemical society,	(2005) 507	0019 - 4522	Yes	0.251			.3	Chemical abstracts service
215. Cadmium(ii) ion..... thiosemicarbazone,	J of indian chemical society,	(2005) 472	0019 - 4522	Yes	0.251			.12	Chemical abstracts service
216. Spectroscopic studies.....1,3,8,10-tetraene,	Spectrochimica acta part a,	(2005) 1181	1386 - 1425	Yes	2.353			.12	Elsevier Link
217. Synthesis, epr, electronic..... thiosemicarbazones,	J of indian chemical society,	(2005) 131	0019 - 4522	Yes	0.251			.6	Chemical abstracts service
218. Designing and synthesis..... biological screening,	J of indian chemical society,	(2005) 454	0019 - 4522	Yes	0.251			.12	Chemical abstracts service
219. Spectroscopic approach..... macrocyclic ligand,	Spectrochimica acta part a,	(2005) 2139	1386 - 1425	Yes	2.353			.12	Elsevier Link
220. Electrochemical, cyclic..... donor ligands,	Spectrochimica acta part a,	(2005) 437	1386 - 1425	Yes	2.353			.12	Elsevier Link
221. Synthesis, electrochemistry..... macrocyclic ligands,	Synth. React. Inorg. Met- org. Chem.,	(2005) 161	1873 - 3557	Yes				.6	Google scholar
222. Epr, mass, ir, electronic..... thiosemicarbazones,	Spectrochimica acta part a,	(2005) 269	1386 - 1425	Yes	2.353			.3	Elsevier Link
223. Electronic, epr, cyclic..... macrocyclic ligands,	Transition metal chemistry,	(2004) 925		Yes	1.402			.6	Springer link

224. Synthesis and spectral..... entane,	J of indian chemical society,	(2004) 833	0019 - 4522	Yes	0.251			.4	Chemical abstracts service
225. Spectroscopic characterization..... metal complexes,	Spectrochimica acta part a,	(2004) 2767	1386 - 1425	Yes	2.353			.12	Elsevier Link
226. Synthesis, spectroscopic..... tetradentate [n ₄] ligand,	J of indian chemical society,	(2004) 739	0019 - 4522	Yes	0.251			.6	Chemical abstracts service
227. Synthesis, physicochemical..... ethyl cinnamate,	Synth. React. Inorg. Met- org. Chem.,	(2004) 1591	1873 - 3557	Yes				.12	Google scholar
228. Synthesis, magnetic..... thiosemicarbazone,	Synth. React. Inorg. Met- org. Chem.,	(2004) 1417	1873 - 3557	Yes				.67	Google scholar
229. Mass, ir, electronic..... macrocyclic ligand,	Spectrochimica acta part a,	(2004) 3079	1386 - 1425	Yes	2.353			.67	Elsevier Link
230. Synthesis and spectral..... macrocyclic ligand,	Journal of saudi chemical society,	(2004) 269	1319 - 6103	Yes				.6	Elsevier Link
231. Studies on cr(iii) and co(ii) donor,	Journal of saudi chemical society,	(2004) 261	1319 - 6103	Yes				.42	Elsevier Link
232. Spectroscopic, redox and..... thiodiglycolic acid,	Spectrochimica acta part a,	(2004) 2153	1386 - 1425	Yes	2.353			.42	Elsevier Link
233. Synthesis and spectral studies..... macrocyclic ligand	Transition metal chemistry,	(2004) 269		Yes	1.402			.6	Springer link
234. Spectroscopic characterization..... thiosemicarbazone,	Spectrochimica acta part a,	(2004) 2825	1386 - 1425	Yes	2.353			.4	Elsevier Link
235. Spectroscopic studies..... cinnamate moiety,	Spectrochimica acta part a,	(2004) 2411	1386 - 1425	Yes	2.353			.6	Elsevier Link
236. Studies on the synthesis..... ni(ii) and cu(ii) complexes,	Journal of saudi chemical society,	(2004) 77	1319 - 6103	Yes				.6	Elsevier Link
237. Epr, ir and electronic..... ligand,	Spectrochimica acta part a,	(2004) 1751	1386 - 1425	Yes	2.353			.42	Elsevier Link
238. Synthesis and spectral..... ligand,	Synth. React. Inorg. Met- org. Chem.,	(2004) 819	1873 - 3557	Yes				.6	Google scholar

239. Synthesis, physiochemical..... ... and cu(ii) metals,	J of indian chemical society,	(2004) 85	0019 - 4522	Yes	0.251			.67	Chemical abstract service
240. Epr ligand and their biological activity,	Spectrochimica acta part a,	(2004) 1563	1386 - 1425	Yes	2.353			.12	Elsevier Link
241. Eprsome n-o donor ligands,	J of indian chemical society,	(2004) 5	0019 - 4522	Yes	0.251			.6	Chemical abstract service
242. Synthesis and characterization..... ... macrocyclic ligand,	Synth. React. Inorg. Met- org. Chem.,	(2004) 75	1873 - 3557	Yes				.12	Google scholar
243. Epr, magnetic and spectral and glyoxal,	Spectrochimica acta part a,	(2004) 147	1386 - 1425	Yes	2.353			.67	Elsevier Link
244. Advances in the chemistry..... antibiotic agents,	J of indian chemical society,	(2003) 1045	0019 - 4522	Yes	0.251			.6	Chemical abstract service
245. Cobalt(ii) complexes..... thiosemicarbazones,	Journal of saudi chemical society,	(2003) 337	1319 - 6103	Yes				.27	Elsevier Link
246. Synthesis and spectral thiosemicarbazone,	J. Ind. Council chemists,	(2003) 31	0376 - 4710	Yes				.42	Scopus
247. Synthesis and spectral, bidentateshiff base,	Orient journal of chemistry,	(2003) 611	0970 - 020x	Yes				.42	Directory of open access
248. Synthesis, spectral nature.....metal complexes,	Orient journal of chemistry,	(2003) 355	0970 - 020x	Yes				.27	Directory of open access
249. Manganese(ii) complexes..... thiophene aldehyde,	Orient journal of chemistry,	(2003) 441	0970 - 020x	Yes				.27	Directory of open access
250. Synthesis of complexes macrocyclic ligands,	Synth. React. Inorg. Met- org. Chem.,	(2003) 1911	1873 - 3557	Yes				.27	Google scholar
251. Studies on stereochemistry metal complexes,	Journal of saudi chemical society,	(2003) 249	1319 - 6103	Yes				.67	Elsevier Link
252. Synthesis characterization macrocyclic ligand,	Journal of saudi chemical society,	(2003) 243	1319 - 6103	Yes				.42	Elsevier Link
253. Synthesis, epr, electronic thiosemicarbazone,	Synth. React. Inorg. Met- org. Chem.,	(2003) 147	1873 - 3557	Yes				.42	Google scholar

254. Mossbauer and electronic complexes of oxime,	Spectrochimica acta part a,	(2003) 755	1386 - 1425	Yes	2.353			.67	Elsevier Link
255. Synthesis and spectral macrocyclic ligand,	Journal of saudi chemical society,	(2003) 331	1319 - 6103	Yes				.6	Elsevier Link
256. Spectroscopic studies ontheir pyridine adduct,	Journal of saudi chemical society,	(2002) 451	1319 - 6103	Yes				.42	Elsevier Link
257. Chromium(iii), manganese(ii)..... macrocyclic ligand,	Transition metal chemistry,	(2002) 732		Yes	1.402			.42	Springer link
258. Stereochemical and spectral donor ligands,	Journal of saudi chemical society,	(2002) 237	1319 - 6103	Yes				.4	Elsevier Link
259. Synthesis and spectral studies..... carbazone moiety,	Indian journal of chemistry,	(2002) 1629	0975 - 0983	Yes	0.648			.42	Directory of open access
260. Synthesis and spectral..... macrocyclic ligand,	Synth. React. Inorg. Met- org. Chem.,	(2002) 545	1873 - 3557	Yes				.12	Google scholar
261. Twelve, fourteen andon ligand field strength,	Transition metal chemistry,	(2002) 329		Yes	1.402			.67	Springer link
262. Chromium(iii), manganese(ii)..... macrocyclic ligand,	Transition metal chemistry,	(2002) 196		Yes	1.402			.4	Springer link
263. Synthesis and epr spectral of some oximes,	J of indian chemical society,	(2002) 129	0019 - 4522	Yes	0.251			.4	Chemical abstract service
264. Synthesis and spectral macrocyclic ligands,	J. Ind. Council chemist,	(2001) 73	0376 - 4710	Yes				.12	E- journals.o rg
265. Copper(ii) complexes thiosemicarbazone,	J. Ind. Council chemist,	(2001) 5	0376 - 4710	Yes				.2	E- journals.o rg
266. Magnetic and spectral studies donor ligands,	Journal of saudi chemical society,	(2001) 175	1319 - 6103	Yes				.2	Elsevier Link
267. Esr, magnetic and electronic..... semicarbazones,	Synth. React. Inorg. Met- org. Chem.,	(2001) 1759	1873 - 3557	Yes				.42	Google scholar
268. Synthesis and spectral studies macrocyclic ligands,	J of indian chemical society,	(2001) 11	0019 - 4522	Yes	0.251			.67	Chemical abstract service

269. Synthesis and spectral macrocyclic ligand,	Synth. React. Inorg. Met-org. Chem.,	(2001)1205	1873 - 3557	Yes				.12	Google scholar
270. Synthesis, epr and electronic some oximes,	Synth. React. Inorg. Met-org. Chem.,	(2001)779	1873 - 3557	Yes				.67	Google scholar
271. Template synthesis macrocyclic ligands,	Synth. React. Inorg. Met-org. Chem.,	(2001)661	1873 - 3557	Yes				.67	Google scholar
272. Synthesis and spectral studies macrocyclic ligands	Indian journal of chemistry,	(2001)775	0975 - 0983	Yes	0.648			.67	Directory of open access
273. Epr..... tetradentatemacrocyclic ligands,	J. Ind. Council chemist,	(2000)43	0376 - 4710	Yes				.12	E-journals.org
274. Synthesis and spectral studies..... macrocyclic ligands,	Indian journal of chemistry ,	(1998)1074	0975 - 0983	Yes	0.648			.2	Directory of open access
275. Synthesis and spectral..... macrocyclic ligands,	Synth. React. Inorg. Met-org. Chem.	(1997)1083	1873 - 3557	Yes	-			.12	Google scholar
276. Synthesis and spectral studies..... macrocyclic ligands,	Synth. React. Inorg. Met-org. Chem.,	(1997)695	1873 - 3557	Yes	-			.67	Google scholar
277. Synthesis, magnetic..... antipyrine,	Synth. React. Inorg. Met-org. Chem.,	(1997)125	1873 - 3557	Yes	-			.67	Google scholar
278. Co(ii), ni(ii), cu(ii) of thiosemicarbazones,	Synth. React. Inorg. Met-org. Chem.,	(1996)125	1873 - 3557	Yes	-			.67	Google scholar
279. Synthesis, esr and electronic thiosemicarbazone,	Synth. React. Inorg. Met-org. Chem.,	(1995)537	1873 - 3557	Yes	-			.67	Google scholar
280. Cobalt(ii) complexes of some semicarbazones,	Synth. React. Inorg. Met-org. Chem.,	(1995)641	1873 - 3557	Yes	-			.67	Google scholar
281. Semicarbazone and of chromium(iii),	Trans. Met. Chem.,	(1993)342		Yes	1.402			.67	Springer link
282. Pd(ii), pt(ii), rh(iii),..... thiosemicarbazones,	Synth. React. Inorg. Met-org. Chem.,	(1992)1565	1873 - 3557	Yes	-			.4	Google scholar
283. Synthesis and characterization of semicarbazones,	Spectrochimica acta part a,	(1992)1133	1386 - 1425	Yes	2.353			.67	Elsevier Link

284. Synthesis and characterization ons donor ligands,	Synth. React. Inorg. Met-org. Chem.,	(1992) 929	1873 - 3557	Yes	-			.6	Google scholar
285. Synthesis and characterization thiosemicarbazones,	Synth. React. Inorg. Met-org. Chem.,	(1992) 1565	1873 - 3557	Yes	-			.67	Google scholar
286. Stereochemical studiesand thiosemicarbazones,	Synth. React. Inorg. Met-org. Chem.,	(1991) 653	1873 - 3557	Yes	-			.67	Google scholar
287. Synthesis and structural ligands,	Synth. React. Inorg. Met-org. Chem.,	(1991) 131	1873 - 3557	Yes	-			.67	Google scholar
288. Platinum group metal complexes of some semicarbazones,	Synth. React. Inorg. Met-org. Chem.,	(1990) 83	1873 - 3557	Yes	-			.67	Google scholar
289. Pd(ii), pt(ii), rh(iii) donor ligands,	Indian journal of chemistry,	(1988) 417	0975 - 0983	Yes	0.648			.67	Directory of open access
290. Synthesis and a flavanone of whyethiaglabra,	Indian journal of chemistry,	(1987) 797	0975 - 0983	Yes	0.648			.12	Directory of open access
291. Synthesis from lepidiumsativum and vitrexnegundo,	Indian journal of chemistry,	(1987) 82	0975 - 0983	Yes	0.648			.12	Directory of open access
292. Synthesis and characterization semicarbazones,	Synth. React. Inorg. Met-org., chem.,,	(1987) 811	1873 - 3557	Yes	-			.12	Google scholar
293. Co(ii), ni(ii), cu(ii), thiosemicarbazones,	Synth. React. Inorg. Met-org. Chem.,	(1987) 869	1873 - 3557	Yes	-			.67	Google scholar
294. Manganese(ii) complexes donor ligand,	Synth. React. Inorg. Met-org. Chem.,	(1987) 747	1873 - 3557	Yes	-			.67	Google scholar
295. Synthesis andgold complexes	Bio. Inorg. Chem.,	(1987) 47	0949 - 8257	Yes	-			.67	Scopus
296. Synthesis and characterization oxygen donor ligands,	Egyptian journal of chemistry,	(1986) 69	0449 - 2285	Yes	-			.3	Elsevier link
297. Synthesis and characterizationdonor ligands,	Synth. React. Inorg. Met-org., chem.,	(1986) 16	1873 - 3557	Yes	-			.32	Google scholar
298. Reactions of coordinated..... chelates of ni(ii),	Synth. React. Inorg. Met-org, chem.,	(1986) 1025	1873 - 3557	Yes	-			.67	Google scholar

299.	Stereochemical versatility..... donor ligands,	Synth. React. Inorg. Met-org. Chem.,	(1986) 749	1873 - 3557	Yes	-			.67	Google scholar
300.	Stereochemicals and n-s donor ligand,	Synth. React. Inorg. Met-org. Chem.,	(1986) 565	1873 - 3557	Yes	-			.67	Google scholar
301.	Bis(thiosemicarbazonato) cu(ii), pd(ii) and pt(ii),	Spectrochimica acta part a,	(1985) 1109	1386 - 1425	Yes	2.353			.67	Elsevier Link
302.	Reactions of coordinated..... chelates of ni(ii),	Polyhedron,	(1985) 663	0277 - 5387	Yes	2.011			.6	Elsevier Link
303.	Platinum metal complexes..... semicarbazone,	Synth. React. Inorg. Org. Chem.,	(1985) 471	1873 - 3557	Yes	-			.59	Google scholar
304.	Stereochemical versatility ketone semicarbazone,	Polyhedron,	(1985) 163	0277 - 5387	Yes	2.011			.67	Elsevier Link
305.	Anti-inflammatory complexes,	Indian J of pharmaceutical science,	(1984) 97	0250 - 474x	Yes	0.479			.59	Science citation index
306.	Copper(ii) ketone semicarbazone,	Transition metal chemistry,	(1984) 401		Yes	1.402			.12	Springer link
307.	Synthesis and characterization thiosemicarbazones,	Synth, react. Inorg. Met-org, chem.,	(1984) 969	1873 - 3557	Yes	-			.4	Google scholar
308.	Copper(ii) complexes biomimetic models,	Synth. React. Inorg. Met-org, chem.,	(1984) 957	1873 - 3557	Yes	-			.67	Google scholar
309.	Manganese(ii) and donor ligands,	Polyhedron,	(1984)991	0277 - 5387	Yes	2.011			.67	Elsevier Link
310.	Synthesis and characterization some semicarbazone	Acta. Chim. Sci., hungary ,	(1984) 9	1580 - 3155	Yes	-			.59	Scopus
311.	Cobalt(ii) and nickel(ii) sulphurdonor ligands,	Transition metal chemistry,	(1984) 1		Yes	1.402			.6	Springer link
312.	Synthesis and characterization semicarbazone,	Synth. React. Inorg.org, chem.,	(1984) 185	1873 - 3557	Yes	-			.4	Google scholar
313.	Characterization for the complexes monooxime,	Transition metal chemistry,	(1983) 341		Yes	1.402			.67	Springer link

314. Manganese(ii) complexes donor ligands,	Proc. Ind. Academy sci., banglore,	(1983) 249	0253 - 4142	Yes	-			.4	Google scholar
315. Stereochemical studies semicarbazones,	Synth. React. Inorg. Met-org, chem.,	(1983) 585	1873 - 3557	Yes	-			.5	Google scholar
316. Synthesis and characterization and copper(ii),	Synth. React. Inorg. Met-org, chem.,	(1983) 559	1873 - 3557	Yes	-			.67	Google scholar
317. Oxivanadium (iv) complexes thiosemicarbazone,	Acta. Chim. Hungary,	(1983) 253	1580 - 3155	Yes	-			.67	Scopus
318. Synthesis and characterization thiosemicarbazone,	Synth. React. Inorg. Met-org.chem.,	(1982) 89	1873 - 3557	Yes	-			.16	Google scholar
319. Synthesis and characterization ligands,	Transition metal chemistry,	(1983) 1		Yes	1.402			.67	Springer link
320. Complexes of some semicarbazones chromium(iii),	Acta. Chim. Hungary,	(1982) 155	1580 - 3155	Yes	-			.4	Scopus
321. Synthesis and characterizationsemicarbazone,	Synth. React. Inorg. Met-org. Chem.,	(1982) 923	1873 - 3557	Yes	-			.16	Google scholar
322. Synthesis and characterizationcarbazones,	Acta. Chim. Hungary,	(1982) 5	1580 - 3155	Yes	-			.67	Scopus
323. Synthesis and characterization thiosemicarbazones,	Synth. React. Inorg. Met-org. Chem.,	(1982) 647	1873 - 3557	Yes	-			.16	Google scholar
324. Oxovanadium (iv) thiosemicarbazone,	Synth. React. Inorg. Met-org. Chem.,	(1982) 415	1873 - 3557	Yes	-			.67	Google scholar
325. Stereochemical studiessome semicarbazones,	Acta. Chim. Hungary,	(1982) 165	1580 - 3155	Yes	-			.67	Scopus
326. S-acylation and s-arylation mercaptide group ii,	Synth. React. Inorg. Met-org. Chem.,	(1982) 229	1873 - 3557	Yes	-			.16	Google scholar
327. Synthesis and characterization..... thiosemicarbazones,	Synth. React. Inorg. Met-org. Chem.,	(1982) 123	1873 - 3557	Yes	-			.67	Google scholar
328. Chromium(iii) complexes of donor ligands”	Gazzettachemi ca. Italiana	(1981) 419	0016 - 5603	Yes	-			.67	Scopus

329. Study of iron(ii) complexes group,	Acta. Chimica hungry,	(1981) 325	1580 - 3155	Yes	-			.1	Scopus
330. Magnetic, spectral..... thiosemicarbazone,	J of indian chemical society,	(1981) 1097	0019 - 4522	Yes				.6	Chemical Abstract Service
331. Oxovanadium (iv) complexes and thiosemirbazone,	Transition metal chemistry	(1981) 110		Yes	1.402			.3	Springer link
332. S-alkylation reactions coordinated mercaptide group,	Synth. React. Inorg. Met-org. Chem.	(1981) 53	1873 - 3557	Yes	-			.4	Google scholar
333. Stereochemical versatility thiosemicarbazone,	Transition metal chemistry			Yes	1.402			.67	Springer link
334. Some..... and cyclohexanone thiosemicarbazone,	J of inorganic nuclear chemistry,	(1980) 1075	1955 - 1994	Yes				.4	Elsevier link
335. Mossbauer studies semicarbazone	Transition metal chemistry	(1980) 80		Yes	1.402			.12	Springer link
336. Mn(II)..... and cyclohexanone thiosemicarbazone	Gazz Chem Ital	110, 207, 1980							
337. Magnetic..... nickel(ii) and zinc(ii)	Indian journal of chemistry	(1979) 476	0975 - 0983	Yes	0.648			.4	Directory of open access
338. Further example of unusually iron(iii) complexes	Chemistry of physics and letter	(1979) 109	0009 - 2614	Yes	1.897			.12	Elsevier link
339. S-acylation and s-aroylation reactions group	National academic science letters	(1978) 289	0250 - 541x	Yes	0.292			3.3 5	Springer link
340. Magnetic and spectral semicarbazone	Journal of inorganic and nuclear	(1977) 2079	1955 - 1994	Yes	-			.16	Elsevier link

Books Written

Book Title	ISBN No.	Name of Publisher	Sole Author / Co Author
1.Comprehensive for BSc Part I	978-93-82281-06-0	New Age Publications	Sole Author
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Book Title	ISBN No.	Name Of Publisher	
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3. Textbook for Class XII ,Chemistry(Part- 3)		NIOS, Delhi	Member Development Team
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5. Development of worksheets in chemistry on practical course of senior secondary stage		NCERT, Delhi	Member Development Team

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4. Development of textbook in science at upper primary stage (class VIII)		NCERT, Delhi	Member Editing Team
5. Development of hindi textbook in science at upper primary stage (class VI)		NCERT, Delhi	Member Editing Team

Dr. Rizwan Ahmad

Publications in journals

H-index of the author	11								
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Viscosities of Dioxane Butylammonium Iodide	Ind. J. Chem. A	1979, 17, 285- 287	0376- 4710	Yes	0.851	---	---	---	Web of Science
2. Electrical..... Halides in Dioxane- Water Mixture at 25°C	Ind. J. Chem. A	1981, 20, 656- 660	0376- 4710	Yes	0.851	---	---	---	Web of Science
3. Applicability of Fuoss Tert-Butanol- Water- Mixtures	Ind. J. Chem. A	1981, 20, 954- 957	0376- 4710	Yes	0.851	---	---	---	Web of Science
4. Mechanism of reduction of RSS.bul. radicals	Radical. J. Phys. Chem.	1982, 86, 4417- 4422	---	Yes	-----	25	----	----	Chemical Abstracts Service
5. Reduction, Oxidation and Free Radicals and Flavins.	Biochem istry	1982, 21, 5445- 5450	1520- 4995	Yes	3.015	14	----	---	Chemical Abstracts Service
6. Reaction of Lumiflavin and CO ₂ and Alcohol Radicals.	Biochem istry	1983, 22, 5445- 5450	1806- 1810	Yes	3.015	11	----	---	Chemical Abstracts Service
7. Formation of Lipoamide Radicals at pH 6 to 9	Rad. Phys. Chem	1984, 22, 251- 257	0969- 806X	Yes	1.380	19	----	---	Scopus
8. The Effect of pH and Complexation Radicals and Flavins	Can. J. Chem.	1984, 62, 171- 177	1480- 3291	Yes	1.061	39	----	---	Scopus
9. Formation and Spectra of Flavin Radicals in	Can. J. Chem.	1984, 62, 580- 585	1480- 3291	Yes	1.061	10	----	---	Scopus
10. Reduction of by the anions of CO ₂ and lipoamide	Int. J. Rad. Relat. Stud. Phys. Chem. Med.	1984, 45, 607- 614.	0020- 7616	Yes	1.687	2	----	---	Cogent OA
11. A possible origin of Difference Estimates of protein	Biochem . J.	2000, 345, 711-717	0264- 6021	Yes	4.396	59	1.22 6	2.28 8	Chemical Abstracts Service
12. Volumetric, Ultrasonic and Viscometric different Temperatures.	Phys. Chem. of liq.	2005, 43, 205- 224	1029- 0451	Yes	0.783	51	0.73 2	0.42 3	Cogent OA
13. Volumetric, ultrasonic, viscometric and theoretical study	J. Mol. Liq.	2006, 128, 32- 41	0167- 7322	Yes	2.515	52	0.82 7	0.50 5	Scopus

14. Densities and Refractive Different Temperatures	Int. J. Thermop hys.	2006, 27, 1482-1493	1572-9567	Yes	0.963	12	1.016	0.691	SpringerLink
15. Volumetric and ultrasonic studies different temperatures	Bull. Chem. Soc. Jpn	2006, 79, 702-710	1348-0634	Yes	2.21	29	0.783	0.639	----
16. Viscosities and Refractive Indices Theoretical Study	J. Chinese Chem. Society	2006, 53, 531-543	2192-6549	Yes	0.856	42	0.426	0.240	Cochrane Library

Books written/edited

Book Title	ISBN No.	Name of Publisher	Sole Author / Co Author
Simplified Physical Chemistry	8189855069	Book Age Publisher	Sole
Chemistry laboratory manual for senior secondary course		National Institute of Open Schooling	Sole
Simplified Physical Chemistry (Chemical Thermodynamics and Chemical Equilibria) Vol-II		Book Age Publisher	Sole

Chapters Published In Books:

Book Title	Chapter Title	Names of Authors	Year and Page No.s	Name of Publisher
In Flavins and Flavoproteins	Oxidation-Reduction Potentials of Flavin Compound by Radiation Techniques.	Elliot, A.J., Ahmad, R., McIntosh, L., Burke, D., Stevenson, K.J. and Armstrong, D.A.	1982, 533-536	Elsevier North Holland, Inc.

Dr. SUNITA GUPTA

Publications in journals

H-index of the author	2								
Title	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International
1. Volumetric properties of molten hydrated salts.	<i>J. Chem. Eng. Data</i>	1981, 26, 187-191	1520-5134	Yes	2.037	2	----	----	Chemical Abstracts Service
2. Copper (II) complexes with twelve to fourteen ligand	<i>J. Indian Chem. Society</i>	2005, 82, 1087-1090	0019-4522	Yes	0.173	8	0.544	0.22	----

Dr.K.K.Arora*Publications in Journals*

H-index of the author	6								
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Nuclear isoprenylation of with isoprene	Tetrahedron	1981, 37, 1437-1439	0040-4020	Yes	2.641	42	----	----	Scopus
2. Selective Claisen migration and visnagin	Gazz. Chim. Ital.	1981, 111, 103-107	0016-5603	Yes	---	3	----	----	---
3. An Elegant Synthesis of 2,2-Dimethylchromans	Syntheses	1981, 7, 526-527	0039-7881	Yes	2.689	7	----	----	----
4. Acid-Catalysed Condensation and 8-Formylchromans	Syntheses	1981, 7, 527-529	0039-7881	Yes	2.689	0	----	----	----
5. A Convenient Synthesis of Acetylchromans	Heterocycles	1981, 16, 2155-2157	0385-5414	Yes	1.079	---	----	----	----
6. Acid-catalysed condensation dimethylchromans	J. Chem. Soc., Perkin Trans. 1	1982, 335-338	0956-5000	Yes	----	21	----	----	Analytical Abstracts
7. A convenient synthesis of formylchromans	Indian J. Chem. B	1982, 21B, 629-631	0975-0983	Yes	0.387	---	---	----	Web of Science
8. A New Synthesis of some Naturally Acetylchromenes	Indian J. Chem. B	1982, 21, 1039-1040	0975-0983	Yes	0.387	---	---	----	Web of Science
9. Acid catalysed condensation of frankinone	Acta chimica Hung.	1983, 114, 117-119	0231-3146	Yes	----	1	---	---	Web of Science
10. Nuclear isoprenylation of Aminophenols.... benzopyrans	Indian J. Chem. B	1984, 23B, 129-131	0975-0983	Yes	0.387	1	---	----	Web of Science
11. An Elegant Synthesis of 2,2Dimethyl2H,5H-pyrano.....ones	Heterocycles	1984, 22, 223-227	0385-5414	Yes	1.079	6	----	----	----
12. Acid-Catalysed Condensation of Formylchromans	Syntheses	1984, 4, 346-348	0039-7881	Yes	2.689	3	----	----	----
13. A New Synthesis of 3,4-Dioxygenated Pyranocoumarins	Indian J. Chem. B	1984, 23, 1126-1127	0975-0983	Yes	0.387	2	---	----	Web of Science

14. Condensation of 4-hydroxycoumarins with 2-methylbut-3-en-2-ol	Indian J. Chem. B	1984, 23, 1291-1292	0975-0983	Yes	0.387	1	---	----	Web of Science
15. Cinnmylation of 4-hydroxycoumarins with cinnamyl alcohol	Indian J. Chem. B	1985, 23B, 298-299	0975-0983	Yes	0.387	0	---	----	Web of Science
16. Dihydrochalocones as Synthons arylmethylthiazoles	Heterocycles	1985, 23, 2583-2588	0385-5414	Yes	1.079	3	----	----	-----
17. Synthesis of Some 2-Amino & 2-Mercapto-4-..... Agents	Indian J. Chem. B	1986, 25B, 556-558	0975-0983	Yes	0.387	----	---	----	Web of Science
18. Synthesis of Thiazolyldithiocarbamates Agents	Synth. React. Inorg. Met. Org. Chem.	1986, 16, 127-136	1553-3182	Yes	0.533	7	---	---	Cogent OA
19. The Rearrangement of Benzopyran-5-Ones With DDQ	Synth. Comm.	1986, 16, 1671-1677	1532-2432	Yes	0.929	0	----	---	Cogent OA
20. An Unusual Observation in the Synthesis of Thiozoles	Synth. Comm.	1987, 17, 333-340	1532-2432	Yes	0.929	16	----	---	Cogent OA
21. Reaction of Mercaptothiazoles Unusual Reaction	Synth. Comm.	1987, 17, 1441-1448	1532-2432	Yes	0.929	3	----	---	Cogent OA
22. Synthesis of Some Arythiazolyl Mercury Agents	Synth. React. Inorg. Met. Org. Chem.	1987, 17, 607-616	1553-3182	Yes	0.533	3	---	---	Cogent OA
23. Synthesis of some and Their Derivatives	Indian J. Chem. B	1988, 27B, 183-184	0975-0983	Yes	0.387	1	---	----	Web of Science
24. Synthesis and Evaluation of their derivatives	Indian J. Pharm. Sci.	1988, 48, 95-98	1998-3743	Yes	0.479	0	---	----	PubMed
25. A Convenient One Step Synthesis Pyrimidines	Synth. Comm.	1990, 20, 1063-1071	1532-2432	Yes	0.929	2	----	---	Cogent OA
26. Synthesis of 1,3-Diaryl-..... pyrimidine-4,6-diones	Indian J. Chem. B	1991, 30, 1062-1064	0975-0983	Yes	0.387	1	---	----	Web of Science
27. An Efficient and Simple One-Pot benzopyrans	Indian J. Chem. B	1991, 30, 1095-1097	0975-0983	Yes	0.387	10	---	----	Web of Science

Books Written

Book Title	ISBN No.	Name of Publisher	Sole Author / Co Author
1. Chemistry for Class XI	0333-92904-7	Macmillan India Limited	Co- author
2. Chemistry for Class XII	0333-92639-0	Macmillan India Limited	Co- author
3. Chemistry Simplified for CBSE Class XII	81-7383-098-3	Frank Sons	Co- author
4. The Pearson Complete Guide for AIEEE	81-317-0026-7	Dorling Kindersley (Pearson) Education	Co-author
5. A Complete Crash Course in AIEEE	978-81-317-7243-0	Dorling Kindersley (Pearson) Education	Co- author
6. The Pearson Guide to the Medical Entrance Examinations	978-81-317-2778-2	Dorling Kindersley (Pearson))	Co- author
7. Chemistry for the JEE (Mains)	978-93-325-2271-8	Dorling Kindersley (Pearson) Education	Sole Author
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9. Saraswati Chemistry, A Text Book for class XII	978-81-7335-829-6	Saraswati House Pvt. Ltd.	Co- author
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3. Exemplar Problems (Chemistry) Class XI	978-93-5007-035-2	NCERT, Delhi	Member Editing Team
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Dr.Sangeeta Pandita*Publications in Journals*

H-index of the author	2								
Title	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Dye sensitized Photo.....of Eugenol	Ind. J. Chem. Section B	1982, 21, 1048	0975 - 0983	Yes	0.387	0	---	----	Web of Science
2. Photo..... Studies on 2-Oxazolin-5-ones	Current Science	1983, 52, 803-804	0011 - 3891	Yes	0.961	0	---	---	----
3. A Convenient.....Microscale Benzoylations	J. Chem. Edu.	1997, 74, 1335	1938 - 1328	Yes	1.106	2	---	---	Chemical Abstracts Service
4. An Efficient..... Synthesis of Aspirin	J. Chem. Edu.	1998, 75, 770	1938 - 1328	Yes	1.106	13	---	---	Chemical Abstracts Service
5. Qualitative Organic Analysis Lab	Resonance	1998, 3, 69	0973 - 712X	Yes	----	0	---	----	SCOPUS
6. An Efficient....Synthesis of Semicarbazones	J. Chem. Edu.	2004, 81, 108	1938 - 1328	Yes	1.106	0	0.951	0.263	SCOPUS
7. A Convenient Microscale..... acetates	Chem. Edu.	2007, 12, 402	1430 - 4171	Yes	0	0	----	----	EVISA
8. A Simple Test to Distinguish.....Fructose	Resonance	2007, 12, 92-94	0973 - 712X	Yes	0	0	---	----	SpringerLink
9. Distinguishing and Disaccharides	Resonance	2010, 15, 1122-1126	0973 - 712X	Yes	0	0	---	----	SpringerLink
10. A Safe Procedure for Bromination of Acetanilide	Resonance	2013, 18, 282-284	0973 - 712X	Yes	0	0	---	----	SpringerLink
11. Microwave assisted synthesis conditions	Tetrahedron Lett.	2014, 55, 1320-1322	0040 - 4039	Yes	2.379	2	0.776	0.72	Scopus
12. BODMEL: A Compact..... Determination	J. Lab. Chem. Edu.	2014, 2, 50-52	2331 - 7469	Yes	0	0	---	----	----
13. Use of weeds and paper making	DU Journal of Undergraduate	2015, 1, 169-179	2348 - 4357	Yes	0	0	---	--	DU

14. Qualitative Carbohydrate Ferricyanide	Resonance	2016, 21, 285-288	0973 - 712X	Yes	0	0	---	----	SpringerLink
15. Carbohydrate Analysis Using Ferricyanide	Resonance	2016, 21, 285-288	0973 - 712X	Yes	0	0	---	----	SpringerLink

Dr. Nadira ArifPublications in Journals

H-index of the author	5									
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed	
1. Extractive of ion-association complex	J. Inst. Chem. (Print)	1984, 56, 9	0020 - 3254	---	---	---	----	----	----	
2. Syntheses and thiosemicarbazone	Synth. React. Inorg. Met-Org. Chem.	1985, 15, 335-352	1553 - 3182	Yes	0.533	17	----	----	Cogent OA	
3. Detection and determination of cyanide- a review	Int. J. Environ. Anal. Chem.	1986, 26, 115-136	1029 - 0397	Yes	1.295	20	----	----	Cogent OA	
4. Synthesis of metal plasmodium falciparum	Inorg. Chim. Acta	1987, 135, 133-137	0020 - 1693	Yes	2.046	51	----	----	Scopus	
5. Coordination Complexes of Primaquine	Synth. React. Inorg. Met-Org. Chem.	1987, 17, 129-141	1553 - 3182	Yes	0.533	4	----	----	Cogent OA	
6. In vitro evaluation of bacteriostatic primaquine	Inorg. Chim. Acta	1988, 151, 287-289	0020 - 1693	Yes	2.046	15	----	----	Scopus	
7. Coordination An Antimalarial Drug	Synth. React. Inorg. Met-Org. Chem.	1988, 18, 473-485	1553 - 3182	Yes	0.533	15	----	----	Cogent OA	
8. Spectrophotometric Microcrystalline Naphthalene	Asian J. Chem.	1991, 3, 248-251	0970 - 7077	Yes	0.23	0	----	----	Scopus	
9. Spectrophotometric and thiocyanate in aqueous methanol	Polyhedron	2003, 22, 3439-	0277 - 5387	Yes	2.011	0	0.947	0.611	Scopus	
10. An Efficient Procedure Synthesis of Semicarbazones	J. Chem. Educ.	2004, 81, 108	1938 - 1328	Yes	1.106	0	0.951	0.263	Chemical Abstracts Service	

11. A simple test to distinguish between D-glucose and D-fructose	Resonance	2007, 12, 92-94	0973 - 712X	Yes	0	0	0	0	SpringerLink
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Dr. Samta GoyalPublications in Journals

H-index of the author	4								
Title	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Approaches towards synthesis of Skeleton	Ind. J. Chem. B	1992, 31, 391	0975 - 0983	Yes	0.387	11	---	----	Web of Science
2. Synthetic approach to Eusiderin type Neolignans	Ind. J. Chem. B	1993, 32B, 435.	0975 - 0983	Yes	0.387	5	---	----	Web of Science
3. Synthetic approach to Eusiderin type Neolignans-part-2	Ind. J. Chem. B	1995, 34B, 87	0975 - 0983	Yes	0.387	4	---	----	Web of Science
4. Synthesis of some substituted and its Analogues	Ind. J. Chem. B	1996, 35B, 904.	0975 - 0983	Yes	0.387	2	---	----	Web of Science
5. A Convenient Procedure for Micro scale Benzoylations	J. Chem. Educ.	1997, 74, 1335	1938 - 1328	Yes	1.106	2	0.951	0.263	Chemical Abstracts Service
6. An Efficient Microscale..... Synthesis of Aspirin	J. Chem. Educ.	1998, 75, 6770	1938 - 1328	Yes	1.106	13	0.951	0.263	Chemical Abstracts Service
7. An Efficient Procedure for of Semicarbazones	J. Chem. Educ.	2004, 81, 108	1938 - 1328	Yes	1.106	0	0.951	0.263	Chemical Abstracts Service
8. A Simple Test to Distinguish between	Resonance	2007, 12, 92-94	0973 - 712X	Yes	0	0	---	----	SpringerLink
9. A Convenient Microscale Synthesis	Chem. Edu.	2007, 12, 402	1430 - 4171	YES	0	0	----	----	EVISA

Dr. Usha BansalPublications in Journals

H-index of the author	6
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TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Synthesis and structural ligands.	Syn. React. Inorg. Met-org. Chem.	1991, 21, 131-142	1553 - 3182	Yes	0.533	9	----	----	Cogent OA
2. Stereo chemical studiesand thiosemicarbazone.	Synth. React. Inorg. Met-Org. Chem.	1991, 21, 653-667	1553-3182	Yes	0.533	3	----	----	Cogent OA
3. Synthesis and characterizationthiosemicarbazone	Synth. React. Inorg. Met-Org. Chem.	1992, 22, 929-940	1553-3182	Yes	0.533	3	----	----	Cogent OA
4. Synthesis and characterization of ligands.	Synth. React. Inorg. Met-Org. Chem.	1992, 27, 971-981	1553-3182	Yes	0.533	3	----	----	Cogent OA
5. Synthesis and characterization of... .. semicarbazones.	Spectrochimica Acta Part A	1992, 48A, 1133-1137	1386-1425	Yes	2.353	3	----	----	Scopus
6. Pd(II), Pt(II), Rh(III), Ir(III) thiosemicarbazones	Synth. React. Inorg. Met-Org. Chem.	1992, 22, 1565-1579	1553-3182	Yes	0.533	13	----	----	Cogent OA
7. Semicarbazone and thiosemicarbazone chromium (III)	Trans. Met. Chem.	1993, 18, 342-344	1572-901X	Yes	1.306	18	----	----	SpringerLink
8. Cobalt(II) complexes of some semicarbazones	Synth. React. Inorg. Met-Org. Chem.	1993, 23, 641-684	1553-3182	Yes	0.533	23	----	----	Cogent OA
9. Synthesis and EPR spectral studies on oximes.	J. Indian Chem. Soc.	2002, 79, 129-131	0019-4522	Yes	0.173	3	1.005	0.325	----
10. Spectroscopic approach in the	Spectrochimica Acta Part A	2006, 65, 463-466	1386-1425	Yes	2.353	15	0.846	0.527	Scopus
11. Synthesis and spectroscopic activity	Trans. Met. Chem.	2007, 32, 1079-1084	0340-4285	Yes	1.465	35	0.83	0.34	SpringerLink

Dr. Sarita Passey*Publications in Journals*

H-index of the author	1								
Title	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed

1. Preparation and some reactions ofcompounds	Ind. J. Chem. B	1998, 37B, 23-27	0975-0983	Yes	0.387	0	---	----	Web of Science
2. Some aspects of the chemistry of Lac-Resin	J. Indian Chem. Soc.	1998, 75, 575-579	0019-4522	Yes	0.173	2	----	----	----
3. An efficient procedure for Semicarbazones	J. Chem. Educ.	2004, 81, 108	1938-1328	Yes	1.106	0	0.951	0.263	Chemical Abstracts Service
4. A Convenient Microscale Penta acetates	Chem. Edu.	2007, 12, 402	1430-4171	Yes	0	0	----	----	EVISA
5. A Simple Test to DistinguishFructose	Resonance	2007, 12, 92-94	0973-712X	Yes	0	0	---	----	SpringerLink
6. Distinguishing Between..... Disaccharides	Resonance	2007, 12, 92-94	0973-712X	Yes	0	0	---	----	SpringerLink
7. A Safe Procedure for Bromination of Acetanilide	Resonance	2013, 18, 282-284	0973-712X	Yes	0	0	---	----	SpringerLink
8. BODMEL: A compact apparatusdetermination	J. Lab. Chem. Edu.	2014, 2, 50-52	2331-7469	Yes	0	0	---	----	----
9. Use of weeds and agro-based raw making	DU e-Journal	2015, 1, 169-179	2395-2334	Yes	0	0	0	0	-----

Chapters Published In Books:

Book Title	Names of Author	Name of Publisher
Chemistry for CBSEi for Class XII	Sarita Passey	CBSE

Dr.Mohsineen WazirPublications in Journals

H-index of the author	2								
Title	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Designing model protein chains..... algorithm	Indian J Chem Sec A	2009, 48A, 1477-1483	0975-0975	Yes	0.851	2	0.438	0.239	Web of Science
2. Designing of type-I polymeric study	Indian J Chem Sec A	2009, 48A, 1652-1656	0975-0975	Yes	0.851	8	0.438	0.239	Web of Science

3. Effect of basis set, electron correlationalgorithm	Comp. Theor. Chem.	2011, 963, 85-91	2210-271X	Yes	1.545	2	0.760	0.509	Scopus
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Chapters Published in Books

Book Title	Chapter Title	Year and Page No.s	Name of Publisher (International/ National)	ISBN No.
Biopolymers: Biomedical and Environmental Applications	Electronic Structures and Conduction Properties of Biopolymers	2011, 437-458	Scrivener Publishing LLC.	978-0-470-63923-8

Dr.Sanjeev Kumar MishraPublications in Journals

H-index of the author	0								
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
Density functional study of 1,3-hydrogen shifts in 2,4-pyronone	Indian J Chem Sec A	2006, 45A, 887-890	0975-0975	Yes	0.851	0	0.584	0.303	Web of Science

Dr.Jyoti SinghPublications in Journals

H-index of the author	4								
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Synthesis..... contrast magnetic behaviour	Polyhedron	2007, 3893-3903	0277-5387	Yes	1.946	24	0.766	0.509	Scopus
2. Studies on Nickel(II)..... Oxidation Chemistry	Eur. J. Inorg. chem.	2008, 2052-2063	1099-0682	Yes	3.12	19	0.756	0.935	Cochrane Library
3. Mononuclear and Dinuclear Ni ^{II} and Unit Cell	Eur. J. Inorg. chem.	2009, 3259-3265	1099-0682	Yes	3.12	12	0.756	0.935	Cochrane Library
4. Unsymmetrical ... phosphohydrolases	Dal.Trans.	2010, 8183-8183	1477-9234	Yes	3.806	26	1.071	1.283	Analytical Abstracts

5. Nickel and Copper Complexes of Ni ³⁺ Complexes.	Eur. J. Inorg. chem..	2014, 4957-4965	1099 - 0682	Yes	3.12	2	0.756	0.935	Cochrane Library
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Dr. Prerna SinghPublications in Journals

H-index of the author		4							
Title	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Polymeric membrane..... wine samples	J. Incl. Phenom. Macrocy. Chem.	2009, 63, 87-95	1388 - 3127	Yes	1.488	2	0.677	0.425	SpringerLink
2. Development of electrochemical sensors	Analytica Chimica Acta	2009, 633, 109-118	0003 - 2670	Yes	4.667	13	1.455	1.426	Scopus
3. Nano-level monitoring of macrocyclic ligand	Analytica Chimica Acta	2009, 643, 74-82	0003 - 2670	Yes	4.667	0	1.455	1.426	Scopus
4. Determination of cobalt ions at nano-..... electrode	Talanta	2009, 80, 685-693	0039 - 9140	Yes	3.670	15	1.263	1.113	Scopus
5. Determination of cerium ionmacrocycle	Analytica Chimica Acta	2010, 675, 170-180	0003 - 2670	Yes	4.667	0	1.455	1.426	Scopus
6. Electrochemical sensors for theligand	Electrochimica Acta	2011, 56, 5386-5395	0013 - 4686	Yes	4.578	18	1.450	1.288	Scopus
7. Determination of thiocyanate ions at complex	Analytical and Bioanalytical Chemistry	2011, 400, 2261-2269	1618 - 2642	Yes	3.436	5	1.172	1.027	SpringerLink
8. Electrochemical determination of ligands	Sensors and Actuators B	2014, 199, 201-209	0925 4005	Yes	4.097	0	1.665	1.155	Scopus

Dr. Jyoti TyagiPublications in Journals

H-index of the author		1							
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed

Surface affinity of graphene for health... applications	Adv. Mater. Lett.	2013, 4, 721-736	0976 - 3961	Yes	1.90	9	1.024	0.571	----
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Dr. Ritu Mathur*Publications in Journals*

H-index of the author		2							
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Synthesis and characterization heterocycles	Phosphorus, sulfur and silicon	2007, 182, 1403-1412	1042-6507	Yes	0.561	2	0.756	0.380	Cogent OA
2. Synthesis and characterization ligand	Phosphorus, sulfur, and silicon	2006, 181, 1001-1010.	1042-6507	Yes	0.561	2	0.756	0.380	Cogent OA
3. Synthetic and antifungal studies of some novel.....	J. Indian Chem. Soc.	2004, 81, 338-341.	0019-4522	Yes	0.173	13	----	----	----
4. Synthesis and insecticidal activity of novel	Indian J. Applied Entomolog	2010, 24, 101-104	0970-9509		----	----	----	----	----
5. The Phytochemistry of "Kushthanashini	ISST J. Applied Chem.	2011, 101-104	976-7355		----	----	----	----	----
6. Rotational Energy Surfaces of 3-Alkyl.....	International J. Scientific	2014, 5	1151 - 1155		----	----	----	----	----

Dr. Shahzad Ahmad*Publications in Journals*

H-index of the author		5							
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Application of KZnF ₃ as a Single Properties	J. Phys. Chem. C	2011, 115, 10131-10139	1932-7455	Yes	4.772	12	1.461	1.963	Chemical Abstracts Service
2. Synthesis and optical..... nanophosphors	Chem. Phys. Lett.	2011, 508, 117-120	0009-2614	Yes	1.897	36	1.012	0.988	Scopus

3.	Anion doped binary oxides..... and future prospects	Indian J Chem Sec A	2012, 51A, 145-154	0975-0975	Yes	0.851	2	0.501	0.274	Web of Science
4.	Hexagonally ordered KLaF ₄ studies	Inorg. Chem.	2012, 51, 12748-12754	0020-1669	Yes	4.762	13	1.352	1.759	Chemical Abstracts Service
5.	Optical properties of Tb ³⁺ symmetries	Opt. Mater.	2013, 36, 396-401	0925-3467	Yes	1.981	7	1.287	0.712	Scopus
6.	Anion (fluoride) doped ceria benzylamines	Inorg. Chem.	2014, 53, 2030-2039	0020-1669	Yes	4.762	14	1.290	1.681	Chemical Abstracts Service
7.	Novel Fluorite Structured.....Host	Inorg. Chem.	2014, 53, 10257-10265	0020-1669	Yes	4.762	3	1.290	1.681	Chemical Abstracts Service
8.	Facile green synthesis precursor KZnF ₃	Mater. Lett.	2015, 139, 86-88	0167-577X	Yes	2.489	1	---	---	Scopus
9.	Topochemical Oxidation Oxyfluoride	Inorg. Chem.	2015, 54, 10105-10107	0020-1669	Yes	4.762	0	---	----	Chemical Abstracts Service

EVALUATIVE REPORT OF THE DEPARTMENT OF COMMERCE

1. Name of the Department: COMMERCE

2. Year of Establishment: 1948

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

- i. B.Com.(H)
- ii. B.Com. (Program)
- iii. M.Com.

4. Names of Interdisciplinary courses and the departments/units involved

Interdisciplinary papers like English, Hindi, Political Science, Urdu, Philosophy and Bengali are taught by respective departments.

5. Annual/ semester/choice based credit system (programme wise)

Name of Course	System of Syllabus
B. Com. (H) 1 st Year	Choice Based Credit System
B. Com. (H) 2 nd & 3 rd Year	Semester System
B. Com. (Program) 1 st Year	Choice Based Credit System
B. Com. (Program) 2 nd Year	Semester System

6. Participation of the department in the courses offered by other departments

The department offers courses to B.A. (Program). Generic papers also offered to other departments under the Choice Based Credit Scheme.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	06	06
Assistant Professors	15	10 (Permanent) ; 05 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	Ph.D. Students guided for the last 4 years
Dr. R. Prabhakar Rao	M.Com., M.Phil, Ph.D	Associate Professor	Organisational Behaviour	39	1
Mr. Ashok Sharma	M.Com, FCA, ACS	Associate Professor	Income Tax	33	
Dr. Ruma Debnath	M.A., Ph.D	Associate Professor	Economics	34	
Mr. Bharat Bhushan	M.Com, M.Phil	Associate Professor	Management	35	
Dr. Masroor Ahmad Beg	M.Com., MBA, M.Phil, Ph.D	Associate Professor	Economics	30	
Mr. Mukesh Kumar Jain	M.Com, M.Phil, ACMA, MBA,	Associate Professor	Finance & Accounting	19	
Dr Shivani Abrol	M.Com., M.Phil, Ph.D	Assistant Professor	Accounting	14	
Dr. Shruti Gupta	M.Com, M.Phil, Ph.D	Assistant Professor	Finance and Accounting	13	
Dr. Mohd. Rizwan Ahmad	M.Com, Ph.D	Assistant Professor	Financial Accounting	12	
Dr. Mahmood Alam	M.Com, MPhil, Ph.D, PGDMM	Assistant Professor	International Marketing	15	
Dr. Reeta	M.Com, B.Ed, M.Phil, Ph.D	Assistant Professor	Accounting and Finance	13	
Mr. Bharat Bhatt	M.Com. MA(Eco)	Assistant Professor	Marketing and Economics	9	
Dr. Nidhi Dhawan	M.Com, M.Phil, Ph.D	Assistant Professor	Human Resource	11	
Dr. Bhupender	M.Com., Ph.D	Assistant Professor	Finance & Law	9	
Dr. Abdul Wahid Farooqi	M.Com, Ph.D, B.Ed	Assistant Professor	Business Law and Financial Accounting	10	
Dr. Swati Aggarwal	M.Com, MPhil, Ph.D	Assistant Professor	Marketing	14	
Ms.Sufiya	M.Com, B.Ed	Assistant Professor	Finance & Tax	5	
Ms.Shoeba (Ad-hoc)	M.Com, B.Ed	Assistant Professor	Finance & Tax	5	
Mr.Arif Hussain Haidary (Ad-hoc)	MBA, MPhil	Assistant Professor	Marketing, International	2	
Mr.Avneesh (Ad-hoc)	M.Com, MPhil	Assistant Professor	Finance, Computer	4	
Ms.Swati Khanna (Ad-hoc)	M.Com, MPhil	Assistant Professor	HRM & Law	2	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Programme	1st Year	2nd Year	3rd Year
B.Com.(P)	0%	33.3 %	---
B.Com.(H)	20%	26.7%	25%

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 15 Students/Teacher (15:1)
- B.Sc. (Prog): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL**15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Qualification	Number of Teaching Faculty
Ph.D	4
Ph.D and MPhil	8
M.Phil	5
MCom , CA, CS	1
MCom	3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Dr M A Beg – Major Research Project on “Islamic Banking”, Rs 8,90,000 funded by UGC.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

S. No	Name of Project	Name of coordinator	Amount Received/lacs	Funding Agency
1	Prepared the Urban Ministry Guidelines on unnecessary concretization of green area.	Dr. R. Prabhakar Rao		
2	Project on urban green issues	Dr. R. Prabhakar Rao		AID Chapter, San Diego 2
3	Project to study crop loss due to human wild life conflict in Tehri Garhwal	Dr. R. Prabhakar Rao		Indian Institute of Science, Bangalore
4	Project on urban green issues	Dr. R. Prabhakar Rao		AID chapter, San Diego 1

5	Sustainable Management of Protected Areas In the Andaman and Nicobar Islands' in collaboration with the Andaman and Nicobar Islands Environmental Team, Fauna and Flora International, supported by UK Government's Darwin Initiative for the Survival of Species.	Dr. R. Prabhakar Rao		Fauna & Flora International
6	Study of human wildlife conflict in selected National Parks and Sanctuaries in India	Dr. R. Prabhakar Rao		Ministry of Environment and Forests, Govt. of India
7	Environmental and Social Impacts of Large Dams in India' in Large Dams in India—Environmental, Social & Economic Impacts Ed by Shekhar Singh & Pranab Banerji, Indian Institute of Public Administration, New Delhi.	Dr. R. Prabhakar Rao		Indian Institute of Public Administration, Delhi
8	Survey of National Parks and Sanctuaries in India commissioned by the Ministry Of Environment and Forests, as part of a World Bank project (Forestry Research, Extension, and Education Project),	Dr. R. Prabhakar Rao		Ministry of Environment and Forests
9	Natural Resource Accounting of Yamuna River Basin commissioned by the Ministry of Environment and Forests	Dr. R. Prabhakar Rao		Indian Institute of Public Administration, Delhi
10	Prepared profiles of four protected areas of Kerala under sponsorship from WWF-India, New Delhi	Dr. R. Prabhakar Rao		World Wide Fund for Nature- India
11	Peoples Plan for Biodiversity Conservation in the Garhwal Himalayas' under The Biodiversity Prioritization Project funded by Biodiversity Support Program Washington	Dr. R. Prabhakar Rao		World Wide Fund for Nature- India
12	Prepared an information booklet for training elected representatives to Panchayat Raj Institutions and Urban Bodies on 'Environment:Forests Agriculture, Biodiversity'	Dr. R. Prabhakar Rao		MS Swaminathan Research Foundation, Chennai
13	Empowerment of grassroot democratic institutions in micro-planning: Preparation of socio-demographic charters' supported by the John D and Catherine T.Mac Arthur Foundation.	Dr. R. Prabhakar Rao		MS Swaminathan Research Foundation, Chennai
14	Drafting of Delhi Preservation of Trees Act, 1996	Dr. R. Prabhakar Rao		
15	Islamic Banking	Dr. M A Beg	Rs. 8,90,000	UGC

18. Research Centre /facility recognized by the University: Yes

19. PUBLICATIONS: (See Annexure-I)

Name	Publications	H-Index	Books Written	Chapters Written	Books/Chapters Edited
Dr. R. Prabhakar Rao	4		2		
Mr. Ashok Sharma			2		
Dr. Ruma Debnath			1		
Mr. Bharat Bhushan					
Dr. Masroor Ahmad Beg					
Mr. Mukesh Kumar Jain					
Dr Shivani Abrol	2			2	
Dr. Shruti Gupta	4				
Dr. Mohd. Rizwan Ahmad	1		1		
Dr. Mahmood Alam	2				
Dr. Reeta	16	2	1		
Mr. Bharat Bhatt				1	
Dr. Nidhi Dhawan	7	1	2	26	
Dr. Bhupender					
Dr. Abdul Wahid Farooqi	5		5		2
Dr. Swati Aggarwal	2				
Ms.Sufiya	1				
Ms.Shoeba (Ad-hoc)	1				
Mr.Arif Hussain Haidary (Ad-hoc)				1	
Mr.Avneesh (Ad-hoc)					
Ms.Swati Khanna (Ad-hoc)	2		3		

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....

National committees:

Dr. R. Prabhakar Rao, Member of Tree Authority Established under The Delhi Preservation of Trees Act, 1996

International Committees:

Dr. Mohd Rizwan Ahmad, Member of the Research Board of Advisors 2000 of American Biographical Institute

Editorial Boards:

Dr. Reeta, Member of Editorial Board of Full Conference proceedings of UGC Sponsored National Seminar organized by Department of Commerce, Sohgra College, Bihar Sharif

22. Student projects

- a) **Percentage of students who have done in-house projects including inter departmental/programme:** All students are required to prepare a project as part of curriculum of B.Com. (H) Part-III
- b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:** NIL

23. Awards / Recognitions received by faculty and students

Faculty

Recognitions

Dr. R. Prabhakar Rao Acting Principal, Zakir Husain Delhi College, Delhi University, Delhi

Dr. M.A. Beg Principal Zakir Husain Post Graduate Evening College, Delhi University, Delhi

Awards

CA Ashok Sharma Awarded for the year 2008-09 for commendable contribution in activities of profession by NIRC of ICAI

Dr. Nidhi Dhawan

- i. Received Gold Medal and Prof. Manubhai M Shah Memorial Research Award 2012 in the 65th All India Commerce Conference at K.P.B Hinduja College, Mumbai for research paper titled “An Empirical Analysis of Organizational Stressors in Banking Sector”.
- ii. Received Best Paper Award for paper presentation in National Seminar on research paper titled “Impact of Inter Role Distance in Banking Sector” at Jesus & Mary College, University of Delhi, Delhi, 2014
- iii. Received certificate of Appreciation and Received Best Paper Award for paper presentation in National Conference for research paper titled “Issues related to Stressors and its impact upon Overall Job Performance- “An Empirical Analysis” at Bharati College University of Delhi, Delhi, 2015

Students

S.No.	Name	Achievement
1.	Ajay Kumar	Represented University of Delhi at All India Inter University, Winner – Inter College Football Competition (Team Captain), Winner- Zakir Husain Memorial, Runners up- 2nd Invitational Uth league. (2015-16)
		3rd in Inter College Football Competition, Winner- Zakir Husain Memorial, Winner- 1st Invitational Uth league, Winner- Institutional League. (2014-15)
		Runner up in Inter college football competition. Winner- Zakir Husain Memorial Football Tournament (2013-14)
2.	Uzzam Hafeez	3rd in Inter College Football Competition, Winner- Zakir Husain Memorial, Winner- 1st Invitational Uth league. (2015-16)
		Winner – Inter College Football Competition, Winner- Zakir Husain Memorial, Runners up- 2nd Invitational Uth league. (2014-15)

3.	Ashish Shaw	Winner – Inter College Football Competition, Winner- Zakir Husain Memorial, Runners up- 2nd Invitational Uth league. (2015-16)
4.	Yogesh Kumar	Winner – Inter College Football Competition, Winner- Zakir Husain Memorial, Runners up- 2nd Invitational Uth league. (2015-16)
5.	Shubham Gupta	Team Position: Fifth position in Inter college, 2nd position in LSR sports fest, 3rd position in SRCC sports fest. (2015-16) Fourth position in Inter college competition. (2014-15)
6	Apoorv Kakkar	Represented University of Delhi in North Zone and at All India Inter University, 3rd in Inter College Football Competition, Winner- Zakir Husain Memorial, Winner- 1st Invitational Uth league, Winner- Institutional League. (Captain) (2014-15) 3rd in North zone Inter University football Championship at Kurukshetra & 3rd in All India Inter University Championship in Kerela. Runner up in Inter college football competition. Winner- Zakir Husain Memorial Football Tournament. (2013-14)
7	Deepanshu Joshi	Individual: 3rd position in Inter college Judo competition. Team: Over all Second Position in Inter College Comp. (2014-15) 3rd position in Delhi State competition, 3rd position in Inter college Judo & 3rd position in Taekwondo Inter College Competition. (2013-14)
8	Sagar Goel	Over all Fourth position in Inter college competition. (2014-15)
9	Saurabh Singh	3rd in Inter College Football Competition, Winner- Zakir Husain Memorial, Winner- 1st Invitational Uth league, Winner- Institutional League. (2014-15)
10	Devesh Sajwan	Runner up in Inter college football competition. Winner- Zakir Husain Memorial Football Tournament (2013-14)
11	Taba Azeem	Runner up in Inter college football competition. Winner- Zakir Husain Memorial Football Tournament (2013-14)
12	Rambhajan	IIT Delhi (voice of rendezvous) 1st position , Jamia university semi classical solo 2nd position , Shakespeare society drama competition (music) 1st prize , Invited by British council to perform, Bhartiya Vidyapeeth university solo singing 2nd Position , Kirori mal college 1st position (2015-16)
13	Tanvi	BUIZ-ECO Quiz first Position , Quiz Society, Zakir Husain Delhi College, MELA Quiz Second position , Quiz Society, Zakir Husain Delhi College (2014-15)
14	Kartik Chaturvedi	Secured First Position in Polynomies Event, Delhi College of Arts and Commerce, (2015-16)
15	Ashmita Mishra	Secured second place in the event Last Firm Standing in ECOWAVES 2016 ORGANISED BY Economics Association, Dyal Singh College (2015-16)
16	Aakriti Singh	Secured second place in the event Last Firm Standing in ECOWAVES 2016 ORGANISED BY Economics Association, Dyal Singh College (2015-16)
17	Syed Hasan Ali	Secured First Position Inter College Business Quiz 2016 Zakir Husain Delhi College, Third Position Intra College Business and Economics Quiz 2015 Zakir Husain Delhi College (2015-16)

18	Yamini Kaushik	First position in Inter College Debate Competition, ZAKLIT 2015, English Literary Society ZHDC (Eve) (2014-15)
19	Irshad Ibrahim	Participated in Book Cover Design Competition MIRAAS 2016 obtained Consolation Prize (2015-16) Secured First Prize NSUI Quiz Competition in Medhavi' 2015, University of Delhi, Delhi (2014-15)
20	Mohit	Secured 2nd prize at Hansraj College Science di vita. Life science society and dance competition, secured 3rd prize in foot loose -solo dance competition at Jims. Verve 2016, secured 1st prize in dance competition at Zakir Husain Delhi College, secured 1st prize , ZHDC (eve) in Group dance competition. (2015-16)

24. List of eminent academicians and scientists / visitors to the department

- 1) Prof. Dinesh Singh, Vice Chancellor, University of Delhi
- 2) Shri Haroon Yusuf, Honorable Minister of Civil Supplies, NCT of Delhi
- 3) Prof. Sukhadeo Thorat, Chairman ICSSR, New Delhi (Ex- Chairman, UGC)
- 4) Prof. Furqan Qamar, Vice Chancellor, Central university of Himachal Pradesh
- 5) Prof. Nawal Kishor, Director, Management Department, IGNOU
- 6) Prof. J. P. Sharma, HOD & Dean, Faculty of Commerce and Business, Delhi School of Economics, University of Delhi
- 7) Prof. Moneer Alam, Institute of Economic Growth, Delhi University
- 8) Prof. Prahlad Kumar, HOD, Department of Economics, Allahabad University
- 9) Prof. S. L. Gupta, Director, Birla Institute of Technology, Patna
- 10) Prof. Munish Makkar, Director, Birla Institute of Technology, NOIDA, U.P.
- 11) Prof. J Surujlal, Professor & Director Research Development, North-West University, South Africa
- 12) Prof. Dhurup Roy, North- West University, South Africa.
- 13) Prof. Nar Singh, Head, Department of Applied Economics, University of Lucknow
- 14) Prof. Madhurima Lal, Department of Applied Economics, University of Lucknow
- 15) Prof. Khan Masood Khan, Dean, Faculty of Social Science, Jamia Millia Islamia
- 16) Mr. Shams Khwaja, Adjunct Professor of Law, Constitutional Law Laboratory, Los Angeles CA
- 17) Prof. Madhu Vij, Faculty of Management Studies, University of Delhi
- 18) Prof. P.B Nayak, Department of Economics, Delhi School of Economics, DU
- 19) Mr. T.R Mehta, Deputy Director of ICSI
- 20) Mr. J.K Bareja, Associate Professor, Shyam Lal Evening College
- 21) Prof. R.P Tulsian, Associate Professor, Shaheed Bhagat Singh College (Evening)
- 22) Mr. Amit Goel, Institute of Banking and Finance
- 23) Prof. Vijay Kumar Kaul, Head of Department of Business and Economics, Dean of Faculty of Applied Social Science, University of Delhi.
- 24) Mrs. Jaswinder Garewal, Motivational Speaker.
- 25) Mr. Rohit Dutta, Certified Hypnotist Renowned Corporate Trainer
- 26) Mr. Ramchandran, IIM Calcutta Alumini, TIME Faculty
- 27) Dr. Rich Rice, Associate Professor, Texas Tach University
- 28) Mr. Satyendra Tiwari, Certified Corporate Trainer

- 29)Mr. Vijay Singh, CEO & MD Aaram Shop
 30)Mr. B.K Sharma, Chairman of NSE
 31)Dr. Vinod Kumar, International College of Financial Planning
 32)Dr. Ajay Kumar Tomar, D. S. College, Aligarh
 33)Dr. Dalip Kumar, Project Officer, NCAER, New Delhi
 34)Dr. Deen Dayal Chaturvedi, Guru Govind College of Commerce, Rohini, Delhi
 35)Dr. Indu Varshney, D. S. College, Aligarh
 36)Prof. Sapna Rakesh, Institute of Management and Technology, Ghaziabad
 37)Mr. P.K. Chaubey, Faculty of IIPA, New Delhi
 38)Prof. Sanjeev Mittal, Head, IP University
 39)Mr Vijay Kapoor, Director, BOS, ICAI
 40)Mr Anuj Dayal, IAS, PRO, Delhi Metro
 41)Prof. Dhurup Roy and J. Surujlal, Professors of North-West University, South Africa
 42)Prof. S.P. Singh and Prof. D.K. Nauriyal from IIT, Roorkee
 43)Prof Prakash, BIMTECH, Greater Noida

25. Seminars/ Conferences/Workshops organized & the source of funding

National Seminar organized by the Department of Commerce on “Challenges of Development: Re-Visit to Inclusiveness” on January 17-18, 2014 funded by ICSSR.

26. Student profile programme/course wise:

Name of the Course/programme	Year	Selected	Enrolled		Pass percentage
			Male	Female	
B.Com (P)	2013	29	24	05	100%
	2014	50	10	40	100%
B.Com (H)	2013	72	57	15	100%
	2014	66	57	09	100%
M.Com.	2013	10	05	05	100%
	2014	14	06	08	100%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Com (H) 1 st year	45.1	53.9	1
B.Com (P) 1 st year	45.7	51.4	2.9
B.Com(H) 2 nd year	44.3	55.7	0
B.Com (P) 2 nd year	30.5	69.5	0
B.Com(H) 3 rd year	59.5	40.5	0
M.Com	54.5	45.5	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Twelve of our students who have cleared NET are working as faculty members in different colleges. Other students may have done so as well but data is not available.

29. Student progression

Student progression	Against % enrolled
UG to PG	Data Not Available
PG to M.Phil.	Data Not Available
PG to Ph.D.	Data Not Available
Ph.D. to Post-Doctoral	Data Not Available
Employed • Campus selection • Other than campus recruitment	Data Not Available
Entrepreneurship/Self-employment	Data Not Available

30. Details of Infrastructural facilities

- i. **Library:** Each year the department adds new books/editions to enrich the college library and make reading material accessible to its students. The Department of Commerce has a separate section in the library which has around 8500 books for enrichment of knowledge of students and faculty. The facility of photocopy and printout is also provided to students at cheaper rates. College library is also equipped with Multimedia Lab.
- ii. **Internet facilities for Staff & Students:** Computer lab provides internet access both to teachers and students. College WiFi facility is available to all students and teachers.
- iii. **Class rooms with ICT facility:** All class rooms of commerce department are equipped with LCD projector and WiFi facility.
- iv. **Laboratories:** College has two air conditioned Computer Labs with 110 computers where every student works on an independent PC with latest configurations and equipped with all necessary software.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Fee Concession	B.Com.(P)/(H)
2013-14	10
2014-15	13
2015-16	16

Scholarship	SC/ST
2013-14	08
2014-15	12
2015-16	17

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- 1) Conducted a talk by Rohit Dutta, A Motivational Speaker to motivate students on 12th February, 2016
- 2) Seminar about CV writing, group discussion and personal interview was conducted by New Delhi Institute of Management, 2016
- 3) A personality development session ‘Dare to Dream’, a talk by Dr. Jaswinder Grewal; a session by T.I.M.E. and New Delhi Institute of Management in the month of September and October, 2015
- 4) On 30th Sept. 2014, an interactive workshop on “Effective Writing and Presentation Skills” was organized, which was presided over by Dr. Rich Rice, Associate Professor, Department of English, Texas Tech University.
- 5) Seminar on “Careers in Management and Management in Careers” was conducted by Institute of Management Technology on 11th March 2014
- 6) On 24th January, 2013, an Interactive Awareness Program on “Recent Developments in Capital Market” was organised with the help of Northern India Regional Council of The Institute of Company Secretaries of India. The lecture was delivered by Mr. T.R. Mehta, Deputy Director of ICSI, Mr. J.K. Bareja and Mr. R.P. Tulsian on various developments in capital market.
- 7) Investor’s Awareness Programme on Capital Market and Mutual funds by the staff of The Institute of Company Secretaries of India was delivered on 4th October, 2013
- 8) Financial Literacy Programme by eminent staff of Reserve Bank of India on 27th September, 2013
- 9) Seminar conducted by staff members of NSE to provide an overview of NSE and its role as an exchange focusing on working of education initiatives by NSE on 10th September, 2013
- 10) Lecture conducted on “Avenues Abroad” by eminent professors of North-West University, South Africa on 6th November, 2013
- 11) Professor Vijay Kumar Kaul, Head of the Department of Business and Economics and Dean of Faculty of Applied Social Sciences, University of Delhi was invited to grace the occasion where he delivered an interactive talk on “Money, Finance & Governance” held on 19th and 20th February, 2013.
- 12) On 22nd March, 2012 a lecture was organized by Mr. Amit Goyal from the Institute of Banking & Finance, where he threw a light on various career prospectus for the students.
- 13) An interactive talk on ‘Corporate Social Responsibility’ by Mr. Vijay Kapur, Director Board of Studies, ICAI was held on February 8 and 9, 2012.

33. Teaching methods adopted to improve student learning

- Black board teaching supplemented with power point presentations in class.
- Interactive classroom sessions to stimulate the interest and enhance the learning of the students.

- Handouts provided to the students for difficult topics
- Tutorials held for clarification of doubts
- Conducting regular assignments and class tests
- Presentation by students on different topics in the class
- Lectures and seminars organized to familiarize students with various concepts
- Educational and industrial trips for the students organised

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Many students are actively involved in NSS and Eco Club activities in the college.

35. SWOC analysis of the department and Future plans

Strengths:

- Well qualified and dedicated faculty
- Well trained computer teaching staff
- Primarily concern for overall development of the student
- High involvement of students in various academic and non academic activities
- Active engagement of faculty in research including paper writing, presentations and publications.
- Special lectures and seminars organized from time to time to groom students and keep them updated with the changing industry trends.

Weaknesses:

- Currently limited alumni base at the department level
- Facing problems in research and development due to lack of adequate infrastructure
- Inadequate reading material for hindi medium students due to non-availability in the market

Opportunities:

- Ample opportunity to start professional courses
- Multiculturalism opens opportunity for exploring new areas for research and development for teaching fraternity

Challenges:

- Inadequate placement opportunities available for the students
- To help each student in identifying their hidden talent and realise their potential.

FUTURE PLANS

- Conducting corporate interface lectures on regular basis
- Conducting more personality development workshop for students
- Forming a departmental career guidance committee comprising of faculty members, a few representatives from the alumni, and students currently enrolled
- Plans to improve the placement prospects of the students
- Plans to undertake research based activities
- To apply for UGC sponsored Minor and Major research projects
- To have a departmental journal with ISSN No.
- To organize more national/international seminars and workshops for students and faculty

Annexure-I

Dr. R. Prabhakar Rao

Publications in journals

H-index of the author									
Title	Journal	Year, vol. & page no.	ISSN no.	Whether peer reviewed	Impact factor (if any)	Citation index	SNIP	SJR	Name of international database in which publication
1. The Myth of Compensatory Plantation	In the Book titled The Secret Abode of Fireflies - Loving and Loosing Spaces of Nature in the city ,Youth Reach	2010, pp. 248-251	978-81-907-393-1-3	Yes					
2. Biodiversity Conservation in India- the Legal and Policy Framework	World Wide Fund for Nature, INDIA	2000, pp. 548-570	DHR -A-A 00-88-0004 4-00	Yes					
3. A Peoples plan for Bio Diversity Conservation	World Wide Fund for Nature, INDIA	2000, pp. 612-624	A-A-00-88-0004 4-00	Yes					
4. Dear Friend	In the Book One World	1998, pp. 49-54	8186 8952 80	Yes					

Books Written/Edited Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Cost Accounting	Book	978813175945	Refereed	Pearson Education, 2011	Co Author
An Introduction to Environment Studies	Book	978-93-83283-36-1	Refereed	International Book House Pvt. Ltd, 2015	Co author

CA Ashok Sharma

Books Written/Edited Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Financial Accounting	Book	978-93-8116-242-2	Refereed	Ane Books Pvt. Ltd, 2012	Co Author
Simplified Approach to Indirect Tax Laws	Book	978-93-81335-62-8	Refereed	International Book House Pvt. Ltd, 2013	Co Author

Dr. Ruma Debnath

Books Written/Edited Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Agrarian Development in Nigeria	Book	81-85163-92-8	Refereed	Kalinga Publications, Delhi, 1999	Sole Author

Dr. Shivani Abrol

Publications in journals

H-index of the author									
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Demerger: Legal Framework in India	Third Concept-An International Journal of Ideas	2013,pp .46-53	0970-7247	Yes					
2. Motives of Demerger: Analysis of Real Life Cases	International Journal of Business & Economic Research	2013,pp .61-70	2306-9074	Yes					

Books written/edited

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Computerised Accounting (How to Use Tally), Virtual Learning Environment	e-lessons	2349-154X	-	Institute of Life Long Learning (ILL), Delhi University	Sole author
Accounting for Hire Purchase System, Virtual Learning Environment,	e-lessons	2349-154X	-	Institute of Life Long Learning (ILL), Delhi University	Sole author

Dr. Shruti Gupta

Publications in journals

H-index of the author									
Title	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Capital Expenditure Practices in BPO Industry in India: A Survey	International Journal of Applied Financial Management Perspective	2015, 4, 1546-1555	2279-0896	Yes	6.847				
2. BPO Industry in India: Trends and Challenges	International J. of Research in Commerce, IT and Management	2015, 5, 56-58	2231-5756	Yes					ProQuest
3. Professionalism in Strategic Financial Management: Construction of an Index	Inspira – Journal of Modern management and Entrepreneurship	2015, 5, 32-38	2231-167X	Yes	2.0778				
4. Social Entrepreneurship: Trends and Challenges	International Journal of Entrepreneurship and Business Environment Perspectives	2015, 4, 1813-1818	2279-0918	Yes	6.847				

Dr. Mohd. Rizwan Ahmad

Publications in journals

H-index of the author									
Title	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Banking Sector in India in the Post – Globalisation Period	In edited book titled “Globalisation and the Indian Economy”	2009, 161-173	978-81-7708-208-1	Yes					

Books written/edited

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Inflation Accounting Practice's in India's Corporate Sector	e-lessons	81-269-0216-7	-	Atlantic Publishers and Distributor's, New Delhi , 2003	Sole author

Dr. Mahmood Alam

Publications in Journals

H-index of the author									
TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
Indo-Safta Trade Relations – A Critical Overview	International J of Business and Management Research	2016, 6, 11-23	1938-0429	Yes					
Stability and Foreign Investment Flow	Third Concept- An International J of Ideas	1996, 43-45	0970-7247	Yes					

Dr. Reeta

Publications in Journals

H-index of the Author									
2									
Title	Journal	Year, Vol & page number	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNI P	SJR	Name of Inter-national Database in which publication listed
Means of Transport (YATAYATA) in Ancient India	Vishveshvarana and Indological Journal Sadhu Ashram, Panjab University	Vol. XXXIX-XL, 2001-02, 224-230	0507-1410	Yes					
Accounting for Human Assets: Some Issues	J. of Business Studies, Shaheed Bhagat Singh College, DU	2009, 2, pp.72-76	0975-0150	Yes	-	-	-	-	-
HRA: Problems in Application	J of Commerce and Information Technology, NICM, Jaipur	2011, 2, pp. 33-38	0972-9550	Yes	-	-	-	-	-

HRA as an Aid to Human Resources Management	Journal of Business Studies Shaheed Bhagat Singh College, DU	2011, 4 pp.149-154	0975-0150	Yes	-	-	-	-	-
Franchise Mart-The Source of Indian Entrepreneur	J of Education and Vocational Research	2011, 2, pp. 4-9	2221-2590	Yes	-	-	-	-	Ulrich's Periodicals Directory, Index Copernicus
HRA System in Selected Indian Companies	J. of Social & Developmental Sci.	2012, 3, pp. 69-76	2221-1152	Yes	-	3	-	-	Proquest Illustrata Health Science
Managerial Uses of HRA-A Survey	International J. of Research in Commerce and Management	2012, 3, pp.77-79	0976-2183	Yes	-	3	-	-	Ulrich's Periodical Directory USA, EBSCO Publishing
Management of Floating Capital in Banking Sector: A case Study of Public and Private Sector Banks in India	IJRCM	2013, 4, pp.61-64,	0976-2183	Yes	-	-	-	-	Ulrich's Periodical Directory USA, EBSCO Publishing, USA Open J-Gate
Social Responsibility and Ethics in Marketing	Assimilation- A DAV International J of Social Sciences	2014, 1, pp.108-116	2394-2452	Yes	-	-	-	-	-
Human Resource Accounting Practices in Public Sector Companies in India	International J of Trends in Human Resource Management	2015, 4, pp.16-26	0976-9706	Yes	-	-	-	-	-
Problems in Adoption and Application of HRA: A Survey	International J of Management Research	2015, 3, pp.46-50	2321-1709	Yes	4.316	1	-	-	-
HRA Practices in Satyam Computers Services Limited	International J of Human Resources and Social Sciences	2015, 2, pp. 5-10	2394-4218	Yes	2.561	-	-	-	Open Access International e- J included in International Serial Directories
Women Entrepreneurship in India	Inspira J of Commerce, Economics and Computer Science	2015, 1, pp. 39-44	2395-7069	Yes	1.7122	-	-	-	-
Human Resources as Assets: An Overview	International J of Innovative Research and Development	2015, 4, pp.238-240	2278-0211	Yes	-	-	-	-	Bielefeld Academic Search Engine

Micro Small and Medium Enterprises: Government Policies and Regulatory Framework	J of Modern Management & Entrepreneurshp	2015, 5, pp.177-185	2231-167X	Yes	2.0778	-	-	-	-
Human Resource Accounting Practices in Private Sector Companies in India	Inspira, J of Modern Management & Entrepreneurship Jaipur,	2015, 5, pp. 210-218	2231-167X	Yes	2.0778	-	-	-	-
Problems in Adoption and Application of HRA: A Survey	International J of Management Research	2015, 3, pp.46-50	2321-1709	Yes	4.316	1	-	-	-

Books written/edited

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Dictionary of Commerce	Book	-	-	Karan Publishers, Jalandhar, 2004	Co author

Mr. Bharat Bhatt

Chapter in Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Corporate Governance Practices in selected Companies in Book titled Global Economy SlowDown Opportunities and Challenges	Book	978-81-8457-364-0	-	Kanishka Publishers, 2012	Sole author

Dr. Nidhi Dhawan

Publications in Journals

H-index of the author		1							
Title	Journal/Book	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
Impact of Organizational Climate on Job Stress and Coping Mechanism in Public and Private Sector Banks	DSM Delhi	2013, 5, pp. 39-70	0975-1998	Yes	-	-	-	-	Refereed international J of Divine International
An Empirical Analysis of Organizational Stressors in the Banking Sector	The Indian Journal of Commerce	2013, 66, 255-270	0019-512X	Yes	-	-	-	-	-

Empirical Analysis of Role stressors in Banking Sector	The Global e-learning journal	2013, 2	2165-8080	Yes	-	1	-	-	-
Impact of Inter Role Distance in Banking Sector	IIM journal	2013, 2, pp. 1-12	2277-4211	Yes	-	-	-	-	-
Organizational Climate and Job Stress	IIM Journal	2015, 5, 1-13	2277-4211	Yes	-	-	-	-	-
Issues related to stressors and its impact upon overall job satisfaction	ARTHAVA AN	2015, 1, pp.39-43	2455-0353	Yes	-	-	-	-	-
Restoring the culture of Ethical values in Business	Edited book titled An insight into contemporary researches in business	2015, pp. 12-22	978-3-639-86009-2	Yes	-	-	-	-	-

Books Written/Edited Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Introduction to E-Commerce	Book	978-81-910642-2-3	Refereed	International Book House Pvt. Ltd., Delhi 2011	Sole author
E-Commerce (Concepts and Applications)	Book	978-93-81335-16-1	Refereed	International Book House Pvt. Ltd., Delhi 2011	Sole author

Chapters in Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
E-Lessons (4) written for B. Com (H) First Year, Business Law, Paper V	e-lessons	2349-154X		Institute of Life Long Learning (ILL), Delhi University, Delhi, 2010	Sole author
22 Modules	e-content			Written for UGC Project NMEICT, 2016	Sole author

Dr. Abdul Wahid Farooqui

Publications in Journals

H-index of the author										
Title	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed	

Corporate Social Responsibility of SAIL : A case study of Bokaro Steel Ltd	Management Mosaic	2016, pp.548-558	978-93-85504-14-3	Yes	-	-	-	-	-
Emerging Trends in Curriculum and Teaching Methods of Commerce	University News: A weekly Journal of Higher Education, New Delhi	2006,44, pp.6-9	0556-2257	Yes	-	-	-	-	-
Professionalisation of Management in Cooperative Banks of Delhi State	FINANCE INDIA: A Quarterly journal of Indian Institute of Finance New Delhi	2007, 30, pp. 598-604	0970-3772	Yes	-	-	-	-	-
Corporate Social Responsibility of SAIL: A case study of Bokaro Steel Ltd.	INSPIRA, Journal of Modern Management & Entrepreneurship	2015, 5, pp.71-76	2231-167X	Yes	-	-	-	-	-
Professionalisation of Management : A case study of Urban Cooperative Banks of Delhi State	IJETMAS, New Delhi	2016, 4	2349-4476	Yes	-	-	-	-	-

Books Written/Edited Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Management in Banks : A Professional study of Cooperative Sector	Book	81-8329-175-9.		Shree publishers and distributors, New Delhi, 2007	Sole Author
Contemporary Business Practice- A Road to Excellence	Edited Book	8188719-66-8		Indus Valley Publications, Jaipur, 2008	
Banking and Insurance	Book	978-93-81505-97-7		Wisdom Publication, New Delhi, 2013	Sole Author
Company Evam Kshatipurti Vidhan	Book	978-93-82209-31-7		Scholar Tech Press Mayur Paper Back, New Delhi, 2013	Sole Author
Vyasayik Prabandhan	Book	978-93-82209-83-6		Scholar Tech Press Mayur Paper Back, New Delhi, 2015	Sole Author
Skills to Excel in Higher Education	Edited Book	978-93-80135-43-4		Vedant Publications, Lucknow, 2015	
Principal and Practice of Insurance	Book	978-93-81505-98-4		Wisdom Publication, New Delhi, 2015	Sole Author

Dr. Swati Aggarwal

Publications in Journals

H-index of the Author									
Title	Journal	Year, Vol & page number	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNI P	SJR	Name of International Database in which publication listed
Understanding Customer Relationship with the Firm	IIM Journal	2013, 2, pp. 31-40,	2277-4	Yes	-	-	-	-	-
From Complaint Handling to Customer Loyalty: An Investigation in Indian Context	Apeejay School of Management	2015, pp. 212,	978-93-84562-04-5	Yes	-	-	-	-	-

Ms. Sufiya

Publications in Journals

H-index of the Author									
Title	Journal	Year, Vol & page number	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNI P	SJR	Name of International Database in which publication listed
A Comparative Analysis of European and NSE Option Market	Conference Proceedings of International Conference on Development of Economies Through Business at RDIAS	April 2016 pp.4 45-453	978-93-85777-61-5	Yes	-	-	-	-	-

Ms. Shoeba

Publications in Journals

H-index of the Author									
Title	Journal	Year, Vol & page number	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNI P	SJR	Name of International Database in which publication listed
A Comparative Analysis of European and NSE Option Market	Conference Proceedings of International Conference on Development of Economies Through Business at RDIAS	April 2016 pp.4 45-453	978-93-85777-61-5	Yes	-	-	-	-	-

Mr. Arif Hussain Haidary

Chapters in Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Emerging challenges and opportunities in online marketing in book titled E-commerce and Consumer Interest (Challenges and Opportunities)	Book	978-93-82281-60-3		Raj Publications,2015	Sole author

Ms. Swati Khanna

Publications in Journals

H-index of the author -----									
Title	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
Corporate Social Responsibility, Corporate Governance and Sustainability: Synergies and Interrelationships	Indian Journal of Corporate Governance	Jan-Jun 2014, Vol.7, No.1, pp.14-38	0974 - 6862	Yes	-	-	-	-	-
Towards Better Understanding of CSR	The Chartered Accountant, Institute of Chartered Accountants of India (J.)	2014, Vol.62, pp. 1859-1863	0009 - 188X	Yes	-	-	-	-	-

Chapters in Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Functions and Culture of Management in book titled Business entrepreneurship & management	Book	81-8218-055-4	Yes	Galgotia Publishing Company, Delhi, India, 2014, pp. 102-110	Sole Author
Managing Finance in book titled Business entrepreneurship & management	Book	81-8218-055-4	Yes	Galgotia Publishing Company, Delhi, India, 2014, pp. 111-119	Sole Author
Managing Human Resource in book titled Business entrepreneurship & management	Book	81-8218-055-4	Yes	Galgotia Publishing Company, Delhi, India, 2014, pp. 120-129	Sole Author

EVALUATIVE REPORT OF THE DEPARTMENT OF ECONOMICS

1. Name of the Department: ECONOMICS

2. Year of Establishment: 1948

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

- i. B.A.(H)
- ii. B.A. (Program)

4. Names of Interdisciplinary courses and the departments/units involved

Name of Course	Departments/ units involved
Introductory Microeconomics	B.Com (Hons.), B.Sc (Hons.), Psychology (Hons.), Political Science (Hons.), Hindi (Hons.), History (Hons.)
Introductory Macroeconomics	B.Com (Hons.), B.Sc (Hons.), Psychology (Hons.), Political Science (Hons.), Hindi (Hons.), History (Hons.)
Indian Economy	B.Com (Hons.), B.Sc (Hons.), Psychology (Hons.), Political Science (Hons.), Hindi (Hons.), History (Hons.)
Contemporary India	B.A (Prog.) students

5. Annual/ semester/choice based credit system (programme wise)

- 1) B.A (Hons.) Economics IInd and IIIrd Year (Semester)
- 2) B.A (Hons.) Economics Ist Year (Choice Based Credit System)
- 3) B.A (Prog.) IInd Year (Semester)
- 4) B.A (Prog.) Ist Year (Choice Based Credit System)

6. Participation of the department in the courses offered by other departments

Name of Course	Department offering the course
Mathematics (Linear Algebra, Calculus)	Mathematics
Formal Logic	Philosophy
English Language	English
Hindi Language	Hindi
Sanskrit Language	Sanskrit
Reading Gandhi	Political Science
Citizenship in Globalising World	Political Science
Environmental Issues in India	History
Psychology for Living	Psychology
Banking and Finance	Commerce

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	03	03
Assistant Professors	06	05 (Permanent) ; 01(Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Shamsul Haque	M.A, M.Phil	Associate Professor	Economics of Education	27.5	
S.M.Q Raza	M.A, M.Phil	Associate Professor	International Trade	29.5	
Apala Panda	M.A, M.Phil	Associate Professor	Statistics, Political Economy, Indian Agriculture	25.5	
Shailza Gupta	M.A, M.Phil	Assistant Professor	Indian Economy	17	
Shirin Akhtar	M.A	Assistant Professor	Development Economics, Labour Economics, Gender Economics	13	
Sujit Basu	M.A, M.Phil	Assistant Professor	Macroeconomics	8	
Simin Akhtar Naqvi	M.A	Assistant Professor	Econometrics, Game theory, Indian Economy	7	
Vibha Iyer	M.A, M.Phil	Assistant Professor	Political Economy, Economic History	5.5	
Shelly Gupta (Ad Hoc)	M.A	Assistant Professor	Macroeconomics	2.5	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 15 %

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 15 Students/Teacher (15:1)
- B.Sc. (Prog): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Teaching Faculty
M.Phil	6
MA	3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: Yes

19. PUBLICATIONS: (See Annexure-I)

Name of Faculty Member	Research papers in Journals with ISSN No.	Chapters in Edited Books with ISBN No.	Books published with ISBN No.	Monographs
Shirin Akhter	01	04		
Sujit Basu	01		02	
Simin Akhter Naqvi	01	01		01
Vibha Iyer		03		
Shelly Gupta	05			

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Board: None

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists / visitors to the department

- Prof. C.P. Chandrasekhar, Centre for Economic Studies and Planning, Jawaharlal Nehru University
- Prof. Prabhu Mahapatra, Department of History, University of Delhi,
- Prof. Praveen Jha, Centre for Economic Studies and Planning, Jawaharlal Nehru University and others.

25. Seminars/ Conferences/Workshops organized & the source of funding

- Majority of seminars and symposiums (organized either by Economic Society or the Dept.) are funded by College.

- Economics Department takes out an Annual Departmental Journal “Rise”(with editorial initiatives of both students & teachers like Ms Simin Akhter, Ms Shirin Akhter, & Mr S.M. Qaisar Raza). Funding is done primarily by College.
- Economic Society of the College also organizes outstation trips for students in order to provide them a larger exposure of India through fun. The Kasauli Trip of 2013 and Kashmir Trip of 2015 are particularly important.
- Occasionally our students are also accompanied by teachers to Seminars held outside Delhi. In recent times, third year students of 2015 were taken to Kashmir for participating in a seminar on “Women and Education”. This gives them an exposure to larger academic circle outside college as well as the media.

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.A (Hons.) Part I (2014)	DU Centralized Admission	46	75.61	24.39	89.13
B.A (Hons.) Part II (2014)		36	61.11	31.11	75.00
B.A (Hons.) Part III (2014)		22	54.54	45.45	100

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A (Hons.) Economics Part I (2015-16)	43.33	56.66	0
B.A (Hons.) Economics Part II (2015-16)	48.00	52.00	0
B.A (Hons.) Economics Part III (2015-16)	53.66	46.34	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Record

29. Student progression

Student progression	Against % enrolled
UG to PG	More than 50 percent
PG to M.Phil.	About 20 percent
PG to Ph.D.	About 5 percent
Ph.D. to Post-Doctoral	NO INFORMATION

Employed	
•Campus selection	About 10 percent
•Other than campus recruitment	NO RECORDS
Entrepreneurship/Self-employment	About 40 percent

** These data given in above table is an approximation on the basis of personal interaction with students, as college does not maintain any such formal records related to this area.

30. Details of Infrastructural facilities

- i. **Library:** The department has no individual library but an exclusive section in the college library.
- ii. **Internet facilities for Staff & Students:** Yes
- iii. **Class rooms with ICT facility:** Some of our classrooms are equipped with LCD projectors with Wi-Fi facility provided by the college.
- iv. **Laboratories:** NA

31. Number of students receiving financial assistance from college, university, government or other agencies: Nine students (2012-16)

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

The department holds symposiums/seminars/ workshops/special lectures under the banner of Economic Society and outside every year. The topics range from academic issues to self-development. External experts are invited to deliver lectures and/or conduct workshops.

33. Teaching methods adopted to improve student learning

- 1) Class lectures for covering the mandated syllabus
- 2) With profuse use of White Board
- 3) Interaction with students at the end of each lecture& inviting questions.
- 4) Distribution of handouts for difficult topics
- 5) Tutorials for training students in writing skills, for holding group discussions, for clarification of doubts, and also for discussing previous years' university question papers.
- 6) Making students write assignments, term papers and holding of regular tests as part of the internal assessment requirement. (This constitutes 25 percent of total marks in the Delhi University exam)
- 7) Use of ICT where relevant and required
- 8) Holding special classes for students who may require additional help

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Economics department (both teachers and students) participates actively in the social responsibility programmes undertaken by college such as

- 1) Blood donation camps
- 2) Flood Relief

- 3) Cleanliness Campaigns
- 4) Activities of the NSS and other college level societies.

35. SWOC analysis of the department and Future plans

STRENGTHS	In Economics Deptt we admit students with relatively lower scores (as compared to campus colleges), but deliver results (marks) on par with the campus colleges.
	In the job market, our students are on par and at times better than campus college students.
	Extremely favourable student-teacher ratio enables personal attention and care to each & every student in terms of their academic, personal & emotional growth. This becomes particularly beneficial for an introvert/ shy student who otherwise had all the potential for growth, but would have been lost in the bandwagon of campus life.
	Classroom composition represents a mini-India in terms of diversity. This makes teaching not just a profession for Economics Teachers in this college; but an enlightening experience to understand the real challenges of Higher Education in India & thereby contribute everyday towards its solution.
	As for students, the diversity of classroom composition & challenges thereof becomes practical experience of what they learn in Text Books. Students thus learn to become more sensitive & responsible human beings. This becomes visible when they leave college at the end of the course. This learning experience would be somewhat missing in most high profile campus colleges.
WEAKNESSES	The glamour quotient of campus environment is partly missing in this college. As a result, this college doesn't become the first desired destination for many students.
	Being an off campus college and differently located, often puts this college off the radar of recruiting companies. This deprives our students of campus recruitment opportunities despite being talented.
OPPORTUNITY	Faculty over here are capable of offering specialized courses for training of manpower & skill development, relevant for industry/ government/ and academics.
	Developing more student-industry linkages is possible with some effort.
CHALLENGES	There is urgent need for larger number of stipend and larger amount for fellowships in order to enable our students complete their graduation and go for higher studies.
	Additional State Help required for enabling students overcome barriers of language, caste and religion & thus become truly empowered both socially and economically.

Annexure-I

Faculty	Research papers in Journals with ISSN No.	Chapters in Edited Books with ISBN No.	Books published with ISBN No.	Monographs
Shirin Akhter	'Growth and Widening Inequality in the Indian Economy: Evidence from Literature' in <i>International Journal of Development Studies and Research</i> , Vol 3, No-4 (Oct-Dec, 2014). ISSN: 2278-8654	1) 'Inclusive Finance as a Cure for Poverty: Going Beyond Micro-Finance' in <i>New Dimensions for Dynamic Business Practices</i> , (ed) Dr. Narendar Singh et al, 2016, SPD India. ISBN: 9789352132829		

Faculty	Research papers in Journals with ISSN No.	Chapters in Edited Books with ISBN No.	Books published with ISBN No.	Monographs
		<p>2) 'Corporate Social Responsibility as a Strategic Tool for creating Greater Economic Value' in <i>Innovative Business Management</i> (ed) Dr. Narendar Singh et al. (2015), SPD India. ISBN: 9789351101055</p> <p>3) 'Financial Inclusion of women: A Necessary Condition for Sustainable Growth' in <i>Dynamic Approaches for Dyanamic Business Environment</i>, (eds) Dr. S.M.Anas Iqbal et al, (2014), SPD India. ISBN: 9789351105022</p> <p>4) 'Gender Discrimination in Wages and Employment' in <i>Financial Inclusion: New Paradigms</i>, (ed) Dr. Masroor Ahmad Beg, Navyug Books International, Delhi, India (2014) ISBN: 978-93-82974-21-5</p>		
Sujit Basu	<i>International Journal of Development Studies and Research</i> , Vol 3, A Few Aspects of district level disparities in West Bengal. No-3 (Oct-Dec, 2014). ISSN: 2278-8654		<p>1) Principles of Microeconomics – I, Book Age Publications, ISBN:81-924901-07-05.</p> <p>2) Principles of Microeconomics – II, Book Age Publications, ISBN:81-924901-07-05.</p>	
Simin Akhter Naqvi	'Discriminatory Social Systems and Women in Indian Labour Markets: Trends and Issues', <i>International Journal of Development Studies and Research</i> , February 2014. ISSN: 2778-8654	'Economic Growth and Inclusion of Women: What's Wrong with Indian Labour Markets?' in <i>Inclusive Growth: Chasllenges and the Way Out</i> (ed) Masroor Ahmed Beg, A.K Publications, (2014, New Delhi. ISBN: 9383334665		'Experimental Analysis of Adaptive Learning' Verlag Dr. Muller, Germany (2010) ISBN: 9783639313130
Vibha Iyer		1) 'Aay Vitaran evam Saadhan Keemat ke Siddhant' (Income Distribution and Factor Prices) in <i>Vyashti Arthshastra ke Siddhant</i> (eds.) Jaikishan and Bibek Kumar Rajak,		

Faculty	Research papers in Journals with ISSN No.	Chapters in Edited Books with ISBN No.	Books published with ISBN No.	Monographs
		<p>Directorate of Hindi Medium Implementation, University of Delhi, 2013. Pp. 210-225 ISBN 978-93-80172-59-0</p> <p>2) The End of History in Economics: A Critical Look at the Undergraduate Economics Syllabus in the University of Delhi in <i>Nation Building Through Higher Education</i>, New Delhi Publishers. ISBN 978-93-85503-20-7 (Forthcoming)</p> <p>3) Caste and Capitalism: Rethinking the Connection in <i>Re-theorising Identity, Location and Protest</i> (eds) Dhananjay Rai and Prof. Manindranath Thakur, Aakaar Books. (Forthcoming)</p>		
Shelly Gupta	<p>1) 'Estimating India's Transport Cost In New Trade Theory', <i>Review of Research Journal</i>, Vol 2, Issue 12, September, 2013 ISSN: 2249-894X</p> <p>2) 'Impact of Trade Costs on Trade Flows', <i>Review of Reseach Journal</i>, Vol 3, Issue 1, October 2013. ISSN: 2249-894X</p> <p>3) 'All that Glitters: Analysis of Movement in Gold Prices', <i>Golden Research Thoughts</i>, Vol 3, Issue 4, October 2013. ISSN: 2231-5063</p> <p>4) 'Indian Trade Balance', <i>Golden Research Thoughts</i>, Vol 3, Issue 3, September 2013. ISSN: 2231-5063</p> <p>5) 'Agricultural Production and Factors Affecting It', <i>Golden Research Thoughts</i>, Vol 3, Issue 2, August 2013 ISSN: 2231-5063</p>			

EVALUATIVE REPORT OF THE DEPARTMENT OF ELECTRONICS**1. Name of the Department:** ELECTRONICS**2. Year of Establishment:** 1989**3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

- i. B.Sc.(H) Electronics
- ii. B.Tech. Electronics

4. Names of Interdisciplinary courses and the departments/units involved: NIL**5. Annual/ semester/choice based credit system (programme wise)**

All Courses are offered in Semester mode.

6. Participation of the department in the courses offered by other departments

Electronics is offered as Generic paper to B. Sc [H] Chemistry, B. Sc [H] Mathematics in CBCS System.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL**8. Details of courses/programmes discontinued (if any) with reasons:** NIL**9. Number of teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	03	03
Assistant Professors	05	01 (Permanent) ; 04 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	Ph.D. Students guided for the last 4 years
Dr. N.K. Jain	M.Sc., M.Tech., Ph.D.	Associate Professor	Artificial Intelligence (Computer Science)	25	2
Dr. P.K. Shishodia	M.Sc., M.Phil., Ph.D.	Associate Professor	Material Science(Exp.) (Electronics)	25	2
Mr. Anshu Rastogi	M. Sc., M.Phil., M.Tech.	Associate Professor	Embedded System	25	
Dr. Neelam Pahwa	M.Sc., M.Phil. Ph.D.	Assistant Professor	Material Science(Exp.) (Electronics)	20	

Dr. Parvesh (adhoc)	M.Sc., Ph.D.	Assistant Professor	Microelectronics (Electronics)	11	
Dr. Seema Rani (adhoc)	M.Sc., Ph.D.	Assistant Professor	Electronics	7	
Mr. Mahendra (adhoc)	M.Tech.	Assistant Professor	Electronics	1	
Mr. Vinay (adhoc)	M.Tech.	Assistant Professor	Electronics	6 months	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

- a) B.Tech. Electronics: Lectures & Practicals (70%)
- b) B.Sc. (H) Electronics: Lectures & Practicals (36%)

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 09 Students/Teacher (09:1)
- B.Tech: 09 Students/Teacher (09:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 05 (03 permanent+02 temporary)

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Teaching Faculty
M.Phil., Ph.D.	2
M.Tech., Ph.D.	1
Ph.D.	2
M.Phil., M.Tech. (ALCCS)	1
M.Tech.	2

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

01 (Dr. P.K. Shishodia, UGC Major Research Project)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

01 (Dr. P.K. Shishodia, UGC Major Research Project) Duration: 2012-2015,
Sanctioned Grants: Rs. 10,75,800/-, Grants received: Rs.10,63,088/-

18. Research Centre /facility recognized by the University: One Research Centre recognized by University of Delhi

19. PUBLICATIONS: (See Annexure-I)

Name	Publications	H-Index	Books Written	Chapters Written	Books/Chapters Edited
Dr. N.K. Jain	27	8		1	
Dr. P.K. Shishodia	28	9			1
Mr. Anshu Rastogi	--	--			
Dr. Neelam Pahwa	2	--			
Dr. Parvesh (ad hoc)	8	3			
Dr. Seema Rani (ad hoc)	6	4			
Mr. Mahendra (ad hoc)	--	--			
Mr. Vinay (ad hoc)	--	--			

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....

Semiconductor Society (India): Dr. P.K. Shishodia, Dr. Neelam Pahwa, Dr. Seema Rani

IEEE Society: Dr. P.K. Shishodia

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

BSc[H]Electronics students have been doing microprocessor based projects in annual mode.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students

Faculty

Mr. Anshu Rastogi:

1.) Jury member for National Robotics Competition Robotics 2015 (12/03/2015) at Maharaja Agrasen College (D.U.)

2.) Guest of Honor at Inter School Science Fest Innovations 2014 (12-08-2014) at Ahlcon public school Mayur Vihar New Delhi.

3.) Visiting Faculty at Cluster Innovation Centre D.U. for B.Tech Mathematical Students for teaching Embedded System II (Jan – May 2016)

4.) Guest faculty at NSIT BE ECE students (Aug-Nov 12 digital circuits and system, Jan-May13, Aug-Nov13, Jan- May14 Microprocessor, Aug- Nov14)

Students

1.) Nitin Bist, Sazid Ali and Mayank of B. Tech 3rd year students

won the second position in **Line Follower Robot** in Renaissance 16 Annual Fest held in DTU (Delhi Technological University, formerly Delhi College of Engineering).

2.) Krishan kumar gupt of BSc (Hons.)Electronics 2nd year student

Got Summer Research Fellowship -2016 in Indian Academy of Science, Bengaluru.

- 3.) **Sazid Ali of B. Tech 3rd year students won the 1st position** in quiz competition IMPRESIONANTE 2016 organized by Sri Aurobindo College DU.
- 4.) **Nitin Bist of B. Tech 3rd year students won the 2nd position** in quiz competition ELECTROZEAL 15 organized by MAHARAJA AGARSEN College DU.

24. List of eminent academicians and scientists / visitors to the department

- (1) Prof. Avinashi Kapoor DOES, University of Delhi, South Campus
- (2) Dr. P.K. Chaudhary, Scientist-‘G’, SSPL-DRDO, Delhi
- (3) Dr. Shiv kumar, Scientist-‘G’, SSPL-DRDO, Delhi
- (4) Mr. Rajendra, Director(Engg.), Doordarshan.(AIR), Delhi.

25. Seminars/ Conferences/Workshops organized & the source of funding

National:

1. Three days Robotics workshop based on AVR microcontroller on trainer kit organized for benefit of students, funded by ZHDC and conducted at ZHDC as well as Netaji Subhas Institute of Technology (NSIT)(March 2015) WORKSHOP CO-ORDINATOR: ANSHU RASTOGI
2. Oil conservation event organized in collaboration with PCRA and HPCL funded by HPCL on 29 /01/2016 WORKSHOP CO-ORDINATOR: ANSHU RASTOGI

International: NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.Sc (H) Electronics 2013, Part (III)	DU Centralized admission	--	34	01	100%
B.Sc (H) Electronics 2014 Part (III)	DU Centralized	--	16	01	100%
B.Sc (H) Electronics 2015 Part (III)	DU Centralized	--	27	05	100%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
CBCS, B.Sc. (H) Elect. Sci. (Part I)	31.11	68.88	0
CBCS, B.Sc. (H) Elect. Sci. (Part II)	9.09	90.90	0
FYUP B.Tech 3 yr. VI SEM.	31.57	68.42	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Record

29. Student progression

Student progression	Against % enrolled
UG to PG	No Information.
PG to M.Phil.	No Information.
PG to Ph.D.	No Information.
Ph.D. to Post-Doctoral	No Information.
<p style="text-align: center;">Employed</p> <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	No Information.
Entrepreneurship/Self-employment	No Information.

30. Details of Infrastructural facilities

- i. **Library:** Air conditioned Spacious college library with well stocked electronics books & and Multimedia facilities.
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** 01 Classroom
- iv. **Laboratories:** 1 Lab + 1 Computer Lab

31. Number of students receiving financial assistance from college, university, government or other agencies:

2014-15	Vice chancellor's student's fund	02 (B.Tech in Elect. II)
2014-15	List of post metric scholarship to Sc/St/OBC	02 (BSc (H) Electronics III)

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- 1) A lecture on "Advances & limitations of switching ;Basic elements of digital electronics " by Professor Avinashi Kapoor, Department of Electronic Science, & Dean, Faculty of Interdisciplinary Applied Sciences, University of Delhi, South Campus.
- 2) A lecture on "DTH technology" was delivered by Shri Rajendra Kumar, Director (Engg.), Doordarshan, AIR, Delhi.
- 3) A lecture on "Graphene and its application to electronic Devices" by Dr. P.K. Choudhary, Scientist-G, SSPL, DRDO Delhi.

33. Teaching methods adopted to improve student learning

All the members use ICT technology (projector) for lecture delivery which shows complex circuit diagrams to students easily and it also saves valuable time. Students also give their presentations using Projectors. To save papers we encourage soft copies of assignments. It enhances the skills of the students. We also do group discussions among teachers. As per syllabus specially prepared manuals of all labs.

- Use of ICT, Simulations and Presentations.
- Use of projectors in classrooms.
- Regular assignments and tests.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Teachers of Electronics department have Participated in Institutional Social Responsibility (ISR) by being members of various committees like Academic Supervisory Committee, Proctorial board, Time table committee, Library committee, Nature and Environmental Society, Student Union Advisory Board.

Anshu Rastogi:

- Co-ordinator 50.22 KW solar power project being installed in ZHDC (M)
- Member IQAC NAAC
- Served as Secretary Staff Council (March 2012-2014)

Excursions

1. A two day excursion to Madhav National Park was Co-ordinated by Mr. Anshu Rastogi for students and teachers of Nature and environment society (including students of Electronics) during March 2015.
2. A three day excursion to Kanha national Park was organized by Anshu Rastogi for students and teachers of Nature and environment society during October 2015.

Our students are involved in various activities like NSS, NCC, various sports, Eco Club, College science magazine (spectrum) etc.

35. SWOC analysis of the department and Future plans

The Department consists of a team of young and energetic teachers who have experience in different areas of specialisation. They take a keen interest in all round development of students. Eminent scientists are invited to deliver lectures on relevant topics and other programmes like quiz and debates etc. are also organised throughout the session. In very short span, this department has achieved remarkable success in the implementation of academic activities and it always thrive to be in pace with surrounding research activities by actively participating in seminars and conferences.

Strength

- Well qualified faculty.

- Well equipped lab
- Research facilities
- Our faculty is also Visiting faculty to other institutes i.e. JNU, NSIT etc.c.

Weakness

Lack of laboratory space

Opportunities & Challenges and Future Plan

Keeping in view the national program on ‘Digital India’, we have to concentrate on the skill development of our students for their suitability in Electronic Industry. We plan to conduct workshop for students/teachers to provide training for the purpose of skill development.

Annexure-I

Publications in journals

Dr. NK Jain

H-index of the author	8								
TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. A Generalized.....Production Rules System (EHCPRs)	MERI - J of Management and IT	vol. 1:1, pp. 88-101	0974 - 2093	Yes		9			
2. Implementing General Control Scheme in EHCPRs System	Proceedings MATEIT	2008, pp. 347-353							
3. Extended Hierarchical Censored Production Rules System as Decision Support System	MERI - Journal of Management and IT	2010, vol 4:2, pp 57-68.	0974 - 2093						
4. Reasoning in EHCPRs System	International J of Open ...	2009, pp. 173-193	1998 - 6262	Yes	0.756	9			
5. A generalized..... system	Artificial Intelligence Review	2009, vol. 30:1, pp. 39-52	0269 -282	Yes	1.691	12	.302	1.16	

6.	Representation of Defaults and Constraints in EHCPRs System: An Implementation	International J of..... Systems	2009, 1:2, pp. 105-120	1740 - 2115	Yes		8		1.16	
7.	Acquiring Knowledge in Extended Hierarchical Censored Production Rules (EHCPRS) System	International J of Artificial Life Research	2009, vol.1:4, pp10-28.	1947 - 3087	Yes		8			
8.	Learning Techniques in Extended Hierarchical Censored Production Rules (EHCPRS) System	Artificial Intelligence Review	2012, vol. 38:2, pp 97-117.	0269 - 2821	Yes	1.691	10	.302	1.16	
9.	Live Multilingual Thinking Machine	J Experiment & Theoretical Artificial Intelligence	2013, vol. 25:4, pp. 575-587	0952 - 813X	Yes	1.0	6		0.47	
10.	A Globalized Intelligent System	IEEE International	2014, 5-7, pp. 425-431				6			
11.	EHCPRs System as an Ontology Learning System.	Computing for	2015: 978 - 984							
12.	Devising a Super Ontology	Procedia Computer Science	2015:70 785-792	1877 - 0509						
13.	A Realist Framework for Ontologies and the Semantic Web.	Procedia Computer Science	2015: 70 483-490.	1877 - 0509						
14.	Extended Hierarchical Censored Representation		1999	0334 - 1860	Yes		21			Wiley
15.	Hierarchical Censored Production Rules (HCPRS) system		1992	0169 - 023X	Yes	1.480	51	2.28	1.89	
16.	Some learning techniques in Hierarchical Censored Production Rules (HCPRS) System	International J of Intelligent Systems	1998	0884 - 8173	Yes	1.886	24			Wiley
17.	Context Sensitivity in Extended Hierarchical Censored Production Rules (EHCPRS) System	Proceedings of National	2010							
18.	Extracting EHCPRS Rules from Existing Knowledge Bases		2011							

19. Localization of EHCPRs System in the multilingual domain: an implementation		2011							
20. Extended Hierarchical Censored Innovative Strategies		2010	0974 - 2093	Yes					
21. Globalization of EHCPRs System		2011							
22. Multi-encrypted implementation			2231 - 2471		0.936 2	3			
23. Scope of Natural Language Translations in EHCPRs System	Proceedings of Supra-nationalism	2010							
24. Renovation and Rejuvenation of Teachers Education.	National seminar Kanpur	2014							
25. Multilingual EHCPRs System	Proceedings of and Devices	2011							
26. EHCPRs System and Management	Journal of IPEM	2008, vol. 3:1, pp. 1-17							
27. Live EHCPRs System	CACCS-2013	2013							

Dr. P. K. Shishodia

H-index of the author			9						
Sr No	Title of paper	Journal	Vol. & Year, Pages	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1.	Synthesis..... Polyethylene glycol ISSN: 025-5408	Materials Research Bulletin	2016, 77, 84-90	Yes	2.288	0	1.03	0.74	
2.	Ferromagnetism..... crystalline Thin Films ISSN: 0976-3961	Advance material letter	7,(2016) 116-122	Yes	1.90	0			
3.	Synthesis ZnO Thin films ISSN:1348-0391	E- J. of Surface Science & Nanotechn	12, (2014) 334-338	Yes		0			

		ology							
4.	Development of a dye with..... solar cell. ISSN: 1941-7012	J of Renewable and Sustainable Energy	2, 2010	Yes	0.904	22			
5	Enhancement hole conducting agent. ISSN: 2083-1331	Material Science	28, 2010, 281-294	Yes	0.507	1			
6	Investigations sol-gel process. ISSN: 2083-1331	Material Science	27, 2009, 225-237	Yes	0.507	5			
7	Synthesis sensitized solar cells ISSN : 0927-0248	Solar Energy Materials & Solar Cells	92, 2008, 1639-1645	Yes	5.337	240	2.35	2.08	
8	Influence of pH value n quality of Sol-gel derived ZnO films ISSN: 0169-4332	Applied Surface Science	253,2007, 5419-5424	Yes	2.711	50	1.44	0.91	
9	Photoluminescence and absorption in sol-gel derived ZnO films ISSN : 0022-2313	J. of luminescence	126, 2007, 800-806	Yes	2.719	146	1.34	0.77	
10	Photoinduced..... As ₂ Se ₃ thin films. ISSN: 2083-1331	Materials Science	25 (2007) 69-77	Yes	0.507	2			
11	Optical and electrical properties of obliquely deposited a-GeSe ₂ ISSN : 0022-2461	J of Material Science	42 (2007), 1196-1209	Yes	2.371	8	1.42	0.92	
12	Plasma enhanced chemical vapor deposition of ZnO film ISSN : 0022-3093	J of Non-Crystalline Solids	352, 2006, 2343-2346	Yes	1.766	19	1.16	0.75	
13	Growth of Highly Vapor Deposition ISSN: 1662-9795	Key Engineering Materials	321(2006) 1687-1690	Yes					
14	Study of dark and photoconductivity of Sb-doped CuInSe ₂ films.	In. J. Pure & Applied Physics	41 (2003) 723-726	Yes	0.766				

	ISSN : 0019-5596								
15	Photoinduced changes incidence. ISSN : 0022-2461	Journal of Materials Science	38 (2003) 937-940	Yes	2.371	7	1.42	0.92	
16	Effect of illuminationheterojunction ISSN: 0927-0248	Solar Energy Materials & Solar Cells	73 (2002) 261- 267	Yes	5.337	14	2.35	2.08	
17	Theoretical studies on heterostructure ISSN : 0022-3093	J of Non-Crystalline Solids	297 (2002) 31-36	Yes	1.766	--	1.16	0.75	
18	Effect of obliqueAs ₂ S ₃ and As ₂ Se ₃ ISSN : 1454-4164	J of Opto-electronic & Adv. Materials	3, (2001) 319-322	Yes	0.429	4		0.10	
19	Growth and characterization of CuInSe ₂ thin films ISSN : 0022-2461	J. Material Science	28 (1993) 35-39	Yes	2.371	2	1.42 5	0.92 9	
20	Fabrication of low resistive CdS films. ISSN : 0040-6090	Thin Solid Films	201(1991) L1-L5	Yes	1.759		1.09 7	0.69 3	
21	Effect of laser.....CdS thin films. ISSN :0021-8979	J. Applied Physics	67 (1990) 6214-6219	Yes	2.183	6			
22	Effect of UV exposure on optical properties of As ₂ S ₃ thin films. ISSN : 0003-6395	Applied Optics	29 (1990) 1971-1973.	Yes	1.784	27			
23	Growth of high mobility CdS thin films ISSN : 0261-8028	J. Mate. Science Letters.	9 (1990) 547-548	Yes	--	18	--	--	--
24	Effect of hydrogen annealing on structural and optical properties of ZnSe thin films. ISSN: 0022-0248	J. Crystal Growth	100 (1990) 281-285	Yes	1.698	8	1.16 5	0.77 2	
25	Acceptor action of thallium and antimony in Pb _{0.8} Sn _{0.2} Te films ISSN : 0261-8028	J. Materials Science Letters	8 (1989) 1300-1301	Yes	--	--	---	--	
26	Growth of Zinc Selenide thin films.	J. Mater. Science	8 (1989)	Yes	--	12	--	--	

	ISSN : 0261-8028	Letters	561-562						
27	Effect of hydrogenproperties of SnO ₂ thin Films. ISSN : 0167-577X	Materials Letters	6 (1988) 149-151	Yes	2.489	6	1.26 8	0.85 0	
28	Effect of hydrogen annealingthin Films. ISSN: 0022- 3697	J. Phys. Chem.Sol ids	49 (1988) 112-114	Yes	1.853	-	1.01 0	0.63 2	

Dr. Neelam Phawa

H-index of the author										
TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citatio n Index	SNIP	SJR	Name of International Database in which publication listed	
1. Micro-Raman and UV- vis Studies of 100 MeV Ni ⁴⁺ Irradiated Cadmium Telluride Thin Films	J.Nano Electron Phys 3	(2011) No.1, P. 414-417;	2077- 6772							
2. Structure and Surface Analysis of SHI Irradiated Thin Films Of Cadmium Telluride	J.Nano Electron Phys 4	(2012). 03003-1 -4	2077- 6772							

Dr. Parvesh

H-index of the author										
3										
TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citatio n Index	SNIP	SJR	Name of International Database in which publication listed	
1. Investigation, analysis and modeling of fully strained and partially relaxed lattice mismatched AlGa _N /Ga _N HEMT	Super Lattices and Microstru ctures	2008, pp.781- 793	0749- 6036	Yes	2.097	4	1.0	.59		
2. A Compact C-V Model For Frequency Applications	Microelec tronics journal	2007 p.no.848 -853	0026- 2692	yes	0.836	14	0.8 84	0.3 75		
3. Polarization Dependent Analysis of AlGa _N /Ga _N HEMT for High Power Applications	Solid State Electronic s,	2007 p.no130- 135	0038- 1101	Yes	1.504	5	1.0 40	0.6 58		

4. High Temperature Modeling of IGaN/GaNHEMT For Microwave Power Switching Applications	ISMOT	2009/p.n o.217-518	978-0230-32846-4	yes					
5. 2-Dimensional..... Frequency Applications	IsDRS - 2007	2007 p.no. 1-2	978-1-4244-1892-3	Yes					
6. Analytical Approach for High Temperature Analysis of AlGaIn/GaN HEMT	Microwave, Conference-2008	2008,p.n 25-728	978-1-4244-2690-4444	Yes					
7. Capacitance modeling of 120nmAlGaIn/GaN HEMT for Microwave and High Speed Circuit Application	APMC-2008/	2008 p.no2063-2066	978-1-4244-2691	Yes		1			
8. Effect of Temperature on Current Voltage Characteristics of Lattice Mismatched AlInGa1-mN/GaN HEMTs	17th APMC 2005	2005//p.no1554-1557	07803-9433	Yes					

Dr. Seema Rani

H-index of the author		4							
TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Mechanism of charge recombination and IPCE in ZnO dye-sensitized solar cells having I-/I3- and Br-/Br3- redox couple.	Progress In Photovoltaics: Research And Applications.	Page: 180-186, Vol.- 19 Year-2010	1099-159X	Yes	7.584	16		.	
2. Synthesis of nanocrystalline ZnO powder via sol-gel route for dye-sensitized solar cells.	Solar Energy Materials & Solar Cells	Pages:1639-1645 Vol.- 92 Year-2008	0927-0248	Yes	5.337	240	2.358	2.084	
3. Development of a dye with broadband absorbance in visible spectrum for an efficient dye sensitized solar cell.	Renewable And Sustainable Energy	043103-1:8, Vol.- 2 Year-2010	ISSN: 1941-7012	Yes	1.149	22			

4. Enhancement of photovoltaic performance of quasi-solid state dye sensitized solar cell with dispersion of a hole conducting agent.	Material Science – Poland	Page: 281-294, Vol.- 28, No.-1, 2010	0137-1339	Yes	0.519	1			
5. ZnO solid-state dye sensitized solar cells using composite electrolyte of P3HT and carbon nanotubes.	J of Renewable And Sustainable Energy	Pages:03 3109-1:12, Vol.- 1 2009	ISSN: 1941-7012	Yes	1.149	16			
6. Dye Sensitized Solar Cells: State-of-the-art	Invertis J of Science Technolgy	205-268Vol.- 2, 2009	ISSN: 0973-8940						

Books Written/Edited Books

Title of the Book (s)	Publication Type	Book ISSN /ISBN No.	Publisher (city/country) & Year of Publication
Dr.N.K.Jain Women Empowerment Through Renovation and Rejuvenation of Education system	Edited Book	978-81-929634-2-6	Authors Pride Publishers Private Limited 2015
Dr. P.K. Shishodia Zinc Oxide Materials and Devices	Edited Book	81-8274-268-4	Pentagon Press, 2006)

EVALUATIVE REPORT OF THE DEPARTMENT OF ENGLISH

1. Name of the Department: ENGLISH

2. Year of Establishment: 1948

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

- i. B.A.(H) English
- ii. M.A. English (Tutorials)

4. Names of Interdisciplinary courses and the departments/units involved

- Generic Elective (All Honours courses)
- English Discipline (BA Programme)
- Advanced English (BA Programme)
- Ability Enhancement Elective Course (All departments)

5. Annual/ semester/choice based credit system (programme wise)

Name of Course	System of Syllabus
B.A.(H) English 1 st Year	Choice Based Credit System
B.A.(H) English 2 nd & 3 rd Year	Semester System

6. Participation of the department in the courses offered by other departments

- English A and English B- B.Com Honours
- AECC- All Science and Humanities Courses
- Generic Elective- All Honours courses

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	08	08
Assistant Professors	07	04 (Permanent) ; 01 (Temporary) 02 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Ms. Rashmi Govind	M.Phil	Associate Professor	History of Ideas, Linguistics, Marxist Literature	42 Years	

Dr. Bodh Prakash	M.Phil, PhD	Associate Professor	Partition Narratives, Modernism	31 Years	
Dr. Rana Sami	M.Phil, PhD	Associate Professor	18 th century Literature, Victorian Novel	30 Years	5
Dr. Vibha Singh Chauhan	M.Phil, PhD, LLB, M.Ed.	Associate Professor	Translation Studies, Folk Literature, Comparative Literature	31 Years	1
Ms. Naghma Zafir	MPhil	Associate Professor	Indian English Poetry, English Language Teaching, Modern European Drama, Translation Studies	30 Years	1
Dr. Anuradha Marwah	M.Phil, PhD	Associate Professor	Gender and Literature, Creative Writing, Contemporary Indian Fiction	28 Years	
Dr. Mukul Chaturvedi	M.Phil, PhD	Associate Professor	Women's Life Writing and Autobiography, Oral Narratives	20 Years	
Dr. Kishore Kumar Das	M.Phil, PhD	Associate Professor	Renaissance Literature, Victorian Poetry	18 Years	
Ms. Shraddha Adityavir Singh	M.Phil	Assistant Professor	Canadian Studies, Literary Theory, Contemporary Literature, Gender Studies	10 Years	
Dr. Namrata Chaturvedi	M.Phil, PhD	Assistant Professor	Sanskrit Aesthetics, Religious Literature, Elizabethan and Jacobean Poetry	11 Years	
Ms. Tanya Lahon Warjri	MA	Assistant Professor	Renaissance Drama, African American Literature, Folklore and Folkloristics	3 Years	
Mr. Abdul Hameed P.A	MPhil	Assistant Professor	Romantic Poetry, Translation Studies, Comparative Literature, Postcolonial Studies, Sufi Narratives	3 Years	
Mr. Mohd. Afzal (Temporary)	MPhil	Assistant Professor	Modern Indian Novel, 17 th century poetry, 19 th century British Literature	9 Years	
Dr. Ruchi Singh (Adhoc)	PhD	Assistant Professor	Archetypal Criticism, Indian Diaspora, Dalit Literature	7 Years	
Ms. Manju Singh (Adhoc)	MPhil	Assistant Professor	Postcolonial Studies, Women's Writing	2 Years	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

- B.A. (Hons): (35%) and B.A. (Prog): (23%)

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 15 Students/Teacher (15:1)
- B.Sc. (Prog): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Teaching Faculty
M.Phil. + PhD	7
PhD	1
M.A.	1
M.Phil.	6

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

- Innovation Project ZH 101 awarded by DU 2012-2013, Feasibility studies to improve quality of living and development of low cost efficient techniques to purify potable water: Case study with reference to villages of Ajmer, Faculty Coordinators: Dr Swati Arora (Physics), Dr. Samta Goyal (Chemistry), Dr. Anuradha Marwah (English) and Dr. Mohammed Fahim (Physics)
- Theatre Project against gender based violence in Delhi, Jammu, Chennai and Mumbai, 'See Something, Say Something' supported by American Center New Delhi, 2014-2015 (Conceptualized and Coordinated for SPYM, New Delhi- Anuradha Marwah)
- Education and Development of Adolescents in Arain Block in 90 villages of Ajmer, supported by Sir Dorabji Tata Trust, Mumbai. 2006-2015. (As Secretary, Ajmer Adult Education Association, Ajmer -Anuradha Marwah)
- Small Study Grant titled 'Gods People Make' sponsored by Nehru Cambridge Trust (Coordinator-Vibha S Chauhan).
- International Council for Canadian Studies (ICCS) Project *Managing Diversity: Oral Cultures as resource in Indigenous communities in Canada and India* in partnership with University of British Columbia (UBC), Vancouver Aug 2009 – Oct 2010. (Researcher: Shraddha A. Singh)

18. Research Centre /facility recognized by the University: NIL

19. PUBLICATIONS: (See Annexure-I)

Name of the Faculty	Books	Monographs	Papers in Peer Reviewed Journals		Chapters	Publications	Books Edited	Books
			National	International				
Rashmi Govind	1	0	0	0	7			1
Bodh Prakash	1		1	1	3			1

Rana Sami	1							1
Vibha Chauhan	6	1	2	2	10		2	6
Naghma Zafir	1		1	1				1
Anuradha Marwah	5			4	8			5
Mukul Chaturvedi		1		1	1			1
Kishore Kumar Das	2		27	1				2
Shraddha Adityavir Singh				1	3			
Namrata Chaturvedi	1		9	1	7			1
Abdullah Hamid	1		1	1	1			1
Tanya Wajri								
Mohd. Afzal				2				
Ruchi Singh	2			2	5			2

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....

National committees

Vibha S. Chauhan

- Member, Indian Association of Commonwealth Literature and Language Studies.
- Member, Maithili Bhojpuri Akademi, Delhi Government (From 2008-2012)
- Member, Governing Body, Khalsa College, Amritsar.
- Expert, UPSC

Mukul Chaturvedi

- Member, Indian Association for Commonwealth Literature and Language Studies

Kishore Kumar Das

- Member, Indian Association for English Studies

Shraddha A. Singh

- *FORTELL* (Forum for Teachers of English Language and Literature), New Delhi, India

Abdul Hameed P. A.

- Comparative Literature Association of India, Kolkata Chapter

International Committees

Vibha S. Chauhan

- Member, panel for selection for Rhodes Scholarships
- Member, panel for selection for Inlaks Scholarships
- Member, panel for selection for Felix Scholarships

Mukul Chaturvedi

- Member, Latin American Studies Association
- Member, Steering Committee On Global conference on Testimony and Trauma, Mansfield College, University of Oxford, 2015

Shraddha A. Singh

- British Association for Canadian Studies, London, United Kingdom

Abdul Hameed P.A.

- International Comparative Literature Association, New York, United States of America

Editorial Boards

Anuradha Marwah

- Guest Editor of *Illuminati: A Transnational Journal of Literature, Language, and Culture Studies* vol 4- 2013-14

Shraddha A. Singh

- Part of the Editorial Committee of Forum for Teachers of English Language and Literature (*FORTELL*), New Delhi from April 2010 – April 2011.

22. Student projects

- a) **Percentage of students who have done in-house projects including inter departmental/programme:** NIL
- b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:** No Record

23. Awards / Recognitions received by faculty and students

Faculty

Anuradha Marwah

- Selected Visiting Writer 2001 by Charles Wallace India Trust for three UK Universities – Stirling, Kent, and Warwick. February to April 2001
- The play ‘A Pipe Dream in Delhi’ presented by Ricksteatern Actors at the Women Playwrights’ International Conference on 12 August 2012
- The Novel *Idol Love* taught in PhD classes at the University of Iowa, including Postcolonial Women’s Writing Contemporary South Asian Women’s Fiction, and in a graduate seminar on secularism and religious violence

Shraddha A Singh

- Canadian Commonwealth Fellowship: The Canadian Bureau for International Education, on behalf of the Department of Foreign Affairs and International Trade under the Graduate Student’s Exchange Program awarded a six month fellowship to pursue research work for the MPhil Individually Supervised Essay at Concordia University, Montreal, Quebec (March 2008 – Aug 2008).

Mukul Chaturvedi

- IUAC Associate, at the Indian Institute of Advanced Studies, Shimla (2010-2012) (first spell 1st may-31st may 2010)

Kishore Kumar Das

- Fulbright Doctoral and Professional Research Fellowship, USEFI (25/9/2008)

24. List of eminent academicians and scientists / visitors to the department

- H.S.Shivaprakash (Prof. School of Arts and Aesthetics, JNU)
- Urvashi Butalia (Publisher, Zubaan)
- Bapsi Sidhwa (Novelist)
- C.S.Lakshmi ‘Ambai’ (Writer)
- Gautam Chakravarty,(Associate Professor, Department of English, DU)
- Margarit Pernau (Academician)
- Aruna Chakravarty (Novelist and Academician)
- Nirmalaya Samanta (Documentary Film Maker and Academician)

- Malashri Lal (Dean, Academic Affairs, DU)
- Sharmishtha Lahiri (Retd. Prof. of Italian, DU)
- Githa Hariharan (Writer)
- R.W.Desai (Retd. Prof. English, DU)
- Ramashray Sharma (Sanskrit Scholar)
- GJV Prasad (Prof. English, Director JNIAS, JNU)
- Sami Ahmad Khan (Documentary Film Maker and Novelist)
- Professor Valerie Miner, Feminist, Gender and Sexuality Studies, English Department, Clayman Institute, Stanford University

25. Seminars/ Conferences/Workshops organized & the source of funding

National:

- Conference on “Contemporary Trends in World Literature”, 1 November 2011 funded by SIFE (Sankalp International Foundation of Education), USEFI (United States Education Foundation of India) and Zakir Husain Delhi College.
- National Students Seminar on “The English Sonnet: Evolutions and Traditions”, 29 February 2016, funded by the college and co-funded by publishing houses.
- Seminar on “Re-Viewing The Epic”, 6-7 February 2001, funded by Zakir Husain Delhi College.

International:

- Seminar on “Cultural Diversity in South Asia: Literary Confluence and Divergence”, 27-28 February 2007, funded by Asia Project IIC, UGC, ICCR, CIL and Sahitya Akademi.
- 'Pedagogy of Creative Writing' on 17 Feb 2007 Professor Valerie Miner, Feminist, Gender and Sexuality Studies, English Department, Clayman Institute, Stanford University.

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.A. (H) English		30	15	15	100%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
BA (H) English II Sem	21.73	78.26	0.0
BA (H) English IV Sem	35.48	64.51	0.0
BA (H) English VI Sem	56.86	43.13	0.0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : No Records

29. Student progression

Student progression	Against % enrolled
UG to PG	50
PG to M.Phil.	No records
PG to Ph.D.	No records
Ph.D. to Post-Doctoral	No records
Employed	No records
• Campus selection	No records
• Other than campus recruitment	
Entrepreneurship/Self-employment	No records

30. Details of Infrastructural facilities

- i. **Library:** The Department of English has its own small library with focused studies on the curriculum.
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** No ICT classrooms are available, but AV room and Seminar room are available for teaching learning process.
- iv. **Laboratories:** NIL

31. Number of students receiving financial assistance from college, university, government or other agencies: Data not available

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- Extension lecture by Gautam Chakravarty (Associate Professor of English, DU), October 2015.
- Key note address by Sharmishtha Lahiri (Retd. Prof. of Italian, DU) on ‘The Sonnet upto Petrarch’, February 2016
- Student seminar on ‘The English Sonnet: Evolutions and Traditions’, 2016
- Workshop on Creative Writing by Sami Ahmed Khan (Novelist), March 2016
- Extension Lecture on Mahabharata by Ramashraya Sharma (Sanskrit Scholar), 2014.
- Extension lecture on Modernism by Sanjay Kumar (Associate Prof. of English, Hansraj College, DU), 2012
- Extension lecture on Amitav Ghosh Shadow Lines by Ms. Garima Yadav (Asst. Prof. of English, Shaheed Bhagat College, DU), 2011
- One day “Film Studies” workshop by Dr. Nirmalya Samanta (Associate Professor, Ramanujan College, DU), September 2011.
- Special lecture on Partition and Literature by Githa Hariharan (writer), 2010.

33. Teaching methods adopted to improve student learning

- The Department of English has recently started an interactive portal

www.zhdcenglishdepartment.blogspot.in with the intention to archive information pertaining to curriculum and pedagogy. This is a space with links to popular and critical articles, papers and book reviews. This is an attempt to take teaching and research beyond the classroom.

- Faculty members regularly include screening of films and documentaries to compliment the textual readings. Occasionally, PPTs and audio-visual aids in the form of podcasts and lectures are shared with the students.
- As a means to carry out practical exercises, students were asked to interview three generations of their family members across gender. They were required to arrive at an understanding of differences in social, educational and cultural factors across gender and also note changes, if any, down the generations with time.
- Another exercise included a class project on translation which was held for BA (P) II semester and first year English (Hons.) students. Texts from regional languages were translated and it was at once a challenging as well as a rewarding experience as they could transfer their translations, their cultural specificities and the USP of their mother tongues. There were some excellent translations from Manipuri, Bengali and Assamese.
- Furthermore, as a part of continuous evaluation, students are required to make presentations, encouraged to visit libraries and theatre performances.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The department has been running English proficiency classes for female students of Zakir Husain Delhi College. In the past, the department had also conducted English classes for students of neighbouring areas.

35. SWOC analysis of the department and Future plans

Strengths

- Translation studies and translations from and into languages as diverse English, Hindi, Urdu, Arabimalyalam, Persian, Bhojpuri, Maithili, Khasi, Nepali.
- Diverse areas of expertise ranging from Sanskrit literature to Contemporary world literature and literary theories.
- Creative writing and theatre with faculty members as creative writers and theatre practitioners.
- Annual Newsletter, annual students seminar and department portal for academic and research activities

Weaknesses

- Lack of infrastructure in terms of access to space such as language labs, faculty rooms for contact hours, department library and department room.
- Paucity of funds for hosting scholars in residence.

Opportunities

- Provide opportunities to engage first generation learners in Workshops and Seminars where they can learn outside the classroom.

- As the College offers an array of languages, it allows for a wider exchange of different literary cultures and translations across languages.

Challenges

- To help make first generation English language learners literate as their language skills are limited.
- Improving communication and writing skills.
- To familiarize students with foreign cultures and history.

Future Plans

- Upgradation of department library
- Initiating a proposal for UGC SAP I

Annexure-I

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---. "He Refused to Stitch Me Hot Pants", *The Times of India*, Nov. 27, 1989.

---. "Opening New Vistas" *Rashtriya Sahara*, January 2000.

---. "Saccharine Edges. Opinion." *Outlook* 14 Oct. 2013 (on Jhumpa Lahiri and the Man Booker Award).

---. "The Artist of Life", *The Times of India*, November 10, 1987.

---. "The Great Escape", *The Indian Express*, January 12, 1988.

---. "The Perils of Using Macaulay as a Genetic Explanation", *The Times of India*, June 11, 1990.

---. "The Politics of being Bharati Mukherjee", *The Statesman*, February 16, 1990.

---. "Today in the Bus." *The Hindustan Times*, May 4, 1986.

---. "The Activist vs. Sunflowers: Writing Fifty". *Shaping the World: Women Writers on Themselves*. Ed. Manju Kapur. Hay House India, 2014.

Creative Writings

Chauhan, Vibha S. "Abortion" and the 'Line of Clothes' in Nagueyalti Warren. Ed. *Temba Tupu: Walking Naked*. Trenton: Africa World Press. Inc., 2008. (1-59221-240-9). Poems

---. "Birah" in the Bhojpuri journal *Parichan*. Poem.

---. *Ganga Jamuna Beech*. Delhi: Aalekh Prakashan, 2007 (ISBN: 81-8187 1441-8). Novel in Hindi.

Hameed, Abdullah Abdul. "The Battle of Thieves" (Short Story), *Muse India*, Issue 47, Jan-Feb 2013.

Marwah, Anuradha.

---. "Untitled". In *their Own Voice: The Penguin Anthology of Contemporary Women Poets*. Ed. Arlene Zide. New Delhi: Penguin, 1993. Print. ISBN: 0140156437

---. "Waiting" and "The Guru", *Delhi London Poetry Quarterly*, ed. Gopi Warrier. London, October 1986.

---. "A Pipe Dream in Delhi: A One Act Play in English", *Postcolonial Text* Vol. 7, No 3, 2012. Open Humanities Press.

---. "A Second Chance". *South Asian Review*. Vol. 30, No.3, 2009

---. "An Odd Coup*le", *The Patriot*, April 6, 1986.

---. "I Will, I Won't", *Femina*, Sept.23 to Oct.1, 1984.

---. "Lifework" *A Storehouse of Tales: Contemporary Indian Women Writers* ed. Jahanara Wasi (New Delhi, Srishti Publishers, 2001)

---. "Mature Learner". *Muse India*. Issue 29, Jan-Feb.2010.

---. "The Installation Artist", *Journal of Literature Studies*. January 2015

---. "Untitled" In *Their Own Voice: The Penguin Anthology of Contemporary Indian Women Poets*. ed. Arlene Zide (New Delhi, Penguin Books, 1993)

---. "Waiting", *Woman's Era*, November (First), 1979.

---. "Why", *Woman's Era*, July (Second), 1979.

Creative Accomplishments

Chaturvedi, Namrata: *Scripted and directed an adaptation of O. Henry's 'The Last Leaf' for students of Sherubtse College, Bhutan, March 2007.*

Marwah, Anuradha

Play-scripts (Performed)

1. 'Margins' (2008). pandies' theatre. Delhi, Bangalore, Kanpur, Ajmer.
2. 'Danger Zones' (2009). pandies theatre. Delhi and Bangalore
3. 'Sarkari Feminism' (2010). pandies theatre. Delhi, Bolangir (Orissa) and Ajmer. Also performed at UGC Capacity Building Workshop for Women Managers in Higher Education. Dyal Singh College, Delhi University. 3-7 January 2012. Invited to Women's Studies and Development Cell, South Campus, Delhi University, January 2013.
4. 'Crooked Kala(a)m: Ismat Chughtai (2016) pandies' theatre. Four shows in Delhi. Invited by ILL and Hansraj College, Delhi University.

Singh, Shraddha A.

- Organised and participated in the Commonwealth Writer's Workshop held at South Campus, University of Delhi on April 7, 2010.
- Invited to read poems at a Poetry Colloquium at Swami Shraddhanand College on March 4, 2010.
- Invited to judge, and read at, the inter-college poetry competition at Kirori Mal College, University of Delhi on December 14, 2009.
- Responsible for organising the activities of the English Literary Society, Arts Faculty, South Campus, University of Delhi since July 2009.
- Invited to present poems and participate at a poetry workshop at South Campus with poet SudeepSen, University of Delhi on August 24, 2009.
- Judged the Delhi Zonal level Poetry Recitation Competition (Senior and Junior Boys and Girls) for East Zone organized by CBSE in 2006 and 2007.

Zafir, Nagma.

- Directed several plays at College level
- Directed "Shee ke Khilone" an adaptation of Tennessee William's *Glass Menagerie*, for Urdu Drama Festival organized by Urdu Academy, Delhi, 1999.
- Directed "Jangali Jaanwar" an adaptation of *Brute* by Anton Chekhov for Urdu Academy Drama Festival, 2000.
- Directed "Hum Aur Who" a translation of David Campton's *Us and Them* for V.V. Karanth Inter-College Drama Competition, 2003. (College won Best Actor Award and Special Mention for Costumes)

Papers presented at Conferences/Seminars:

Afzal, Mohammed.

1. "Women's Education and the Construction of a New Muslim Woman in Late Nineteenth Century India" in the International Conference on Asian Studies 2012, Negombo, Sri Lanka.
2. "Nazir Ahmad's Educational Novels: A New Moral Pedagogy" in the 41st Annual Conference on South Asia, October, 2012 hosted by Center for South Asia, University of Wisconsin-Madison, USA.
3. "The Religious Thoughts of Nazir Ahmed" in National Seminar on "Deputy Nazeer Ahmad: Life and Works" 15-16 April 2013, organized by Department of Urdu, Zakir Husain Delhi College, University of Delhi in collaboration with National Council for the Promotion of Urdu Language & Indian Council of Historical Research.
4. "Education and Reform in the Early Urdu Novel", in Muslim South Asia Conference, October-28, 2013, School of Oriental and African Studies, University of London.
5. "Colonial Rationality, Islamic Reform, and Crisis of the Self" in the Graduate Research Conference The Self in South Asia, to be held from 17, April 2014 to 19, April 2014, organized by The University of Chicago, USA.
6. Speaker at "Translation Projects in the English Department", organised by the Centre for Dalit Studies (CDS), in association with the Centre for Academic Translation and Archiving, 21st March, 2016.
7. Speaker at "Language, Literature, Identity" in Indian Languages: The Changing Landscapes. 23rd April, 2016.

Chaturvedi, Mukul.

1. "Witnessing History: The Social Significance and Politics of Testimonial Narratives" in an International Conference in Pune "Empowering Women Through Information and Knowledge: From Oral Traditions to ICT" organized by SNDT, Mumbai and CWDS, Delhi(May, 2003)
2. "Disability, Motherhood and Sexuality" in 4th Global Conference - Storytelling: Global Reflections on Narrative, in Prague, Czech Republic, Tuesday 21st May to Friday 24th May 2013 organized by Inter-Disciplinary. Net, Priory House, 149B Wroslyn Road, Freeland, Oxfordshire OX29 8HR

3. "Ethical Witnessing : The Poetics and Politics of Testimony" in 1st Global conference, Testimony:Memory,Trauma,Truth,Engagementin , JuLy 29th-31st July 2014 at Mansfield College, University of Oxford, organised by Inter-Disciplinary. Net, Priory House,149BWroslyn Road, Freeland, Oxfordshire OX29 8HR.
4. "Critical Encounters: Teaching Theory" in an International Seminar , *Theorizing Today—25 Years Later* organized by Forum on Contemporary Theory in collaboration with The Department of Political Science, The Maharaja Sayajirao University of Baroda, Vadodara, India, 10th -11thFebruary, 2014.
5. "Testimonial Discourse and the Crises of Representation" in a conference titled " Living to tell the Tale : Testimonio as Subaltern Voice in India and Latin America organized by JamiaMiliaIslamia(March 2007)
6. "Remembering and Forgetting the Dirty War in Argentina: A study of Jo Fisher's , Mothers of the Disappeared and Alicia Partnoy's The Little School : Tales of Disappearance and Survival at IIAS, Shimla 2010
7. "Who is speaking thus? Ethics of Representation in Oral History Narrative" in an UGC sponsored national Seminar in collaboration with the Department of English, University of Delhi, *Intersections: History and Literature*, organized by The Department of English,& Delhi college of Arts and Commerce, University of Delhi, 11th-12th March 2014.
8. "Moving Testimony: India's Daughter and Transnational Witnessing Publics" a at IACLALS Annual conference(January22-24,2016) " Right to Write: The Culture of Literary Controversies and Controversial Literatures," co hosted by Department of English , Kakatiya University, Warangal, Telengana.

Chaturvedi, Namrata.

1. Presented a paper titled 'A comparative reading of Tristan and Isolde and Sohni-Mahiwal' at the seminar titled 'Irish Literature: Indian Connection' organized by the Centre of Linguistics and English, JNU and UGC-Special Assistance Programme, February 2006.
2. Presented a paper titled 'Imaginary Homelands and the Excesses of Imagination: Trivialization of history in Kiran Desai's *Inheritance of Loss*' at the UGC national seminar titled 'Interrogating the Nation: The Legacy of Rushdie in the Indian English Novel' organized by the Department of English, Kurseong College, Darjeeling, Aug 9-10, 2007.
3. Presented a paper titled 'The Absolute in Indian Aesthetics: Anandavardhana and Abhinavagupta' at the UGC National seminar titled 'Dimensions of the Absolute: Indian Scenario' organized by the Department of Philosophy, Zakir Husain Delhi College, March 22-23, 2012.
4. Presented a paper titled 'Reading W.B Yeats's 'Among Schoolchildren' through Abhinavagupta's *pratibhijna*' at the 2015 International Conference on 'W.B Yeats: Poetics and the Individual Talent', Hanyang University, Seoul, South Korea, September 12-13, 2015.
5. Presented a paper titled 'Inter-faith Dialogue: The Mysticism of Ramon Panikkar' at ICPR National Seminar on Contemporary Indian Thinkers organized by the Department of Philosophy, University of Delhi, 13-15th March 2016.

Chauhan, Vibha S.

1. Workshop on *People's Linguistic Survey of India* at IGNOU, New Delhi
2. IIASA Conference '07 Global Development: Science and Policies for the Future, Vienna, Austria.
3. Reading from 'The Word and the World-Reading from my novel *Ganga Jamuna Beech*, at India International Centre, New Delhi. 19 April 2007.
4. Revisiting Cultural Cartographies of Indian Languages' Kishangarh, Rajasthan.
5. Bhasha Confluence at ground zero.
6. In conversation with Amir Or and Sudeep Sen, authors of a bi-lingual Hebrew-English book *Logos*, in presence of The Ambassador of Israel, Daniel Carmon on Nov 10, 2014at India Habitat Centre, New Delhi.
7. *In Search of Freedom: Journeys Through India and South-East Asia-* Interviewing the author Sagari Chhabra at India International Centre, New Delhi on 19 October 2015.
8. Spaces of Conflict and Consent: Colonial, Cultural and Personal Encounters in literature in India. Goa.
9. Attended on invitation – 'Ghuman Bahubhasha Sahitya Sammela' 2016.
10. 'Spaces of conflict and consent: Colonial, personal and cultural encounters in literature in India'
11. 'Shifting spaces of fantasy, control and wealth: Narratives of G.B. Road and the socio-economic milieu in Delhi'
12. Come friends, let's create a new sun: De-notified communities and protest in Hindi novels, theatre and poetry.'
13. Recreating the oral: Digital recording and Grierson's Linguistic Survey of India
14. Adrift between aesthetics of the progressive, obscenity and despair: The case of *Angarey*, Manto's stories and the legal embargo.'

15. 'The Curse of Statelessness' at Department of Germanic and Romance Studies, University of Delhi on 4 March 2016.
16. 'Shifting Autonomies: Writers as Translators/Translators as Writers.' *In Search of Freedom: Journeys through India and South-East Asia*, Interviewing the author.
17. The Word and the World- Reading from my novel *Ganga Jamuna Beech Samvad 2015: The threatened Tribal Languages*
18. 'Recreating the oral: Digital recordings and Grierson's *Linguistic Survey of India*.' Interviewer for the programme *Kitabnama*, Doordarshan Kendra, New Delhi.

Das, Kishore Kumar.

1. Outsider And Insider: Interrogating The Representation Of The Margins World Literature R.T.U Kota, India
2. Major Trends In Achebe Criticism Postcolonial Literature G.K.V Haridwar
3. Illeteracy And Poverty In India General Themes Shivaji University Kolhapur National
4. Revisiting The Issue Of Privatization In The Context Of Economic Growth In India Emerging Global Economic Scenario: Asia And India K.U. Kurukshetra
5. Evaluating The Functioning Of Price Distribution System In The District Of Darbhanga Problem Of Food Security In India: Challenges And Prospects L.B.S Pg College, Mugalsaray
6. Critiquing The Emotive Leadership And Its Impact On The Organizational Behaviour General Themes Kiit University, Bhubaneswar
7. Analysing The Failure Of National Employment Schemes In India General Themes Rmla University, Faizabad
8. Critiquing The Failure Of Poverty Alleviation Programmes In India General Themes Mangalayatan University, Aligarh
9. Learning The Art Of Communication: A Psychological Scrutiny Of The Dialogues Of Shakespeare's Villains. The Plays Of Shakespeare And Developing Communication Skills Rajendra College, Chapra
10. Reviewing The Effectiveness Of Mgnrega In The Villages Of North Bihar Mgnrega And Gender Equity Iipa, New Delhi
11. Global Recession And Mass Unemployment Global Recession And Its Impact On Indian Economy D S College, Aligarh National
12. Revisiting Rural Development Programmes In India General Themes National Pg College, Lucknow
13. Contemporary Trends In African Literature World Literature Zhdc, New Delhi

Hameed, Abdullah Abdul.

1. Presented paper titled "Comparative Literature and the 21st Century Academic Market in South India: Challenges of Pedagogy, Practice, and Profession" in the international conference of CLAI at Jadavpur University, Kolkata – January 2013.
2. Presented paper titled "Mappila Literature from Bhakti to Feminism: Facets of Resistance, Counter Aesthetics, and Construction of Identity" in the international conference at Central University of Kerala, Kasaragod – October 2012.
3. Presented paper titled "Nathuram Godse in Perspectives: The Cult of an Assassin in the Indian English Writings" in the international conference at St. Andrews College, Bandra, Mumbai – September 2012.
4. Presented paper titled "The Dynamic Image of Ardhanareeshwara: Mahatma Gandhi as a Figure of Convergence of the Feminine Principle and Female Emancipation" in the international conference 'Gandhirama' at Jawaharlal Nehru University, New Delhi – August 2012.
5. Presented paper titled "'Englishing' or 'englishing' Dalits: The Question of Language as a Tool for Liberation" in the national seminar at Pondicherry University, Puducherry – March 2011.
6. Presented paper titled "Linguistic Interfaces and Inter-Literary Relationships: Rethinking Arabimalayalam" in the international conference of CLAI at Central University of Gujarat – March 2011.
7. Presented paper titled "The Dimensions of Popularity: Māppilappattu as Popular Lyric" in the national students' seminar at Jadavpur University, Kolkata – December 2010.

Marwah, Anuradha.

1. 'The Strange Case of Mohun Biswas'. On V.S. Naipaul's *A House for Mr. Biswas* Miranda House, Delhi, 1988. (Published.)
2. Participated in the English Writers Workshop on Gender Based Censorship Jan. 11,12 &13, 2001 at Sanskriti Kendra, Anandgram, New Delhi (Published)
3. "Modern Indian Women and Tradition": A paper in IAS, Shimla on 21.11.2001
4. "Transnational Transactions and the Indian Woman: the Case of Jhumpa Lahiri" at the Joint Conference on "Migration, Border, and the Nation-State" co-hosted by Texas Tech University Comparative Literature

- Program and the United States Association for Commonwealth Literatures and Languages Studies at Texas Tech University, Lubbock, Texas, U.S.A. from April 9 to 11, 2009.
5. "Combating Violence against Women". National Conference organised via AAEA in Patel Indoor Stadium, Ajmer. 19-20 February 2010.
 6. Organized Capacity Building Workshop on Inclusivity in Education and Development for 24 field workers in Ajmer from 1-7 March 2012
 7. "Marketing Authentic India in the Time of Globalization: From Arundhati Roy to Jhumpa Lahiri". '26th Annual MELUS Conference and 8th Conference of the USACLACS' in Fairmont Hotel, San Jose (hosted by Santa Clara University April 19-22, 2012) April 19-22, 2012.
 8. "Translating India/Writing America: The Fictions of Jhumpa Lahiri at "Immigrants and Civil Society – 16th Nordic Migration Research Conference and 9 ETMU Days" hosted by University of Turku, Finland from 13-15 August, 2012.
 9. "A Pipe Dream in Delhi". Introduction to my play selected at the Women Playwrights International Conference, Stockholm, Sweden from 15-20 August 2012.
 10. "Outperforming Development Paradigms: Workshop Theatre in the Program for Education and Developments of Adolescents in Arain Block, Ajmer" at 'Performing the World 2012: Can Performance Save the World' hosted by East Side Institute, New York. 4-7 October 2012.
 11. "Being a Writer: Now and Then" at 'Aaj ka Samvaad: Four Decades of JNU' organized by the JNU Alumni Association on 31 October 2012
 12. Conceptualised the play SEVEN about Farida Azizi -Afghanistan, Inez McCormack- Ireland, Marina Piskalokava Parker - Russia, Annabella de Leon- Guatemala, Mukhtar Mai- Pakistan, Mu Sochua- Cambodia, and Hafsat Abiola- Nigeria by seven women playwrights for performance in New Delhi for the Women's International Networking Conference on 23 Feb. 2013 (collab. Hedda Krosz, National Touring Theatre, Sweden)
 13. "From Salman Rushdie to Arundhati Roy: Continuity and Change in the Indian Novel in English" at the International Conference on "Salman Rushdie in the 21st Century: "Swallowing a World". University of Lisbon. 6-9 November 2013.
 14. "Interrogating Jhumpa Lahiri's Universalism" . IACLALS Annual Conference 2014 "Migrations, Borders, and the Postcolonial". Co-hosted by Panjab University in Chandigarh. 20-22 Feb. 2014

Prakash, Bodh.

1. "The Absence of the Communal Divide in Punjabi and Urdu Fiction" at the National Seminar on Trends in Modern Historiography on Punjab on 2nd December, 2006.
2. "Literature and Partition" at the conference The Independence of India and Pakistan: Sixtieth Anniversary Reflections, 17th to 20th July 2007 at the University of Southampton, U. K.
3. "Partition and Reconfiguring the Family" at the workshop "Disturbing the Family" organized jointly by ASC, JNU and NMMI on 15th – 16th April 2009. (*To be published shortly*).
4. Presented paper on "Partition Literature and Communalism Today" at University of Kashmir, Srinagar on 26th October, 2009.
5. Participated in panel discussion on 'Memories of Partition' at Jammu University on 16th August, 2010.
6. Presented paper "Creative writing on Partition and Social Scientists: Some Methodological Issues" at the seminar "Partition and the Writing of History" at the University of Mangalore, 16th September, 2010.
7. Presented paper on "Cultural Diversity in India: Literary Traditions and Linguistic Plurality" an International Seminar organized by Jawaharlal Nehru Institute of Advanced Study (JNIAS), JNU in collaboration with Texas A and M university, USA at JNIAS, on 5 Jan., 2011.
8. Presented paper "From Nehru to Benegal: Recreations of the *Mahabharata*" at "Jaya: Living Traditions of the Mahabharata", an international conference organized by the IGNSA, New Delhi on 10th February, 2011. *To be published shortly*.
9. Presented paper "Sufi and Bhakti Literary Traditions and their Relevance Today" at the inaugural function of the Maulana Azad Memorial Chair at the University of Calicut on 22nd February, 2011.
10. "Ideology and Aesthetic in Fictional Narratives of Partition" Conférence, 29 June 2011, Maison des Sciences de l'Homme, Paris.
11. Presented paper "Memory, Nostalgia, and Identity in Narratives of India's Partition" at Department of English, University of Strasbourg, France, on 13th April, 2012.
12. Memory and the (Re)Making of the Self in Partition Narratives at the South Asia Seminar Series, University of Chicago, November 1, 2012.
13. "Partition of India: Debates in History and Literature" at Department of History, University of Berkeley, California, 20 November 2012.

14. "On the Importance of Hindi in India" at the International Workshop on Indian History, Culture and Politics', organized by Centre for Historical Studies in collaboration with the Department of Studies on Asia, Mediterranean, and North Africa, University of Venice from 8-10 September 2014, at the School of Social Sciences, Jawaharlal Nehru University on 9 September 2014.

15. Presented paper "Partition Narratives from the Periphery: Transforming Rurban Landscapes of Dilli" at the international workshop "Planning Modernity: Colonial Continuities, Postcolonial Disjunctions" 24-25th October 2014 at JNU.

16. Presented paper "Urban Villages in Delhi in the Wake of Partition: A Creative Intervention by Jagdish Chandra" at a seminar "Voices of Partition" organized by Center for Historical Studies, JNU and The Partition Archives on 21st November, 2014.

Singh, Shraddha A.

1. Presented a paper titled, "Forging a Digital and Public Identity: the Self-fashioning of Margaret Atwood" at the 41st International Conference of the British Association for Canadian Studies, London, United Kingdom from 21 – 23 April 2016.

2. Presented a paper titled, "The Everywoman": A few cases of the Common, yet Popular Indian Women Activists" at the UGC sponsored National Conference "Imagining the Indian 'Popular': Globalisation and its Discontents" from 3-4 March 2016 at Zakir Husain Delhi College (Eve), University of Delhi.

3. Presented a paper titled, "The Self-fashioning of Margaret Atwood: Digital and Public" at a one day conference on 12th January 2016 at PGDAV College, University of Delhi.

4. Presented a paper titled, "Text and Context in the Works of Margaret Atwood and Indira Goswami" at the International Conference on *Gender, Diversity and Cultural Pluralism: Canada and India* from 17 – 18 January 2012 organised by the Center for Canadian Studies, South Campus, University of Delhi at the India International Center, New Delhi.

5. Presented paper titled "Aboriginal Language Loss and Revitalization in Canada" on March 3, 2010 at an international seminar on Oral Cultures: Indigenous communities in Canada and India at the University of Delhi, South Campus.

6. Presented a paper at the World Seminar on Canada and attended 'Master Classes' that lead to a certification from International Council for Canadian Studies (ICCS) at Ottawa; October 4-9, 2009.

7. Attended the Congress of the Humanities and Social Sciences (May 31 - June 8, 2008) at University of British Columbia, Vancouver, Canada as a part of the Atwood Studies panel.

8. Presented a research paper titled "Locating Gender in College Magazines of Delhi University" at the Women's Studies and Development Centre, University of Delhi in January 2006.

Zafir, Naghma.

1. International Shakespeare Seminar, 4-8 Dec 1989 organized by Department of English, University of Delhi.

2. Workshop on Translating Short Fiction, 6-19 April 2000 organized by Katha and Centre of Linguistics and English, JNU.

3. Speaker at Translation Projects in the Department of English, 21 March 2016 organized by Centre for Dalit Studies in association with Centre for Academic Translation and Archiving

4. Conducted seven day workshop in Creative Writing, 16-22 Nov 2015 at Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur.

Invited Lectures and Talks

Bodh Prakash

National:

1. "Partition of India: Debates in History and Literature" at Department of History, University of Berkeley, California, U.S.A. on 20 November 2012.

2. "Memory and the (Re) Making of the Self in the Fictional Narratives of Partition" at the Department of English and Cultural Studies, McMaster University, Hamilton, Ontario, Canada, on 16th October, 2012.

3. "Narratives and Histories of Partition" under South Asia Seminar Series, at South Asia Language and Area Center, University of Chicago, Chicago, U.S.A. on 1st November, 2012.

4. "Fictional Representations of the Partition of India, 1947", at the University of Basel, Switzerland, on 24 April, 2012

5. "Indian Literature in English", to doctoral students at Department of English, University of Strasbourg, France on 10 April, 2012

6. "Review of Partition Literature in Indian Languages", to faculty and students of Department of English, University of Strasbourg, France on 30 May, 2011

7. "Representing Partition in Hindi and Urdu Literature", at the Scuola di Dottorato in Humanae Litterae, Università degli Studi di Milano, Italy, on 1 June, 2011.

8. "Reconstructing the Partition in the Twenty First Century", at MSH, Paris, France on 28 June 2011

International:

1. Lecture on “Linguistic Plurality in India” at refresher course on Contemporary Studies on 28th April, 2015, at ASC JNU
2. Invited talk on “Memories and Partition Literature” at Jammu University on 16th August, 2010
3. Lecture on “Cultural Diversity in India: Languages and Literatures” for orientation course at UGC – Academic Staff College, Kurukshetra University, Kurukshetra, on 24 February, 2009.
4. Lecture on “The Use of Fiction to Teach the Social Sciences: The Partition of Indian Seen Through Short Stories”, for orientation course at ASC JNU on 9th November, 1998.
5. Lecture on “The Use of Fiction to Teach the Social Sciences” for orientation course at ASC JNU, 1st May 1998.

Kishore Kumar Das

1. Issues Of Leadership And Governance In The Novels Of Chinua Achebe At Indiana University, Bloomington, Usa
2. Science Fiction at Bhaskaracharya College, Du
3. Understanding The Poetry Of William Wordsworth C. R. A College, Sonipat National
4. Examining The Crisis Of Political Leadership In India During The Period Of 2004-2014 Vsgoi Kanpur
5. Foregrounding The Dangers Of The Extreme Form Of Idealistic Leadership Vsgoi Kanpur
6. Understanding The Dynamics Of The Individualistic Leadership And Its Limitations Vsgoi Kanpur
7. Understanding The Dynamics And Effectiveness Of The Collective Leadership Vsgoi Kanpur
8. Questioning The Effectiveness Of The Pragmatic Leadership Devoid Of The Idealism Vsgoi Kanpur
9. Gothic Fiction National Post Graduate College, Lucknow
10. The Poetry Of John Keats National Post Graduate College, Lucknow
11. Cultural Materialism National Post Graduate College, Lucknow National
12. The Poetry Of William Blake National Post Graduate College, Lucknow
13. Shakespeare’s Tragedies National Post Graduate College, Lucknow

Anuradha Marwah

1. “Coverage of the Nirbhaya Case.” Panel Discussion at Media Manthan. December 2012
2. “Writers and Society”. Panel Discussion at Media Manthan. Rajya Sabha Television. March 2013
3. “Media and Superstition”. Panel Discussion at Media Manthan. Rajya Sabha Television. October 2013
4. At two panels on Literature and Cinema at the Doon Lit. Fest 29 Nov. - 1 Dec. 2013, Dehradun (‘Cinema and Social Change’ with Gauri Shinde, Vivek Mansukhani and Tanuja Chandra and ‘Small Towns in Literature and Cinema’ with Imtiaz Ali, Anuja Chauhan, and Advaita Kala)
5. The lecture “What it Means to be a Woman Writer” on 18 July 2014 at the UGC Academic Staff College, Jamia Millia Islamia, New Delhi for the 3-Week Refresher Course in English.
6. Keynote for the Fourth National Meeting for Creative Writers organized by the Forum for Creative Writers in English at LB Hotel, Mount Road, Sadar, Nagpur on 14 March 2015.
7. Readings from published novels. IGNC A Book Reading Event. IGNC A Reference Library, 11 Man Singh Road, New Delhi. 25 June 2015
8. Readings from Creative Work and Discussion on Contemporary Literature at Diggi Palace, Jaipur. Organized by the Literary Journal ‘Voices’. 19-20 December 2015
9. Recasting Ismat Chughtai: 2 sessions at at the Refresher Course in English on Language, Literature, and Culture at CPDHE (Centre for Professional Development in Higher Education) , Institute of Life Long Learning (ILLL), University of Delhi On 11 and 12 March 2016.
10. Resource person at the two day international seminar on Feminist Consciousness in South Asian Literature on November 3 & 4 2006 Department of English and Modern European Languages, University of Lucknow
11. Resource Person at National seminar on Interpreting Literature organized by the department of English, Sophia Girls College Ajmer from Sept 27 to 29th 2005
12. Resource Person at Creating Stories for Children in Jammu and Kashmir; Building Constituencies of Peace: Stakeholders in Dialogue organized by WISCOMP in Srinagar, 27-28 October 2008
13. Resource Person at Life at Margins: discussion organized by Savitri College Ajmer as part of Ford Foundation project PATHWAYS on 13 November 2006
14. Keynote at the National Seminar on Mapping Indianness: Recent Indian English Writings at Dayanand College, Ajmer from 3-5 January 2002
15. Talk on ‘Popular Fiction and the Market’ at the seminar ‘Framing the Popular: Forms and Ideologies at Dyal Singh College, Delhi Univeristy on 21 September 2012
16. Talk on ‘Creative Writing: The New Application Course at Delhi University’ organized by the Ferguson Centre for African and Asian Studies, Open University, Milton Keynes UK at Jamia Millia Islamia on 10 March 2007

17. Theatre Workshop on “Dirty Picture: Sexual Abuse in Small Towns of India” organized by Hindu College on 27 August 2008
18. Chief Guest at the National Seminar on Race colour gender class and caste: Expressions of Marginality in the writings in English’ by Dept of English Mahila Mahavidyalaya, Kanpur 3 and 4 Dec 2011
19. Invited to participate in West Yorkshire Playhouse Transform Season – June 2011 by West Yorkshire Playhouse Leeds on 10&11 June 2011.
20. Resource Person at Youth Expressions and Leadership programme organized by Yakjah Reconciliation and Development Network at Jammu University Bhadarwah from 19-22 July 2011
21. Plenary Lecture at the Conference on Mediating Marginalities organized by Centre for Women Studies and Development, BHU on 13-14 March 2012
22. Invited to International College for Girls, Jaipur and to present a session on "Dirty Picture and the Issue of Sexual Abuse in Rajasthan" to the students on 11 January 2008.
23. Talk on ‘Contemporary Novel in English’ at the seminar organized by Indo-Korean Foundation at the IIC, New Delhi on 8 July 2008.

Shraddha A. Singh

1. Invited by the Department of Nano-science and Nanotechnology at Jamia Millia Islamia, New Delhi to deliver a talk to the Masters students, titled “Science and Literature: Are We There Yet?” on 5th March 2012.
2. Invited by the Department of English, Kamala Nehru College, University of Delhi to deliver a talk on “Margaret Atwood: Text and context” on 19th March 2012.
3. Gave a presentation at the India Habitat Centre on *Diversity in Canada* at a workshop on March 3, 2008.
4. Participated as a respondent and wrote session notes for the Leverhulme Research Projects: Gender and Translation Workshop held at Jawaharlal Nehru University, New Delhi on 7th January 2009, the aim of which was to create a forum for a first ever discussion of the gender aspect of translations in Indian literature.

e-Lessons

Bodh Prakash

Researched and created audio-visual material for two units of the concurrent course “Cultural Diversity, Linguistic Plurality and Literary Traditions in India” (prescribed for undergraduate students of the University of Delhi) at the Institute of Life Long Learning, South Campus, University of Delhi, January to April, 2010. The units “Sufi and Bhakti Traditions” and “Gujarati and Sindhi Literary Traditions” focus primarily on oral and written medieval literatures and are representative of the great diversity within both literatures and languages. Using audio-visual content as a pedagogical tool in the classroom has facilitated the communication of complex issues related to Indian literatures in the classroom as the reviews have subsequently shown.

Language editor for IGNOU unit “Working Capital Management” (MS 41) School of Management Studies at IGNOU

Vibha S. Chauhan

Five E-lessons from 2007-2008 for Fluency in English – I at ILL, University of Delhi.

Afzal Mohammed

“Sexuality and Marriage: Evangelism, the Cult of Home, and the Development of Victorian Sexual Morality”, Indian Institute of Life-long Learning, University of Delhi.

Singh, Shraddha A.

With funding from Shastri Indo-Canadian Institute, New Delhi under the Special Projects on Canada fund worked as a resource person in order to create an e-lesson on Managing Diversity titled *Canada and India: Voices from Literature, Culture, Politics*. (Feb 2008 - March 2008)

EVALUATIVE REPORT OF THE DEPARTMENT OF HINDI

1. Name of the Department: HINDI

2. Year of Establishment: 1948

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

B.A (Hons.) Hindi

M.A.(Hindi)

4. Names of Interdisciplinary courses and the departments/units involved

- Lower and Higher Hindi to all students (Qualifying Course)
- Course 2.5 (Hindi-A& B) to B. Com Honours (Credit Course)
- Hindi-A, Hindi-B to B.A. Programme (Credit Course)
- Hindi Literature to other Honours Courses: History, Political Science and Sanskrit (Language Credit Course)
- Higher Concurrent Course for Sanskrit and Hindi medium students in other courses (HCC)

5. Annual/ semester/choice based credit system (programme wise)

1st Year: CBCS

2nd and 3rdYear: Semester system

6. Participation of the department in the courses offered by other departments

- Department of English: English (Qualifying Course); English (Credit Language Course)
- Department of Environmental Studies (Qualifying Course)
- Department of Political Science: Reading Gandhi (Qualifying Course)
- Department of History: Ancient Delhi, Concurrent Course; Ancient India (Allied Course in erstwhile FYUP)

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons:

- Annual system was discontinued in 2010. The last batch graduated in April 2013.
- The Four Year Undergraduate Programme (FYUP) was discontinued in 2014 due to directives from DU.
- B.A. (Programme) was discontinued in 2013 under the FYUP and re-introduced in 2014.

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	04	04
Assistant Professors	06	06

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Ramesh C. Mehta	Ph.D	Associate Professor	Bhakti Kaal, Linguistic	31	-
Dr. Sarita Khurana	Ph.D	Associate Professor	Mod. Hindi Poetry	30	-
Dr. Pawan Kumar	Ph.D	Associate Professor	Hindi Natak, Theater	23	1
Dr. Harendra Singh	Ph.D	Associate Professor	Adhunik Sahitya	20	2
Dr. Neelam Kumari	Ph.D	Assistant Professor	Natak	11	-
Dr. Anjan Kumar	Ph.D	Assistant Professor	Mod. Litt.	10	-
Dr. Vijendra Singh	Ph.D	Assistant Professor	Media	15	-
Dr. Suraiya Khan	Ph.D	Assistant Professor	Katha sahitya	10	-
Dr. Laxman Yadav	Ph.D	Assistant Professor	Hindi Alochana	5.8	-
Dr. Mohd. Sabir	Ph.D	Assistant Professor	Katha Sahitya	4.4	-

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

- B.A. (Hons): 20%
- B.A. (Prog): 20%

13. Student -Teacher Ratio (programme wise)

B.A. (Hons.) - 1:12

B.A. (Prog.) - 1:15

B.Com. (Prog.) - 1:10

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

All faculties are Ph.D.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. PUBLICATIONS:

Teachers	Books Authored/ Edited	Chapters in Books / Textbooks	Papers in Journals (National/ International)
Dr. Ramesh C. Mehta	-	3	-
Dr. Sarita Khurana	1	-	-
Dr. Pawan Kumar	-	-	3
Dr. Harendra Singh	2	-	4
Dr. Neelam Kumari	-	-	1
Dr. Anjan Kumar	-	-	3
Dr. Vijendra Singh	2	3	3
Dr. Suraiya Khan	2	-	2
Dr. Laxman Yadav	1	-	5
Dr. Mohd. Sabir	1	-	2

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards.... NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 100%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: No Records

23. Awards / Recognitions received by faculty and students: NA

24. List of eminent academicians and scientists / visitors to the department

- Prof. Namvar Singh, Eminent Writer and Critic
- Prof. Vishwanth Tripathi, Eminent Writer and Critic
- Prof. Hari Mohan Sharma, Head of Hindi Department, University of Delhi
- Prof. Kashinath Singh, Eminent Writer and Critic
- Shri. Abhay Kumar Dubey, Eminent Writer and Critic
- Dr. Manager Pandey, Eminent Writer and Critic
- Dr. Vinay Vishwas, Eminent Writer and Poet
- Prof. Achyutan, Eminent Writer and Theater Critic
- Prof. Apoorvanand, Critic and Professor of Hindi in DU
- Shri Dilip C. Mandal, Writer, Educationist and Media critic

25. Seminars/ Conferences/Workshops organized & the source of funding: NA

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.A. (Hons.) Hindi 2015-16		37	21	16	
B.A. (Hons.) Hindi 2014-15		43	25	18	
B.A. (Hons.) Hindi 2013-14		48	29	19	
M.A. Hindi 2015-16		12	10	02	
M.A. Hindi 2013-14		11	07	04	

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A. (Hons.) Hindi	69.42	30.58	Nil
B.A. (Prog.)	70.90	29.10	Nil
B.Com. (Prog.)	39.82	60.18	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Record

29. Student progression

Student progression	Against % enrolled
UG to PG	25
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) **Library:** The Hindi section of the library offers an exhaustive list of books and some journals. Faculty members and students also have access to number of journals, books, and accessibility to libraries through University of Delhi Online Library and UGC Online Library INFLIBNET Centre where every faculty and students have been provided with a personalized ID and password.
- b) **Internet facilities for Staff & Students:** The College is Wi-Fi enabled. Desktops and laptops with internet facilities are available for faculty at all times for teaching/research. Further, enough computers are available for students in the library, reference section and laboratories with internet to work on their assignments.

c) Class rooms with ICT facility:

Many classrooms assigned to the Department have projectors and screens.

d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies: NA

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

The Department of Hindi organises several programs like talks, workshops, and kavita path to hone the students' theoretical understanding of texts and concepts and make the study and learning process interesting.

33. Teaching methods adopted to improve student learning: Use of Audio-Visual

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NA

35. SWOC analysis of the department and Future plans

EVALUATIVE REPORT OF THE DEPARTMENT OF HISTORY

1. Name of the Department: HISTORY

2. Year of Establishment: The department along with many others, can be dated back to college's affiliation to University of Delhi in 1929.

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

- B.A.(Honors) History
- B.A. (Programme) History
- M.A. History

4. Names of Interdisciplinary courses and the departments/units involved

Name of Course	Departments/ units involved
B.A. (Honors)	Department of English, Hindi, Persian, Philosophy, Political Science, Psychology, Sanskrit, Urdu.
B.Sc. (Honors)	Mathematics, Botany, Zoology, Chemistry, Physics, Electronics, etc.
B.Com. (Honors)	Commerce

5. Annual/ semester/choice based credit system (programme wise)

Name of Course	System of Syllabus
B.A. (H) History 1 st , 2 nd , Semester	Choice Based Credit System
B.A. (H) History 3 rd , 4 th , 5 th and 6 th Semester	Semester System
B.A. (Program) 1 st and 2 nd , Semester	Choice Based Credit System
B.A. (Program) 3 rd and 4 th Semester	Semester System

6. Participation of the department in the courses offered by other departments

- Generic Elective- Departments such as Political Science, Philosophy, Hindi, English, Urdu etc.
- Skill Enhancement Elective- Departments such as Political Science, Philosophy, Hindi, English, Urdu etc.
- Interdisciplinary Concurrent Course- Departments Such as Political Science, Philosophy, Hindi, English, Urdu etc.

7. Courses in collaboration with other universities, industries, foreign institutions, etc. NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	03	03
Assistant Professors	06	04 (Permanent) ; 01 (Temporary); 01(Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Saba Khan	Ph.D.	Associate Professor	Medieval Indian History	34	NIL
Dr. Devesh Vijay	Ph.D.	Associate Professor	Contemporary History	30	NIL
Dr. Mahfuzur Raheman	Ph.D.	Associate Professor	Ancient Indian History	26	02 Ph.D. Students Enrolled
Dr. Pradeep Kumar	Ph.D.	Assistant Professor	Modern Indian History	16	04 Ph.D. Students Enrolled,(1 Submitted)/2,M.Phil. Awarded
Dr. Md. Tarique Anwar	Ph.D.	Assistant Professor	Medieval Indian History	09	NIL
Dr. Ataullah	Ph.D.	Assistant Professor	Medieval Indian History	06	NIL
Dr. Ashwin Parijat Anshu	Ph.D.	Assistant Professor	Modern Indian History	07	NIL
Sarita Sarsar	M. Phil.	Assistant Professor	Medieval Indian History	04	NIL
Nasruddin Khan	M. Phil.	Assistant Professor	Modern Indian History	05	NIL

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Course	Percentage
B.A. (Hons.)	25%
B.A. (Programme)	33%

13. Student -Teacher Ratio (programme wise)

Course	Teacher-Student Ratio
B.A. (Hons.)	01:35
B.A. (Programme)	01:55
Generic Elective(CBCS)	01:60
DCC	01:50

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL**15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Qualification	Number of Teaching Faculty
Ph.D.	7
M.Phil	2

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

S. No	Name of Project	Name of coordinator	Amount Received/lacs	Funding Agency
1	<i>Tracking welfare and Popular Experiences in Two North Indian Communities. 2015-17</i>	Dr. Devesh Vijay	Rs.09 Lakhs.	UGC
2	<i>Adivasis and Muslims: A comparative study of their political socio-economic practices after the creation of Jharkhand, 2012-2014.</i>	Dr. Md. Tarique Anwar	Rs.03 Lac. 15 Thousand.	UGC

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL**18. Research Centre /facility recognized by the University: NIL****19. PUBLICATIONS: (See Annexure-I)**

Name	Publications	Articles	Books Written	Articles in National Dailies	Chapters Written	Book Review	Books/ Journals Edited
Dr. Devesh Vijay	46	18	05	10	05	05	03
Dr. M. M. Raheman	13	09	03		01		--
Dr. Pradeep Kumar	30	24	02		--		04
Dr. Md. Tarique Anwar	03	02	--		01		---
Dr. Ataullah	10	10	--		--		---
Dr. Ashwin P. Anshu	05	05	--		--		---
Sarita Sarsar	04	04	--		--		---

Nasruddin Khan	02	02	--		--		---
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20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Board:

- **Dr. Saba Khan** : Syllabus Revision Committee, Dept. of History, Delhi University
- **Dr. Devesh Vijay** : Syllabus Revision Committee, Dept of History, Delhi University
- **Dr. M. M. Raheman** : Indian Society for Prehistoric and Quaternary Studies, Pune; Indian Archaeological Society, New Delhi; OSD Examination, DU.
- **Dr. Pradeep Kumar** : Journal Editor, Liasion Officer, DU.
- **Dr. Md. Tarique Anwar** : OBC observer for Ad-hoc appointment at ZHDC, DU.
- **Dr. Ataulah**: Syllabus Revision Committee, Dept. Of History, Delhi University.
- **Dr. Ashwin P. Anshu**: Syllabus Revision Committee, Dept. Of History, Delhi University.

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme:**

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:**

Regular projects are taken from the students for the purpose of fulfilling the requirement of assignments. Presentation by the students on varied topics pertaining to syllabus are the part of Internal Assessment and the mechanism employed by the faculty members as part of Teaching-Learning process.

23. Awards / Recognitions received by faculty and students:

1. Dr. Devesh Vijay:

- Fellowship from the Indian Council of Social Science research (2008);
- Institute of Economic Growth (2011);
- Nehru Memorial Museum and Library (2013).
- Four Major Research Projects from UGC and ICSSR.

2. Dr. Pradeep Kumar: Minor Research Project UGC in 2006-2008

3. Dr. Md. Tarique Anwar: Major Research Project, UGC, New Delhi.

4. Dr. Ataulah: Charles Wallace Fellowship (CWIT), London, 2010.

24. List of eminent academicians and scientists / visitors to the department

SPEAKER	UNIVERSITY	YEAR
Prof. Iqtidar Husain Siddiqui	Department of History, A.M.U.	2013
Prof. Rizwan Qaiser	Department of History and Culture, JMI	2014
Prof. Sanjay Sharma	Department of History, Ambedkar University	2014
Dr. Srimanjari	Department of History, Miranda House, DU	2016

25. Seminars/ Conferences/Workshops organized & the source of funding

Title of the Seminar/ Conference/Workshop	Name of Organizer
“Shahjahanabad and Delhi College during the Rebellion of 1857”	ZHDC, 19 th February, 2009

26. Student profile programme/course wise:

Name of the course/program	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
M.A. History. 2015-16	N/A	02	02	00	
M.A. History. 2014-15	N/A	03	03	00	
B.A. (Hons.) 2015-16	N/A	32	21	11	
B.A. (Hons.) 2014-15	N/A	39	24	15	
B.A. (Hons.) 2013-14	N/A	52	21	31	

27. Diversity of Students

Name of the course	% of students from the same State	% of students from the other State	% of students from abroad
B.A. (Hons.) 2015-16	43.7	56.2	Nil
B.A. (Hons.) 2014-15	53.8	46.1	Nil
B.A. (Hons.) 2013-14	78.8	21.1	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? 29

29. Student progression

STUDENT PROGRESSION	AGAINST % ENROLLED
UG TO PG	Students numbering 10 plus, every year pursue masters in History and other subjects.
PG TO M.PHIL	Not Available
PG TO PH.D	Vikas Kumar, Mritunjay, Azad Chaudhary (Delhi University), Yusra Farooqi (National Archives), Saurabh Singh (Deccan College), Satyendra (Lucknow University), Noor Zehra, Divya Sen (Jamia

	Millia Islamia)
PH.D TO POST-DOCTORAL	Not Available
EMPLOYED -CAMPUS SELECTION -OTHER THAN CAMPUS RECRUITMENT	Nitish Mishra (State Cabinet Minister in Bihar Government 2006-2015), Pramod Kumar (LIC Development Officer), Ashish Basra (Major, Indian Army), Rahul Kumar (PCS- Bihar), Kirti Tiwari (District Commission through UPPCS), Kailun (IPS, Manipur), Afroz (Aajtak), Vimal Mohan (NDTV, Associate Executive Editor), Ajay Jain (CEO, Manohar Publications), Umesh Kumar (Assistant Professor, Ramanujan College), Azad Chaudhary (Assistant Professor/Ad-hoc, Hindu College), Vikas Kumar (Assistant Professor/Ad-hoc, Daulat Ram College), Noor Zehra (Assistant, Prem Chand Archives, Jamia Millia Islamia)
ENTREPRENEURSHIP/ SELF-EMPLOYMENT	

30. Details of Infrastructural facilities

- i. **Library:** College Library has a rich collection of history books and some rare records. We have also collected selected chapters from about 500 books on history of modern Europe from 10 different libraries in Delhi for advised readings in syllabi.
- ii. **Internet facilities for Staff & Students:** Yes
- iii. **Class rooms with ICT facility:** Yes
- iv. **Laboratories:** NA

31. Number of students receiving financial assistance from college, university, government or other agencies:

YEAR	NAME OF SCHOLARSHIP	NUMBER OF STUDENTS
2011-2013	Minority Scholarship	13
2013	Vice-chancellor's Student Fund	02

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

(Refer point number 25 for Lectures and talks organized.) Regular educational/ historical trips have also been organized.

YEAR	PLACES OF HISTORICAL TOURS	PLACES OF STUDY TOURS
2016	JAIPUR, Maharaja Agrasen ki Baoli, Hailey Road, New Delhi.	Study Trip to a village in Meerut district; Maharaja Agrasen ki Baoli, Hailey Road, New Delhi.
2015	FATEHPUR SIKRI	WORLD BOOK FAIR
2014	MEHRAULI ARCHEOLOGICAL PARK	NATIONAL ARCHIVES
2013	QUTUB COMPLEX AND TUGHLAQABAD	NATIONAL MUSEUM
2012	TAJ MAHAL, AGRA FORT AND SIKANDRA	KAMLA NEHRU RIDGE

33. Teaching methods adopted to improve student learning

- a) Discussions
- b) Inviting eminent scholars
- c) Field trips to archaeological/ Historical sites/ countryside
- d) Visits to Museums/Archives
- e) Power Point presentations on special topics by faculty members.
- f) Multimedia.
- g) Oral presentation.
- h) Projects.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Educational Support to students in a slum called Aradhaknagar and a Village called Dhantala.

35. SWOC analysis of the department and Future plans

Strengths	<ul style="list-style-type: none"> • A glorious and long history of the college and its memorable role in many historic transitions in the city beginning with the so called Delhi Renaissance in the 19th century. • Excellent location in the heart of the city close to celebrated institutes, libraries and media houses etc. • Highly Qualified and dedicated faculty offering pedagogic support beyond class room and exam centred learning consistently whether through multi-media study materials, field work and interdisciplinary insights, NCC and inclusive social policies etc. • Well-stocked library with latest reading material along with a unique collection of manuscripts and Xeroxed chapters from costly books from across libraries in the city. • We also make outstanding contribution to educating students especially Girls from the walled city (old delhi) where the elites have moved out and the number of first
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	generation learners are many.
Weaknesses	<ul style="list-style-type: none"> • We are still to realize a good placement record for our graduates specially girl students. • Lack of adequate space and infrastructure for add on courses, teachers' cabins, new courses due to pending new block construction. • Shortage of funds and institute's vehicle for trips to historical sites. • lack of sufficient reading material for Hindi medium students in social sciences generally.
Opportunities	<ul style="list-style-type: none"> • To carry forward the proud legacy of our unique and old institute. • To serve the community in old delhi and walled city with dedication. • Advising/counseling to undergraduate students about career options after college. • The talks organised by the department enable students to interact with eminent scholars on various subjects.
Challenges	<ul style="list-style-type: none"> • Higher secondary education boards no longer require essay type answers and for first year History Honors students this transition entails regular guidance and tutoring as to how to do reference work and write essay type answers with a bibliography. • Many of our students belong to weaker sections of society. Bringing them to the standards of the university and helping them to score good marks is a challenge for the faculty. We overcome this challenge because our results are good. • To inspire and equip girls from the walled city to take up careers from within or out of home after passing. • To have community service programs specially in slums on both sides of the college including remedial classes for first generation learners and municipal schools.
Future Plans	<ul style="list-style-type: none"> • To develop the library further in the light of Choice Based Credit System (CBCS), new trends in research and changing requirements of students. • Organising talks by eminent scholars on regular basis. • To have more field based learning specially use of oral history methods in project work with students sensitizing them to community needs and serving the latter thru student body in selected ways like free tuitions etc. • Collaboration with institutions like INTACH, ASI, so that the students can be further made to understand the varied nuances of history. • Develop a separate departmental Library. • Developing more multi-media online study material specially in Hindi.

Annexure-I

FACULTY PUBLICATIONS- BOOKS/ARTICLES

1. Dr. Devesh Vijay:

Books:

1. *Dalits and Democracy: Transitions in Two North Indian Communities*, Mumbai: Himalaya Publications, 2016. ISBN 978-93-5202-073-7.

2. आधुनिकयूरोपकाइतिहास: आयामएवमदिशाएं/(co-edited) Directorate of Hindi Medium Implementation, University of Delhi, Delhi-7, 2010(revised second edition, 2013) ISBN 978-93-80172-32-3.

3. फ्रांसीसीक्रांतिकेसांस्कृतिकपहलु, (an illustrated text using colored pictures and life sketches of rebels and rulers of France), Directorate of Hindi Medium Implementation, University of Delhi, Delhi-7, 2013. ISBN 978-93-80172-51-4.
4. यूरोपीयसंस्कृति 1400-1800, (edited volume), Directorate of Hindi Medium Implementation, Delhi] 2010- (Prescribed Text for B.A. Program II Year students of History in Delhi University.)
5. Ikkesveen Shatabdi main Daliton ke Badalte Halaat aur Soch, Swaraj Prakashan, 2010. (Reviewed in *Hans*, June 2010 and in Dainik Jagran, July 15, 2010.) ISBN 978-81-8465-183-6
6. सांस्कृतिक इतिहास: एक तुलनात्मक सर्वेक्षण (Comparative Cultural History in Hindi), Hindi Medium Implementation Directorate, Delhi, 2009. (Reviewed in *Book Review*, March 2010).
7. प्रारंभिकआधुनिकयूरोपमेसांस्कृतिकपरिवर्तन, (edited volume) Directorate of Hindi Medium Implementation, Delhi, 2006. (Reviewed in *University Today*, 15/2/07).
8. *Writing Politics: Left Discourses in Contemporary India*, Popular Prakashan, Mumbai 2004, Reprint, 2004. Recommended as essential reading for Paper II (Politics In India) of B.A. IInd year, Department of Political Science, University of Delhi since 2004. ISBN 81-7154-813-X

ARTICLES:

Papers Published in Refereed International Journals:-

1. 'Representations of 'Class' in Left Writings on Indian Politics: Notes on a Changing Discourse', Journal of Contemporary Thought, Summer-2000. pp 5-23 ISSN-0971-4731
2. 'Culture, Ethnicity and Ideology: An Examination of Recent Conceptual Shifts in Left Writings on Indian Politics', Comparative Studies in South Asia, Africa and the Middle East, Duke University, USA, Vol. XVIII, 1998. pp 108-118 ISSN-1089-201X.

Papers in Refereed National Journals:-

1. 'Small Farms in a Fertile Tract: The Longue Duree in a North Indian Village circa, 1930-2014', Economic and Political Weekly, Vol LI. No.5 30-01-2016. ISSN: 0012-9976
2. 'Emergent Ruralities: A Rejoinder', Economic and Political Weekly, Volume XLIX, No.35, 30th August, 2014
3. 'Structure and Mobility inside a Delhi Slum: 1988-2009.', Social Change, ISSN0049-0857 Volume 43, No.4, Council of Social Development, 2013.
4. 'Culture and Explanation: Reflections from the Trajectory of Industrialization in Nineteenth Century Europe', Journal of the Institute for Research in Social Sciences and Humanities (Irish), January, 2011. pp 189-212, ISSN-0973-3353
5. 'Culture and Migration: Reflections from a Delhi Slum', Urban India, Vol. XXVII, No.I, 2007, pp.72-92. ISSN-0970-9045

Papers in Other Publications:-

1. 'The Rural Economy: A Micro-Perspective from Western Uttar Pradesh, Occasional Papers in Contemporary Development, Delhi: Nehru Memorial Museum and Library, 2014.
2. 'The Changing Village: Dhantala circa, 1930-2012, Proceedings of First Northern Regional Social Science Congress, 2014.
3. 'Livelihoods in the Periphery of Delhi, circa 1930-2012', Working Paper No.336, Institute of Economic Growth, New Delhi.

4. 'The Crisis in Indian Polity: Some reflections on Culture and Class', M.R. Biju ed. The Democratic Political Process, Mittal Publications, 2009.
5. 'A Crisis within Crisis: Conceptual Dilemmas in the Discourses on Political Tensions in India Today', R.Vashum and Prakash Louis eds. State, Development and Identity in South Asia, Indian Social Institute, Delhi, 2002. Pp19-31 ISBN 81-87218-51-7
6. 'Beyond Postmodernism: A Critique of Trends in Recent Western Historiography', Proceedings of the Indian History Congress, 2008.
7. 'Life History: A Tool for a Humanistic Approach to Social Sciences,' Proceedings of the Indian History Congress, 52nd Session, 1992, Delhi. (Also accessible on the Internet at <http://members.tripod.com/ascjnu/index.html>)
8. 'Students' Needs and Academics' Concerns: A Contradiction within Higher Education, Mainstream, February 1999.
9. चीन की पूर्व आधुनिक संस्कृति', संवेद, 18, जुलाई 2009.
10. 'भारतीय संस्कृति: दशा और दिशा', इतिहासबोध, फरवरी, 2009.
11. 'इतिहासलेखन और उत्तरआधुनिकतावाद', इतिहासबोध, फरवरी, 2008.

Books Reviewed:-

1. Abhijit V. Banerjee and Esther Duflo, *Poor Economics: Rethinking Poverty and the Ways to End It*
Vintage 2011 in *The Indian Journal of Public Administration*, Vol.LI. No.4, 2015. ISSN: 0019 5561
2. N.Bhaskara Rao, *Good Governance: Delivering Good Governance*, Sage: Delhi in Social Change,
Volume 46, No.3, 2014. ISSN0049-0857
3. Vinay Lal, *The History of History: Politics and Scholarship in Modern India*, OUP, 2003
In *Indian Economic and Social History Review*, Vol.43, No.1, 2006.
4. Rajinder Singh's Land, Power and People: Rural Elite in Transition, 1801-1970, Sage
1988, *Indian Historical Review*, Vol XVII, 1990-91.
5. Paul Thomson's Voice of the Past, OUP, 1978, *Indian Historical Review*, Vol XI, 1985.

Chapters for Text Books and e-learning:-

1. 'Cultural Transformation in the Twentieth Century' for National Open School's *History textbook for class XII*, 2010.
2. 'Transition to Modern Politics: The Case of Britain: 1760-1850' for Indira Gandhi National Open University's text on *History of Modern Europe (EHI 07)*, 1999.
3. 'Itihas aur Itihaslekhan: Ek Punaravlokan' in Prof. R.L Shukla ed. *Adhunik Bharat ka Itihaas*, Hindi Implementation Bureau, University of Delhi, 1998.
4. 'Rise of Democracy in Britain' e-lesson for official website of Delhi University viz. Institute of Life Long Learning (www.illledu.du.in), January 2011. Also developed as lecture video for same.
5. ब्रिटिश प्रजातंत्र का सामाजिक आधार. जीवन पर्यंत अध्ययन संस्थान, दिल्ली विश्वविद्यालय, २०१५.

Articles in Major National Dailies:-

1. Of Luddites in the Twenty First Century, op.ed. Pioneer, January 2015.
2. Tackling Terror, The Hindu, 9/12/08.
3. The Cancer of Organised Crime, The Tribune, 12/6/08.
4. Misreading the Mayawati Mandate, Indian Express, Edit page, 25/5/07.
5. Mofussil India, The Indian Express, Edit page, February 8, 2006.

6. The Many Meanings of Shah Rukh Khan, The Hindu, 3/9/04.
7. War against Crime, The Hindustan Times, Edit page, 4/3/04
8. Mahavidyalayon ki Padai aur Jeevan ki Sachai, Amar Ujala, 28/2/04.
9. Rethinking Gandhi in the Twenty First Century, Op. Ed., The Pioneer, 30/1/04
10. Shrink Wrapped Learning, Hindustan Times, Edit page, 7/8/03.

2. Dr. M. M. Raheman:

Books/ Chapters in Book:

1. *Odisha me Bouddhadharma*, A. K. Publication, Delhi, 2014, ISSN No. 978-93-83334-77-3.
2. *Bharat ka Gaurav Kalinga*, Book Age Publication, Delhi, 2014, ISSN No.978-93-83281-35-0.
3. *General History of Odisha*, Book Age Publication, Delhi, 2014, ISSN No.978-93-83281-32-9.
4. *Governmental Support for the Elderly Publication in India* (Edited), Serials Publication, Delhi, 2014, ISSN No. 978-81-8387-387-1, (Chapter).

Articles:

1. Puratatvika Sakshyon Ki Drishti Mein Bodh Dharam, Vaak-Sudha International (Refereed Quarterly Research Journal) Rupesh Kumar Chouhan. Delhi (India), (Pp. 233-235). ISBN-2347-6605, Year 2013
2. Chin-Bharat Ke Vaicharik Samparka, Vaak-Sudha International (Refereed Quarterly Research Journal) Rupesh Kumar Chouhan. Delhi (India), (Pp. 225-226). ISBN-2347-6605, Year 2013.
3. 'Bauddha Sahitya Men Utkala', *University Hindi Journal* (Quarterly), 2014, ISSN No. 2347-9612. Year 2013.
4. 'Prachin Sahitya Men Kalinga Pradesh', *Antarrashtriya Saiddhantika Samiksha* (Half Yearly), 2014, ISSN No. 2347-9116, Year 2013.
5. 'Ashok ke Hridaya Parivartana Men Kalinga Yuddha ki Bhumika', *Vaak-Sudha International Referred Quaterly Research Journal*, ISSN No. 2347-6605, Year 2013.
6. 'Pracheen Bharat ki Siksha Paddhati Evam Siksha Kendra', *Vaak-Sudha International Referred Quaterly Research Journal*, (pp. 261-263) ISSN No. 2347-6605. Year 2013.
7. 'Business Practices in Early Medieval Odisha', Culture, Society & Law (Refereed), Delhi, (pp. 46-49) ISBN- 2348-1250, Year 2014
8. 'Trade and Currency in Early Medieval Odisha and Bengal', Culture, Society & Law, Delhi, (Pp 16-18) ISBN- 2348-1250, Year 2014.
9. 'Bauddha Dharama ko Akhil Bhartiya Swaroop Dene Men Ashok ka Yogadan', *Vaak-Sudha International Referred Quaterly Research Journal*, ISSN No. 2347-6605. Year 2014.

3. Dr. Pradeep Kumar:

Books:

1. Bhartiya Swatantrata Sangram Aur Bihar Ki Hindi Patrkari, ISBN, 978-93-83334-42-1, 2012
2. Swatantrata Purv Bihar ki Hindi Patrkari evam Samjik Chetna, ISBN. 978-93-83334-44-5, 2012.

Articles:

1. Ambedkar and His Conversion to Buddhism, Parisheelan, ISSN 09747222, Vol-2, No.1, 2009, pp-11- 18
2. Mahatma Buddh Aur Unki Samajik Kranti, Parisheelan, ISSN-09747222, vol-3, No.2, 2009, pp-309-316

3. Indian Experience and Making of Ambedkar's Thought, Parisheelan, ISSN-09747222, vol-vi, No.-3, July-Sep. 2010, pp-1-14.
4. Anti- Untouchability Movement of Ambedkar., Parisheelan, ISSN 09747222, vol-vii, No.1, Jan-March-2011, pp-7-16
5. Mahatma Buddha Aur Unke Samajik Vichar, Wisdom Herald, International Journal, ISSN 2231-1483, vol-2, no-2, April-June-2011, pp-346-353
6. Buddha, Dhamma And Ambedkar, Parisheelan, ISSN 09747222 vol-7, No.-4, Oct-Dec-2011, pp-59-66
7. Dalit Movement from Buddha to Ambedkar, Wisdom Herald, ISSN-2231-1483, Vol-3, No.-2, April-June, 2012, pp-57-64
8. Ambedkar's Struggle for Human Rights., Wisdom Herald, ISSN 2231-1483, vol-3, No.1, 2012, pp-57-66
9. Buddhism: A Religion of Harmony and Peace, Universal Review, ISSN, 2277-2723, vol-3, No.1, Jan-June, 2012, pp-91-96
10. Asvagosh Krit Vajrasuci Tatha Varna Vayavastha, Wisdom Herald, ISSN 2231-1483, vol-4, no-3, July-Sep-2013, pp-345-350
11. The Making of Gandhian Thought, SPT Journal of Academicians, ISSN-2321-7413, vol-2, No-2, 2014 pp-1-7
12. Influence of Buddha on Mahatma Gandhi. International Journal of Education Society and Development, vol-1 (No.-2) 2014, ISSN:2349-4549, pp-59-70
13. Influence of Buddha on Ambedkar. (International Educational Research and Development, Vol-4, Issue No.2, July-September, 2014, ISSN: 2250-3862, pp-73-85
14. Prarambhik Boddh Dharma Tatha Jaatiya Vayavastha, Samaaj Tatha Sangh ke Sandhrabha Mein, Wisdom Herald, Vol-5, No.-3, July-Sept-2014, ISSN-2231-1483, pp-259-266
15. Social Ideas Of Mahatma Buddha ,Culture Society And Law, ISSN 2348-1250, vol-1, No-2, July-Dec,2014, pp-85-98
16. Bodh Dharma Tatha Ambedkar , Pramana, ISSN-2249-2976, Issue-14, Octo-Dec,2014, pp-87-92
17. Caste Discrimination, Gandhi And Cinema, Vidya Vimarsh, ISSN-2348-1668, vol-1, No-4, Oct-Dec 2014 pp-25-32
18. Mahatma Buddha Evam Sant Ravi Das Ki Samajik Chetna, Uttar Pradesh Journal of Social Sciences, ISSN-0975-8852, vol-5, No-2, 2014, pp-85-91
19. Role of Hindi Cinema in Social Reforms During Freedom Struggle, International Journal of Humanities and Social Science, ISSN-2348-7429, vol-1, No-2, Oct-March-2015, pp-30-36
20. Ambedkar and His Contribution to Buddhism, International Journal of Education Society and Development, ISSN: 2349-4549, vol-1 No.3, Oct -Dec, 2014 pp-54-62
21. Mahatma Buddha Evam Sant Kabeer Ki Samajik Chetna, Vaak Sudha, ISSN 2347-6605, Vol-4 Nov. -Jan-2015 pp-207-211
22. Buddha ,Ambedkar And Issue of Caste, Bodhi Path, ISSN-2347-8004, No-8 Jan-2015, pp-2-6
23. Buddha Ambedkar And The Issue of Women Emancipation, Bodhi Path ISSN-2347-8004, No- 9, July-2015, pp-19-25
24. Ambedkar and His Idea of Society, Wisdom Herald, International Journal, ISSN 2231-1483, vol-vi, no-3, July-Sep-2015, pp- 9-16

Journals Edited:

1. Parisamvaad, Vaichariki, Interdisciplinary Quarterly Journal in Hindi, ISSN: 2394-4919, April-June, 2015, No.1 (3).

2. Parisamvaad, Vaichariki, Interdisciplinary Quarterly Journal in Hindi, ISSN: 2394-4919, July- September, 2015, No.1 (4)
3. Parisamvaad, Vaichariki, Interdisciplinary Quarterly Journal in Hindi, ISSN: 2394-4919, October-December, 2015, No.2 (4).
4. Parisamvaad, Vaichariki, Interdisciplinary Quarterly Journal in Hindi, ISSN: 2394-4919, January- March, 2016, No.3 (4).

4. Dr. Md. Tarique Anwar:

Chapters in Book:

1. Chapter on "Napoleon Bonaparte: An Appraisal" in the book entitled *History of Modern Europe* edited by Devesh Vijay, published from Directorate of Hindi Medium Implementation, University of Delhi, 2010, ISBN 978-93-80172-32-3.

Articles:

1. 'Mahmud Balkhi's Account of North India and its Historical Significance', *Journal Social Science Research*, 2013/2, ISSN 0975-8852.
2. 'The Establishment of Adil Shahi Kingdom and The Role of Various Ethnic Groups', has been accepted for publication in the *Journal Society and Politics*, Vol 4, No. 1, 2014, ISSN 2248-9479.

5. Dr. Ataullah:

Articles:

1. 'Shahr Ashob Literature and Eighteenth Century Delhi', in A.K.Sinha (Ed.), *Dimensions in Indian History*, Anamika Publishing, Delhi, 2002, pp.112-116.
2. 'Exploring an Eighteenth Century Religious Centre: Shah-i Mardan at Delhi', *Proceedings of Indian History Congress*, Mysore, 28-30 Dec 2001.
3. 'Survey of 18th Century structural remains of New Delhi Zone', *Proceedings of Indian History Congress*, Bareilly, 28-30 Dec, 2004.
4. 'Economy of the City of Delhi; 1707-1761', *Proceedings of Indian History Congress*, Shanti Niketan, 28-30 Jan., 2006.
5. 'Mapping Eighteenth Century Delhi: The Cityscape of a Pre-Modern Sovereign City', *Proceedings of Indian History Congress*, Calicut, 2007.
6. 'Fairs and Festivals of Eighteenth Century Delhi', *Proceedings of Indian History Congress*, Delhi, 28-30 Dec., 2008.
7. 'Ja'far Zatalli and the historical context', *Proceedings of Indian History Congress*, Kannur, 28-30 Dec., 2009.
8. 'The Last Prime Minister of the Mughals: Mirza Najaf Ali Khan and His Tomb', ed. A. K. Sinha, *Approaches to History, Culture, Art and Archaeology*, Anamika, New Delhi, 2009, pp.676-684.
9. 'The Shurafa and the Razils: the Perception of a Decaying Class in Eighteenth Century Delhi', *Papers from Aligarh Historians Society*, ed. Irfan Habib, AHS Volume, Delhi, 2010.
10. 'Food and Food-Habits of Eighteenth Century Delhi', *Proceedings on the Third Asian Food Study International Conference*, 2013, Shaoxing, China. pp. 279-284.

6. Dr. Ashwin P. Anshu:

Articles:

1. 'The Language of Knowledge: A Case Study of Teaching Learning Practices in Delhi University' (co-written with Dr. Narednra Pandey, RLA, Collge, DU) ; *Delhi University Journal Humanities and Social Sciences* , Delhi University, ISSN 2348-4357.

2. 'Ramkatha, Rambhakts and the University', *Economic and Political weekly*, Vol. 46 No. 46 November 12 - November 17, 2011; ISSN: 00129976.
3. 'Traditional Ramlila of Varanasi', *Power of Creativity for Sustainable Development*, UNESCO, New Delhi, Vol.3, March 2009.
4. 'The Imagined Ayodhya', in Indian Express, New Delhi edition, 22 July 2003.
5. 'System Flunks the Test', in Indian Express, New Delhi edition, 7 June 2002.

7. Sarita Sarsar:

Articles:

1. 'Folk Religion: Mapping the world of pastoral and tribal communities of Medieval Rajasthan', *Ordeals and Voices of Adivasis*, New Delhi, March 2011, pp-134-136.
2. 'Bhukhi Mata (Famine): Its Frequency, Nature and Impact on the Population in Medieval Rajasthan', *Itihas- Sanshodhan Journal*, Central Indian Historical Research Foundation, Gwalior, March 2014, pp- 76- 82, ISSN 22775609.
3. 'Economic contours of Hero's Den: Untalked Dynamics of Gogamedi Shrine in Medieval Rajasthan', *Indian History Congress Proceeding*, Cuttack Session, 28-30, December 2013, pp- 323-327, ISSN 2249-1937.
4. 'Folk Religion: The Historical and Popular Projections of Cult Traditions in Rajasthan', *Itihas- Sanshodhan Journal*, Central Indian Historical Research Foundation, Gwalior, January 2015, pp- 458- 466, ISSN 2277 5609.

8. Nasruddin Khan:

Articles:

1. 'Convicts, Colonial State and the Indian Ocean: Forms of Dissent and Protest among the Prisoners in the Andaman Islands', 1874-98", *Vidya Vimrsha*, Vol. 1/ No. 1, 2014, 136-44, ISSN No. 2348-1668.
2. 'Dominance and Resistance: Chaingang as a mode of Punishment and the response of the Convicts at Andamans", *UPJSSR*, Vol. 4, No. 2, 2013, 121-31, ISSN No. 0975-8852.

FACULTY PRESENTATIONS IN INTERNATIONAL AND NATIONAL SEMINARS:

1. Dr Devesh Vijay:-

International Conferences:-

1. From Village to a Slum', The Twentieth Conference of the International Association of Historians of Asia, Jawaharlal Nehru University, November 2008.
2. Culture and Migration: A Study of Rural Migrants in Delhi's Slums', International Seminar on The Contentious Question of Culture(s) in the Contemporary World held at the Department of Germanic and Romance Studies, University of Delhi, 1-3, March, 2007.

National Conferences and Institutional Seminars:-

1. Ironies of Welfare: Notes from Delhi's Margins, Centre for Policy Research, 30-09-2015. Accessible at <https://www.youtube.com/watch?v=OEGEnnmzw84>
2. Poverty and Privations: Trends over a Quarter Century, Nehru Memorial Museum and Library, July 1, 2015. Accessible at <https://www.youtube.com/watch?v=OXnIW1XTHk4>
3. Struggles for Space: The Biography of a Delhi Slum, Conference on Urban Spaces, Institute of Advance Studies, Shimla, 10-06-15.
4. Discourses on Poverty and Hunger, Lokashray Foundation, New Delhi, September 2014.

5. Changing Caste Order: Glimpses from a Village and a Slum near Delhi, National Seminar on India between Caste and Castelessness in the Era of Liberalization, Privatization and Globalization, Jawaharlal Nehru University, July 2014.
6. Declining Mortality and Rising Morbidity in India: A Micro Perspective from Two Communities on Delhi's Periphery', Workshop on National Health Mission: Achievements and Challenges, Institute of Economic Growth, September 2014
7. The Rural Economy: A Micro-Perspective from Western Uttar Pradesh, , Institute of Economic Growth, 29-08-14
8. Changing Livelihoods in Two Working Class Communities of North India: 1988-2012, Department of Sociology, University of Delhi, September 2014 and also at Centre for the Study of Social Systems, Jawaharlal Nehru University, February 2014.
9. Livelihoods in Transition: Reflections from North Indian Villages, 55th ISLE annual conference, Jawaharlal Nehru University, 16-18 December, 2013, Delhi (International Conference).

2. Dr. Md. Tarique Anwar:

National Seminar:

1. Participated and presented a **paper** titled "Adil Shahi Ruling Elites and their Contribution to the Cultural Enrichment of the Kingdom" at *Centre of Advance Study, Department of History, AMU, Aligarh 23-25 February, 2016*.

3. Dr. Atallah:

National and International Seminars:

1. "Food and Food-Habits of Eighteenth Century Delhi" International Conference at 3rd Asian Food Study Conference: Health and Civilization, held in Shaoxing, China, 25-27 October, 2013.
2. "Description of Delhi in *Jalwa-e Didar*: An unexplored Persian Source of Eighteenth Century", International Seminar on Exploring Delhi's Social and Cultural Traditions Through Persian Literature (Mughal Period), Department of Persian, ZHDC, DU, 7-9 November, 2012.
3. "Zafar Zatalli and the evolution of Hindavi", National Seminar on Farsi and Urdu: Lisani aur Adabi Riwayat, Organized by Anjum-i-Farsi, Zakir Husain Delhi College, University of Delhi, 21-22 April 2016.
4. "Transmission of Knowledge in North India During Eighteenth Century", Presented in a history panel on Literary Culture and Transmission of Knowledge: Historical Roots of making in India, National Conference on Make in India: Policies, Issues and Challenges, 29-30 March 2016, Zakir Husain Delhi College (Evening), University of Delhi.
5. "Language and Contestation in Eighteenth Century India: A Case of Jafar Zatalli", National Conference on Revisiting The 'Eighteenth Century' in Indian History, Department of History and Culture, JMI, 21-22 March, 2012.
6. "Scientific thought in North India during Eighteenth Century", National Seminar on Science and Technology in India: A Study in Historical Perspective. Through The Ages, JNVU, Jodhpur, 20-21 February, 2012.
7. "Delhi Through The Eyes of Indo-Persian Travellers: A Comparison of Two Eighteenth Century Travelogues", Weekly Seminar on 17th April, 2012 at *Nehru Memorial Museum and Library*, New Delhi.
8. "The Shurafa and the Razāls: the Perception of a Decaying Class in Eighteenth Century Delhi", 70th session of IHC, Delhi, 15-17 May, 2010.

4. Dr. Ashwin P. Anshu:

Seminars:

1. Paper presented on 'Religious Identity and Inter-faith Harmony', in International Workshop on "*Peace-Building in 21st Century: Gandhian Perspective*" organized by the Malaviya Centre for Peace Research, Banaras Hindu University, Varanasi in collaboration with the Gandhi Smriti and Darshan Samiti, New Delhi; February 3-4, 2010.
2. "The Language of Knowledge: A Case Study of Teaching Learning Practices in Delhi University" in the Academic Congress, Organised by Delhi University, September 6-7, 2012.
3. "Ramlilas in Modern India: Community, Identity and Performance", in International Conference on "*The Making of Religious Identities: Historical and Contemporary Themes*", March 4-15, 2013, organised by the Centre for Study of Comparative Religions and Civilizations, Jamia Millia Islamia.

5. Sarita Sarsar:

Seminars:

1. 'Folk religion: Interpreting the Cult of Goga Pir in Medieval Rajasthan', National Seminar on *Documentation of Regional History through Archival and Unpublished Records*, Sponsored by ICHR, October 4-5, 2013, Alwar.
2. 'Rebaris as Peripheral Nomads: Politics of Social marginalization and Appropriation in Rajasthan', National Seminar on *Power, Culture and Marginality in India*, 16- 17 march, 2015, Department of Political Science, University of Delhi.
3. 'Gogamedi: Exploring Heroic Abode Of Divinely Goga In Medieval Rajasthan', National Workshop on Histories of Rajasthan: Fresh Approaches, 14- 15 October, 2015, Nehru Memorial Museum and Library.

EVALUATIVE REPORT OF THE DEPARTMENT OF MATHEMATICS

1. **Name of the Department:** MATHEMATICS
2. **Year of Establishment:** 1924
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** UG, PG
4. **Names of Interdisciplinary courses and the departments/units involved:** BSc (Prog)
5. **Annual/ semester/choice based credit system (programme wise):** Semester and choice based credit system
6. **Participation of the department in the courses offered by other departments**
Electronics, Chemistry, Zoology, Botany, Economics, Political Sciences, Phycology , Philosophy
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
NIL
8. **Details of courses/programmes discontinued (if any) with reasons:** NIL
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	03	03
Assistant Professors	10	04 (Permanent) ; 06 (Adhoc)

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. Sanjay Mehra	M.Phil.	Associate Professor	Harmonic Analysis	27	0
Dr. Gurpreet Singh Tuteja	Ph.D.	Associate Professor	Fluid Dynamics	21	0
Dr. Mohd. Arif	Ph.D.	Associate Professor	Space Dynamics	21	0
Dr. Abdullah	Ph.D.	Assistant Professor	Wavelet Analysis	08	0
Mr. Vinay Kumar	M.Sc.	Assistant Professor	Application of Wavelets	06	0
Dr. Dhiraj Kumar Singh	Ph.D.	Assistant Professor	Information Theory	06	0

Mr. Pradeep Kumar Singh	M.Phil.	Assistant Professor	Modelling in Biology	06	0
Ms. Pratima Negi	M.Phil	Assistant Professor	Operations Research	05	0
Dr. Pankaj Sharma	Ph.D.	Assistant Professor	Wavelets and their Applications	04	0
Mr. Vishal Gupta	M.Sc.	Assistant Professor	Group Theory	02	0
Mr. Kailash Dhanuk	M.Sc.	Assistant Professor	Pure Mathematics	01	0
Dr. Kavita Devi	Ph.D.	Assistant Professor	Optimization	01	0
Dr. Majid Ali Chaudhary	Ph.D.	Assistant Professor	Differential Geometry	01	0

11. List of senior visiting faculty: Dr. Naseem Ajmal

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

S.No.	Name of Courses	Percentage of class
1	B.Sc.(H)	30%
2	B.A.(P)	33%
3	B.Sc.(Physical Sciences)	100%
4	Generic Courses	100%

13. Student -Teacher Ratio (programme wise)

S.No.	Name of Courses	Student-Teacher Ratio
1	B.Sc.(H)	18:1
2	B.A.(P)	17:1
3	B.Sc.(Physical Sciences)	20:1
4	Generic Courses	20:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 22 (20 permanent+2 temporary)

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Teaching Faculty
M.Phil.	3
PhD	7
M.Sc.	3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Mr. Pradeep Kumar Singh. Title: "Psychology of Dharma and Happiness in Bhagwat Geeta",

2013-14. An Innovation project funded by University of Delhi. Amount: Rs. 3.5 lacs. (In collaboration with department of Sanskrit and Psychology)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. PUBLICATIONS: (See Annexure-I)

Name	Publications	H-Index	Books Written	Chapters Written	Books/Chapters Edited
Mr. Sanjay Mehra	0	-	0	0	0
Dr. Gurpreet Singh Tuteja	8		1		
Dr. Mohd. Arif	14		3		
Dr. Abdullah	19	3	0		
Mr. Vinay Kumar	2		0	1	
Dr. Dhiraj Kumar Singh	15		0		
Mr. Pradeep Kumar Singh	0		0		
Ms. Pratima Negi	1		0		
Dr. Pankaj Sharma	8		0		
Mr. Vishal Gupta	0		0		
Mr. Kailash Dhanuk	0		0		
Dr. Kavita Devi	5		0		
Dr. Majid Ali Chaudhary	5		0		

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards: NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institution

i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students

Faculty: Dr. G.S. Tuteja

Students: Arunesh Kumar, Abhishek, Vasi-ur-Rehman, Arun Tyagi, Saurabh Kumar Mishra

24. List of eminent academicians and scientists / visitors to the department: NIL

25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.Sc.(H)(CBCS)		56	51	05	100
B.Sc.(H)		46	40	06	100
B.Sc.(H) FYUP		81	69	12	100
M.Sc.		20	13	07	
B.A.(P)		14	10	4	86

27. Diversity of Students

Name of the Course	% of students from the same state (Delhi)	% of students from other States	% of students from abroad
B.Sc.(H)(CBCS)	09	91	00
B.Sc.(H)	8.7	91.3	00
B.Sc.(H) FYUP	26	74	00
M.Sc.	8.3	91.7	00
B.A.(P)	21.4	78.6	00

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Record

29. Student progression

Student progression	Against % enrolled
UG to PG	No Record
PG to M.Phil.	No Record
PG to Ph.D.	No Record
Ph.D. to Post-Doctoral	No Record

<p style="text-align: center;">Employed</p> <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	No Record
Entrepreneurship/Self-employment	No Record

30. Details of Infrastructural facilities

- i. **Library:** Yes
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** 5 Classrooms
- iv. **Laboratories:** 2 Labs

31. Number of students receiving financial assistance from college, university, government or other agencies:

Arunesh Kumar Pandey, Abhishek, Vasi-ur-rehman, Arun Tyagi, Saurabh Kumar Mishra

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Every year the department organize a talk on Personality Development by eminent person from reputed institute in departmental fest ‘OPTIMA’.

33. Teaching methods adopted to improve student learning

The Department follows a learner centered approach where the faculty is sensitive to student’s perspective, talents, interests, capacities and needs. The lectures are supplemented with some assignments which enable students to apply critical thinking skills and learn the course content better. Some faculty members also apply power point presentation of the subjects in the class rooms so that in minimum time students could visualize more. For hands-on practice of students on things which are taught in class rooms Mathematica, Excel etc. softwares are used to keep them updated with the requirement of real time demand of the society.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

- The Department has a team of sincere and diligent faculty members who takes personal interest in mentoring the students of the department and puts best efforts in nurturing the individual talents of the students beyond academics. Most of the faculty members are doctorate and are involved in research.
- Department offers a co-curricular platform to its students by departmental society functions where each student is encouraged to involve in activities like paper presentations, quizzes, posters, discussions, etc. related to applications of mathematics. This helps in enthusing students to develop a passion for their subject and pursue it for higher studies. The strength of department lays in the purity and beauty of relationship which our easily approachable faculty shares with the present as well as ex-students, beyond the text.
- In future the department is planning to invite prominent speakers from

industries/academics to motivate and guide students about various aspects of career and skills to enhance their subject knowledge and develop their academic as well as professional aptitude.

- Field Trips: Department has started field trips for students to combine class room lectures with trips to places of structural importance for students to gain knowledge on role of mathematics in resolving real life problems. Our recent trip to Agra has been informative and explorative, besides being pleasurable.

(Annexure-I)

Faculty	Papers	Books	International Database	Chapter in Books
Dr. Gurpreet Singh Tuteja	8	Practical Mathematics Using Maxima: An Open Source Computer Algebra System, Publisher, IBH, 2012 ISBN: 9789381335215	Thomson Reuters	Chapter published in a book, “ Globalisation and its impact on Deprived section of the society:Dr Ambedker’s perspective” in Kumar Vinay ed.(2014) <i>Dr Ambedker’s Ideology and its contemporary Relevance-I</i> , Patiala
Dr. Mohd. Arif	14	(a) Calculus, Narosa Publications (ISBN: 978-1-84265-771-3) (b) Calculus and Geometry for Physical and Applied Physical Sciences , Book Age Publication (ISBN: 81-89855-01-8) (c) Calculus and Geometry, Book Age Publication (ISBN: 81-89855-01-8)	ELSEVIER; Index Copernicus; Hub SciVerse; Google Scholar; SCImago Journal & Country Rank; SCIRUS; SCOPUS; Directory of Open Access Scholarly Resources; International Standard Serial Number; Global Open Access Portal; Zentralblatt	
Dr. Abdullah	19		<ul style="list-style-type: none"> • Applied Mechanics Reviews • BIOSIS • Cambridge Scientific Abstracts • Computing Reviews • Current Contents/CompuMath • Current Contents/Engineering, Computing & Technology • Mathematical Reviews • INSPEC • SCISEARCH • Science Citation Index • Web of Science • Zentralblatt MATH • Scopus 	
Mr. Vinay	02			1) Lesson: Complex Numbers and their Properties

Kumar				2) Lesson Developer: Vinay Kumar
Dr. Dhiraj Kumar Singh	15		Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS, Zentralblatt Math, Google Scholar, EBSCO, CSA, ProQuest, Academic OneFile, Academic Search, CSA Environmental Sciences, EI-Compendex, Expanded Academic, Mathematical Reviews, OCLC, Referativnyi Zhurnal (VINITI), SCImago, STMA-Z, Summon by ProQuest	
Ms. Pratima Negi	1			
Dr. Pankaj Sharma	8		ACM Guide to Computing Literature, CNKI, Compendex, CompuMath Citation Index [®] , Current Contents [®] /Engineering, Computing & Technology, DBLP Computer Science Bibliography, Ebsco Discovery Service, ExLibris Primo Central, Google Scholar, INSPEC, ISI Alerting Services, Journal Citation Reports/Science Edition, Mathematical Reviews, OCLC WorldCat [®] , Proquest Summon, Science Citation Index Expanded (also known as SciSearch [®]), Scopus, Zentralblatt MATH	
Dr. Kavita Devi	5		<ul style="list-style-type: none"> • Cambridge/Computer and Information Abstracts • Current Contents/Engineering, Computing & Technology • Research Alert • SCISEARCH • Scopus • Science Citation Index Expanded 	
Dr. Majid Ali Chaudhary	5		SCOPUS, Zentralblatt Math, Google Scholar, Mathematical Reviews, OCLC, SCImago, STMA-Z, Summon by ProQuest	

EVALUATIVE REPORT OF THE DEPARTMENT OF PERSIAN

1. Name of the Department: PERSIAN

2. Year of Establishment: 1948

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG and PG

4. Names of Interdisciplinary courses and the departments/units involved

LCC, DCC and CLC Programmes

5. Annual/ semester/choice based credit system (programme wise)

Semester and CBCS

6. Participation of the department in the courses offered by other departments

Urdu and Arabic departments

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	01	01
Assistant Professors	04	03 (Permanent) ; 01 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students Guided for the Last 4years
Dr. Jameelur Rehman	PhD	Associate Professor	Indo Persian Literature	19	
Dr Malik Saleem Javed	PhD	Associate Professor	Indo Persian Literature	9	
Dr. Jamshed Khan	PhD	Associate Professor	Indo Persian Literature	10	
Dr. Farha Adeeba	PhD	Assistant Professor	Indo Persian Literature	01	
Dr. Shahnaz Ara Begum (Adhoc)	PhD	Assistant Professor	Indo Persian Literature	06	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 20%

13. Student -Teacher Ratio (programme wise)

- B.A. (Hons): 15 Students/Teacher (15:1)
- B.A. (Prog): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

All faculties are M.Phil. and PhD holders.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NA

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NA

18. Research Centre /facility recognized by the University: Qand-e-Parsi, Rah-e-Islam etc., research journals are also available in the college library for the research purpose.

19. PUBLICATIONS:

Name	Publications	Books
DR. MALIK SALEEM JAVED	8	2

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards.... : NA

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: NA

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NA

23. Awards / Recognitions received by faculty and students: Three students of b.a.hons course received the awards in this year (2016).

24. List of eminent academicians and scientists / visitors to the department

- Prof.S.H.Qasemi. Former head of the department of persian. D.U.
- Prof Chander shekhar. Head department of persian. D.U.
- Prof. Aleem Ashraf khan.department of persian. D.U.

25. Seminars/ Conferences/Workshops organized & the source of funding

National: A 2-day national seminar organized by the department of Persian by Zakir Husain Delhi College, New Delhi; From 21st April 2016 to 22nd April 2016.

INTERNATIONAL SEMINAR: A 3-day International seminar organised by the department of Persian, Zakir Husain Delhi College from 7th november 2012 to 9th November 2012.

Department of Persian ZHDC organized an academic get together to introduce the department and its services in the field of Persian Language and literature on 26th September 2012.

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.A.(H) PART-I, SEM.-II		10	08	02	
B.A.(H)PART-II,SEM-IV		09	04	05	
B.A.(H)PART-III,SEM-VI		16	10	06	

27. Diversity of Students

Name of the Course	%of students from the same state	% of students from other States	% of students from abroad
B.A.(H)PT-I, CBCS	90	10	0
B.A.(H)PT-II	88	11	0
B.A.(H)PT-III	75	25	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No record

29. Student progression

Student progression	Against % enrolled
UG to PG	40
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- i. **Library:** Yes
- ii. **Internet facilities for Staff & Students:** Yes
- iii. **Class rooms with ICT facility:** Yes
- iv. **Laboratories:** NA

31. Number of students receiving financial assistance from college, university,

government or other agencies: NA

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts: Yes. Organized on 31.3.2016 by Prof Aleem ashraf khan. Department of Persian.

33. Teaching methods adopted to improve student learning

- Student centered teaching methods
- Interaction with native speakers
- Debate and discussions

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
No

35. SWOC analysis of the department and Future plans

Strength: 1) the one of the oldest department in the university of delhi; 2) close proximity with Urdu speaking populous; 3) easy access to transportation.

Opportunities: availability of job opportunities.

Future plans: 1) to publish a peer-reviewed annual journal; 2) to organize academic programmes like seminar, workshops, conferences and lectures to highlight the social and cultural aspects of medieval India present in indo-prrsian literature; 3) to conduct inter-university literary competitions.

EVALUATIVE REPORT OF THE DEPARTMENT OF PHILOSOPHY

1. Name of the Department: PHILOSOPHY

2. Year of Establishment: 1948

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

i. B.A. (Hons) (Philosophy)

ii. B.A. (Prog.)

iii. M.A. (Philosophy)

4. Names of Interdisciplinary courses and the departments/units involved

Name of Course	Departments Involved
B.A.(H) Philosophy	History, English, Political Science, Maths, Economics, Psychology,
B.A.(Prog)	History, English, Political Science, Economics, Psychology,

5. Annual/ semester/choice based credit system (programme wise)

Name of Course	System of Syllabus
B.A. (H) Philosophy 1 st , 2 nd , Semester	Choice Based Credit System
B.A. (H) Philosophy 3 rd , 4 th , 5 th and 6 th Semester	Semester System
B.A. (Program) 1 st , 2 nd Semester	Choice Based Credit System
B.A. (Program) 3 rd and 4 th Semester	Semester System

6. Participation of the department in the courses offered by other departments

Generic Elective – Departments such as History, English, Political Science, Maths, Economics, Psychology.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	02	02
Assistant Professors	03	01 (Permanent) + 02 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. Ashwani Kumar	M.A., M.Phil.	Associate Professor	Analytic Philosophy, Logic, Analytic Epistemology, Phil of language, Mind, Science	31 years	NIL
Dr. Divya Tiwari	M.A., Ph.D.	Associate Professor	Philosophy of religion, Ethics	19 years 6 Months	NIL
Dr. C.V. Babu	M.A., Ph.D.	Assistant Professor	Indian Philosophy Phenomenology Deconstruction	9 years	NIL
Dr. Md. Ehsan	M.A., Ph.D.	Assistant Professor	Ethics, Applied Ethics	4 years 6 months	NIL
Dr. Priyanka Mishra	M.A., M.Phil., Ph.D.	Assistant Professor	Existentialism, Ethics, Indian Philosophy	2 years 4 months	NIL

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

- B.A. (Hons): 36%
- B.A. (Prog): 18%

13. Student -Teacher Ratio (programme wise)

- B.A. (Hons): 15 Students/Teacher
- B.A. (Prog): 20 Students/Teacher

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

4 Ph.D. and 1 M.Phil.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

S.No.	Name of Project	Name of Coordinator	Amount Received	Funding Agency
1	Linguistic Analysis of living Religion	Dr. Divya Tiwari	50,000	ICPR, New Delhi
2	Higher Education for Civil Learning: A Study of Diversity and Discrimination in Higher Education Institutions	Dr. C.V. Babu	2,00000	ICSSR CPRHE/NUEPA

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. PUBLICATIONS:

Name	Publication	Books Written	Chapters Written	Books/Chapters Edited
Mr. Ashwani Kumar			3	
Dr. Divya Tiwari		2		
Dr. C.V. Babu	2		5	1
Dr. Md. Ehsan	6			
Dr. Priyanka Mishra	7		2	

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards.... NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: NA

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: No Records

23. Awards / Recognitions received by faculty and students: NA

24. List of eminent academicians and scientists / visitors to the department

- 1) Prof. H.S. Prasad, Head, Department of Philosophy, Delhi University
- 2) Prof. Ashok Vohra, Department of Philosophy, Delhi University
- 3) Prof Balaganapati, Department of Philosophy, Delhi University
- 4) Prof. V. Sanil, IIT Delhi,
- 5) Prof. Sebastian, University of Punjab
- 6) Prof. R.P. Singh, Centre for Philosophy, J.N.U.
- 7) Prof. Bhagat Oinam, Centre for Philosophy, J.N.U.
- 8) Prof Shashi Matilal, Department of Philosophy, Delhi University
- 9) Prof Pampalni, Kerala University

25. Seminars/ Conferences/Workshops organized & the source of funding:

- The Absolute of Manu Tradition, Department of Philosophy, Zakir Husain Delhi College, Delhi, UGC, 2013.

26. Student profile programme/course wise:

Name of the	Applications	Selected	Enrolled	Pass percentage
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Course/programme	received		Male	Female	
B.A. (Hons.) 1 st year	College does not receive no. of applications as it is centralized process	27	19	8	88%
B.A. (Hons.) 2 nd year		17	9	8	100%
B.A. (Hons.) 3 rd year		18	10	8	100%
B.A. (Prog.) 1 st year		18	-	-	-
B.A. (Prog.) 2 nd year		18	-	-	-
B.A. (Prog.) 3 rd year		36	-	-	-
M.A. (Philosophy) 2 nd year		2	1	1	100%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A. (Hons.) 1 st year	33.33%	66.66%	0
B.A. (Hons.) 2 nd year	47.05%	52.94%	0
B.A. (Hons.) 3 rd year	55.55%	44.44%	0
M.A.(Philosophy) 1 st year	21%	78.9%	0
M.A.(Philosophy) 2 nd year	0	100%	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Record

29. Student progression

Student progression	Against % enrolled
UG to PG	50-60%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

- Library:** One section available in the library.
- Internet facilities for Staff & Students:** Yes.
- Class rooms with ICT facility:** Yes
- Laboratories:** NA

31. Number of students receiving financial assistance from college, university, government or other agencies: NA

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Lectures delivered in the Department

	TOPIC
Prof. Ashok Vohra, DU	“Environmental Ethics and Public Places” <i>February 2014</i>
Prof. V. Sanil, IIT, Delhi	“Heidegger’s Concept of Being” <i>3rd March 2015</i>
Prof. Balaganapathi Devarakonda, University of Delhi	“Buddhist Concept of Happiness” <i>10th February 2016</i>

33. Teaching methods adopted to improve student learning:

- 1) Interactive classes
- 2) Presentation
- 3) Debate and Discussion
- 4) Screening of philosophical movies based on philosophical topics and themes.
- 5) Interaction with eminent academician/professors in philosophy.
- 6) Seminar
- 7) Lectures by eminent Professors.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

NA

35. SWOC analysis of the department and Future plans

STRENGTHS	WEAKNESSES
1. diverse and well represented faculty in terms of specialization as well as experience	No Exchange Programs due to lack of Funds
2. Mentoring of students by departmental teachers.	
3. Cooperation between teaching and non teaching staff of the department	
4. Faculty of the department contributes actively to college corporate life	
OPPORTUNITIES	CHALLENGES
1. Improvement of Teaching Methods	1. To improve student inclination towards pursuing Philosophy in higher studies.
2. Ample Research Opportunities	3. To keep philosophy separate from any religious or political approach.

FUTURE PLANS

- 1) Organization of Seminars/ workshops/ Conferences
- 2) To introduce philosophy as a highly rewarding subject to students
- 3) To make role of philosophy more pronounced in shaping political and cultural milieu.
- 4) Adoption of Smart Teaching Methods
- 5) Departmental Library

EVALUATIVE REPORT OF THE DEPARTMENT OF PHYSICS

1. Name of the Department: PHYSICS

2. Year of Establishment: 1952

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

B.Sc. (Program)—Physical Sciences

4. Names of Interdisciplinary courses and the departments/units involved

Name of Course	Departments Involved
B.Sc.(H) Chemistry	Chemistry, Physics
B.Sc.(H) Mathematics	Mathematics, Physics, Chemistry
B.Sc. Physical Sciences	Chemistry, Physics and Mathematics
Generic Elective	Chemistry, Physics, Electronics, and Mathematics

5. Annual/ semester/choice based credit system (programme wise)

Name of Course	System of Syllabus
B.Sc. (Program) 1 st and 2 nd , Semester	Choice Based Credit System
B.Sc. (Program) 3 rd and 4 th Semester	Old Semester System

6. Participation of the department in the courses offered by other departments

- Generic Elective- Departments such as Chemistry, Physics, Electronics, Mathematics etc.
- Credit Courses- Departments such as Chemistry, Physics, Electronics, Mathematics etc.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	03	02 + 01(Leave)
Assistant Professors	03	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Swati Arora	Ph.D	Associate Prof.	Electronics and Material Science	26	01
Dr. Gayatri Shishodia	Ph.D	Associate Prof.	Solid state Physics, Material Science	22	
Dr. Anita Katna	Ph.D	Associate Prof.	Solid State Physics and Superconductivity, Particle Physics	19	
Mr. Satish Kumar Rajouria	Ph.D (submitted 2015)	Assistant Prof.	Plasma Physics and Material Science	09	
Dr. M. Fahim Ansari	Ph.D	Assistant Prof.	Communication Electronics, Material Science	08	
Dr. Seema Rawat	Ph.D	Assistant Prof.	Electronics, Particle Physics	10	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 12 Students/Teacher (12:1)
- B.Sc. (Prog): 15 Students/Teacher (15:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 12 (10 permanent+1 temporary)

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Teaching Faculty
PhD	5
M.Sc.	1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S. No.	Name of Project	Name of coordinator	Amount Received/lacs	Funding Agency
1	The Impact of Yoga and Physical Exercise on Well-being of Elderly(ZHC-303)	Satish Kumar Rajouria	3.00	DU, DELHI

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

S. No.	Name of Project	Name of coordinator	Name of Co-PI	Amount Received/lacs	Funding Agency
1	Sol-Gel Synthesis of Ferroelectric Perovskites: Chemical Kinetics, Spectroscopic Analysis And Dielectric Characterization	Dr. M. Fahim Ansari	Dr. Seema Rawat	7.76	UGC
2	Synthesis and characterisation of ZnO based Dilute Magnetic Semiconductors	Dr. P.K. Shishodia	Dr. Gayatri Shishodia	10.75	UGC
3	Empowerment of the elderly from the weaker section, Innovative Project (ZH 201)	Dr Shyodan Singh	Satish Kumar Rajouria	3.00	DU
4	The Impact of Yoga and Physical Exercise on Well-being of Elderly(ZHC-303)	Dr Shyodan Singh	Satish Kumar Rajouria	3.50	DU
5	Feasibility studies to improve quality of living and development of low cost efficient techniques to purify potable water in villages: case study with reference to villages of Ajmer(Rajasthan)	Dr. Swati Arora	Dr. M. Fahim Ansari	10.00	DU
6	Development Of Innovative Eco-Friendly Biodegradable Polymer Composites (Substitute For Plastics And Filters): ZH203	Dr. Swati Arora	Dr. M. Fahim Ansari	3.50	DU

18. Research Centre /facility recognized by the University: NIL

19. PUBLICATIONS: (See Annexure-I)

S.No	Faculty	Books Published	National Journal	Intl. Journal	Seminars & Conf.
1	Dr. (Ms) Swati Arora	Chief Editor Science Mag EIT (Eritria Africa)	-	18	21
2	Dr. (Ms) Gayatri Shishodia	-	-	7	2
3	Dr. Anita Katna	-	-	2	0
4	Mr. Satish Kumar Rajouria	-	-	4	9
5	Dr. Mohammad Fahim Ansari	2	3	32	-
6	Dr. (Ms.) SeemaRawat	1	2	6	9

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Board: NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 6% (20 students have done research under DU Innovation

project schemes)

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists / visitors to the department

- i. Prof. AjoyGhatak, Eminent Professor, IIT Delhi
- ii. Prof. R. P. Tandon, Department of Physics and Astro Physics, DU
- iii. Prof. V.K. Tripathi, Eminent Professor, IIT Delhi
- iv. Prof. Ajit Kumar, Professor, IIT Delhi
- v. Prof. S. Annapoorni, Department of Physics and Astro Physics, DU
- vi. Prof. K. Sreenivas, Department of Physics and Astro Physics, DU
- vii. Prof. D. K. Kulshreshtha, Department of Physics and Astro Physics, DU
- viii. Prof. Vinay Gupta, Department of Physics and Astro Physics, DU
- ix. Dr. AshutoshBhardwaj, Department of Physics and Astro Physics, DU
- x. Prof. Vinod Kumar, Department of Engineering/ Nano Science, GGS Indraprastha University, New Delhi

25. Seminars/ Conferences/Workshops organized & the source of funding

National:

- i. National Conference on Recent Advances in Polymer Nanocomposites (UGC, DRDO, CSIR) (Jan 2011).
- ii. National Workshop on Fiber Optics, Photonics and Nano electronics (DST, UGC, DRDO) (Feb 2012).
- iii. National seminar on safe potable water in villages (UGC, DRDO, CSIR) (Jan 2013).

International: NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.Sc.(Prog) Physical Science Sem II		57	49	8	100%
B.Sc.(Prog) Physical Science Sem IV		50	44	6	100%

27. Diversity of Students

Name of the Course	% of students from the same state (Delhi)	% of students from other States	% of students from abroad

B.Sc.(Prog) Physical Science Sem II	28.07018	71.92982	0
B.Sc.(Prog) Physical Science Sem IV	30	70	0
B.Sc. Physical Science (Part I) CBCS	28.07	71.92	0
B.Sc. Physical Science (Part II)	30	70	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

1. Narender Singh Rawat (NET)
2. SumitKadian (NET)

29. Student progression

Student progression	Against % enrolled
UG to PG	10%
PG to M.Phil.	2%
PG to Ph.D.	1%
Ph.D. to Post-Doctoral	0
Employed	NA
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

- i. **Library:** NA
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** 4 Classrooms
- iv. **Laboratories:** 4 Labs + Laser laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies:

1. Naveen Ghatelwal, B.Sc. Physical Sciences II year, OBC Merit scholarship
2. Ashish Kumar, B.Sc. Physical Sciences I year, SC Merit scholarship

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Invited talks and lectures by eminent professors from DU, IIT and CSIR Laboratories are organized by the Physical Science Society of the Department every year in inaugural functions and during national conferences and seminars. Following experts and academicians have delivered talks during society functions.

1. Prof. AjoyGhatak, Eminent Professor, IIT Delhi

2. Prof. R. P. Tandon, Department of Physics and Astro Physics, DU
3. Prof. V.K. Tripathi, Eminent Professor, IIT Delhi
4. Prof. Ajit Kumar, Professor, IIT Delhi
5. Prof. S. Annapoorni, Department of Physics and Astro Physics, DU
6. Prof. K. Sreenivas, Department of Physics and Astro Physics, DU
7. Prof. D. K. Kulshreshtha, Department of Physics and Astro Physics, DU
8. Prof. Vinay Gupta, Department of Physics and Astro Physics, DU
9. Dr. Ashutosh Bhardwaj, Department of Physics and Astro Physics, DU
10. Prof. Vinod Kumar, Department of Engineering/ Nano Science, GGS Indraprastha University, New Delhi

33. Teaching methods adopted to improve student learning

- i. Use of MS-Powerpoint to teach students.
- ii. Use of Videos and Animations to enhance understanding of certain concepts.
- iii. Oral presentation
- iv. Multimedia
- v. Group discussions
- vi. Projects
- vii. Industrial and institute visits

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Students actively participate in NSS Programs, Nature and Environment Club and other societies of the college

35. SWOC analysis of the department and Future plans

STRENGTHS	WEAKNESSES
Strong faculty with diverse specialization	Less space and no machine/physics workshop facilities
Faculty available for guiding Ph.D. students.	
Developed some infrastructure for experimental and theoretical research in Physics, Material Science and Electronics Facilities for teaching and research in Computational Physics	
OPPURTUNITIES	CHALLENGES
Opportunities exist for guiding internship and summer training for post graduate and research students.	The challenge is to maintain the interest of students in Physics and continuing their education in Physics, excelling in limited resources, getting 100% pass percentage
Improvement of Teaching Methods	

FUTURE PLANS:

1. The department possesses very good facilities for introducing B.Sc (Hons) in Physics. Efforts have already been started at college level and proposal has been submitted.
2. It is proposed to organize international conference/ Seminars/workshops

ANNEXURE 1**Dr. SWATI ARORA**

S No	Title with page no.	Journal ISSN/ISBN No.	Publisher (city/country) & year of Publication
1	Degradation analysis of PCDTBT:PC71BM organic solar cells- an insight	Current Applied Physics	Elsevier, The Netherlands, 2015
2	Bulk-heterojunction solar cells with different active layer blends: comparison of experimental and theoretical results	Advanced Materials Letters	VBRI press 2015
3	Influence of donor-acceptor materials on the photovoltaic parameters of conjugated polymer/fullerene solar cells,	J of Mater. Sci. Mater. in Electronics	Springer, New York City, USA 2015
4	Feasibility of Castor Oil Derived Thermosetting Polymer as Low Dielectric Material	Global J for Research Analysis	2015
5	Optimizing P3HT/PCBM/MWCNT films for increased stability in polymer bulk heterojunction solar cells, 3046–3054.	Physics Letters A ISSN: 0375-9601	Elsevier, Amsterdam, Netherlands, 2014
6	Characterization of doped PEDOT:PSS and its influence on the performance and degradation of organic solar cell, 0450202: 1-8	Semiconductor Science and Technology ISSN: 1361-6641	Institute of Physics, UK 2014
7	Improving P3HT:PCBM Based Polymer Solar Cell: Role of Doped PEDOT:PSS Hole Extracting Layer Towards Degradation	IEEE Photo-voltaic Specialist Conference (PVSC)	USA 2014
8	Evaluating Effect of Surface State Density at the Interfaces in Degraded Bulk Heterojunction Organic Solar Cell, 3044–3046.	Physica B ISSN: 0921-4526	Elsevier, Amsterdam, Netherlands 2012
9	Degradation in bulk heterojunction organic solar cells: changes in electrode interface and reduction in the occupation probability of the interface states, 9899:1-6	Journal of Polymer Research ISSN: 1572-8935	Springer, New York City, USA 2012
10	Effects of aging on the mobility and lifetime of carriers in organic bulk heterojunction solar cells, 063111:1-8	J of Renewable and Sustainable Energy ISSN 1941-7012	American Institute of Physics, USA 2011
11	Ultra violet electroluminescence from Zinc Oxide nanorods/ Deoxyribonucleic acid hybrid bio light emitting diode	Journal of Nano Photonics, ISSN: 1934-2608, page: 0595005-1-6	SPIE, USA 2011
12	An anomalous behaviour in degraded bulk heterojunction organic solar cells, 065803 (5pp)	Physica Scripta ISSN 1402-4896	Institute of Physics, UK, 2011

13	Role of donor–acceptor domain formation and interface states in initial degradation of P3HT:PCBM-based solar cells 035804:1-6,	PhysicaScripta ISSN 1402-4896	Institute of Physics, UK 2010
14	Influence of Surface States on Current Voltage Characteristics of M-I-pSi Solar Cells	J of Physics D: Applied Physics, ISSN 1361-6463, page: 100-105	Institute of Physics, UK 1992
15	Role of Interfacial oxide thickness and surface states in the performance of MIS Solar Cells	Solid State Electronics, ISSN: 0038-1101, page: 259	Elsevier, Amsterdam, Netherlands
16	Effect of location and Distribution of Surface States at Si-SiO ₂ Interface on the performance of MOS and SOI Solar Cells	Eighth E.C. Photovoltaic Solar Energy Conference: Proceedings of the International Conference, ISBN: 902772816X, 9789027728166, pages: 1437-1440	Kluwer Academic Publishers, Italy 1988
17	Non-linear Propagation of Amplitude Modulated Electromagnetic Beam in a Dusty Plasma, pages: 67-68	XXV ICPIG International Conference on Phenomena in Ionized Gases, ISBN: 4990091507 9784990091507	2001
18	Transport Properties of bulk amorphous Ge ₂₀ Se _{80-x} Bi _x system, pages: 1-19	Proceeding of International Centre for Theoretical Physics, ICTP, Italy	ICTP, Italy 1990

Dr. GAYATRI SHISHODIA

Publication/s with ISSN/ISBN No.	
Journals ISSN: 0022-0248	Effect of hydrogen annealing on structural and optical properties of ZnSe thin films .J. Crystal Growth 100, 281 (1990)
ISSN : 0261-8028	Growth of high mobility CdS thin films. J. Materials Science Letters 9, 547 (1990).
ISSN : 0003-6395	Effect of UV exposure on optical properties of amorphous As ₂ S ₃ thin films. Applied Optics 29, 1971 (1990).
ISSN :0021-8979	Effect of laser irradiation on structural and electrical properties of CdS thin films. J. Applied Physics 67, 6214 (1990).
ISSN : 0040-6090	Fabrication of low resistive CdS thin films. Thin Solid Films 201, L1 (1991).
	Growth and characterization of CdS thin films suitable for device applications. 6 th International Workshop on Physics of Semiconductor Devices , P. 407, (1991).

ISSN: 0022-2461	Growth and characterization of CuInSe ₂ thin films. J. Material Science 28, 35 (1993).
ISSN: 3-936338-12-4	Effect of Sb-doping on dark and photoconductivity of CuInSe ₂ thin films. Proceedings of International Conference PV in Europe – From PV Technology to Energy Solutions” Rome, Italy. Oct. 7 – 11, 2002, page-52.
ISSN : 0022-3093	Plasma enhanced chemical vapor deposition of ZnO thin films. Journal of Non-Crystalline Solids, 352 (2006), 2343.

Dr. ANITA KATNA

ISSN No.	Journal name, paper title, vol, year
2469-9985	Charge symmetry breaking effects in nucleon-nucleon scattering derived from quark model. Anita Awasthi and V.S. Bhasin, Phys. Rev. C53,50 (1996)
2469-9985	Charge symmetry breaking effects in neutron-proton scattering derived from quark model. Anita Awasthi and V.S. Bhasin, Phys. Rev. C60,014307(1999)

Satish Kr. Rajouria

1089- 7674	Satish Kr. Rajouria , Magesh Kr. K. K. and V. K. Tripathi, Nonlinear resonance absorption of laser in an inhomogeneous plasma, Phys. Plasmas 20, 083112 (2013).
0022-3727	Manoj Kumar, Satish Kr Rajouria and Magesh Kr. K. K., Effect of pulse slippage on beatwave THz generation in a rippled density magnetized plasma, Journal of Physics D: Applied Physics 46, 435501(2013).
1089- 7674	Satish Kr Rajouria , H. K. Malik, V. K. Tripathi, and Pawan Kumar, Step density model of laser sustained ion channel and Coulomb explosion, Phys. Plasmas 22, 023104 (2015)
1402- 4896	Swati Arora, Satish Kumar Rajouria , Pankaj Kumar, P K Bhatnagar, Manoj Arora and R P Tandon, Role of donor-acceptor domain formation and interface states in initial degradation of P3HT:PCBM based solar cells, Phys. Scr. 83 (2011) 035804 (6pp) doi:10.1088/0031 8949/83/03/035804

Dr. M. Fahim Ansari

ISSN: 1548-0569	Abhilash Kumar, Manisha Chawla, Nitish Bhardwaj and M. Fahim , Dielectric properties of castor oil derived polymer filled with sol-gel derived strontium barium niobate (Sr _{0.3} Ba _{0.7} Nb ₂ O ₆) ferroelectric powder, Polym Compos. doi: 10.1002/pc.23787
ISSN: 2277-8160	Saral Baweja, Rishav Kakati, Swati Arora and M. Fahim Feasibility of Castor Oil Derived Thermosetting Polymer as Low Dielectric Material, Global Journal For Research Analysis, Vol. 4(3), Mar 2015, p 1
ISSN: 2277-8179	Manasi Singhi, Narender Singh Rawat, M. Fahim , Synthesis and dielectric characterization of –COOH functionalized MWCNT filled PMMA nanocomposites, Intl J Sci. Res, Vol. 4(10), October 2015
ISSN: 2277-8179	Abhilash Kumar, Manisha Chawla and M. Fahim Dielectric properties of novel Sr _{0.3} Ba _{0.7} TiO ₃ -Sr _{0.3} Ba _{0.7} Nb ₂ O ₆ composite ceramic, Intl J Sci. Res., Vol.4, Issue 3 (Mar 2015), p. 18-22

ISSN: 2277-8179	SarikaSoni, Arvind Bajaj, ManishaChawla and M. Fahim , Low temperature sintering of sol-gel derived PZT ceramics, Intl J Sci. Res., Vol.4 Issue 3 (Mar 2015), p 27-30
ISSN: 2277-8160	ManishaChawla, Monika Rawat, SeemaRawat and M. Fahim , Sol-gel derived Barium Strontium ZirconateTitanate ($Ba_{0.8}Sr_{0.2})(Zr_{0.2}Ti_{0.8})O_3$ powder and ceramics, Global Journal of Res. and Analysis, Vol IV, Issue 3 (Mar 2015), p 1-4
ISSN: 2277-8160	Monika Rawat, ManishaChawla, SeemaRawat and M. Fahim , Synthesis and Characterization of Sol-gel derived Barium Calcium ZirconateTitanate ($Ba_{0.8}Ca_{0.2})(Zr_{0.2}Ti_{0.8})O_3$ powder and ceramics, Global Journal of Res. and Analysis, Vol IV, Issue 3 (Mar 2015), p 4-7
ISSN: 2277-8179	Narendra Singh Rawat, ManishaChawla, SeemaRawat and M. Fahim Dielectric behavior of perovskite Barium Titanate and Barium Strontium titanate ceramics, Intl J Sci. Res., Vol. 4, Issue 3 (Mar 2015), p 23-26
ISSN: 2277-8179	Dielectric, thermal and rheological behaviour of graphene-PMMA nanocomposites, ManasiSinghi and M. Fahim , Intl. J Sci. Res, Vol. 3 (11) (Nov. 2014), 45-50
ISSN: 2277-8179	Comparative rheology of graphene-PS and graphene-PMMA nanocomposites, ManasiSinghi and M. Fahim , Intl. J Sci. Res, Vol. 3 (11) (Nov. 2014), 455-459
ISSN: 1548-0569	Dielectric, electrical and rheological characterization of graphene filled polystyrene nanocomposites, SoumyajitBasu, ManasiSinghi, Bhabani K. Satapathy and M. Fahim , Polymer Composites, Vol. 34(12), (2013), 2082–2093
ISSN: 1548-0569	Dielectric Properties of Nanographite-Filled PMMA Composites Prepared by In Situ Polymerization, ManasiSinghi and M. Fahim , Polymer Composites, Vol. 33 (5), (2012) 675–682
ISSN: 0921-5093	Correlation of mechanical and tribological properties of organosilane modified cenosphere filled high density polyethylene, Navin Chand, Prabhat Sharma, M. Fahim , Materials Science and Engineering A 527 (2010) 5873
ISSN: 0043-1648	Tribology of maleic anhydride modified rice-husk filled polyvinylchloride, Navin Chand, Prabhat Sharma, M. Fahim , Wear 269 (2010) 847–853
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ISSN: 0043-1648	Optimization of weave of carbon fabric for best combination of strength and tribo-performance of polyetherimide composites in adhesive wear mode, R. Rattan, J. Bijwe and M. Fahim , Wear, 264, (1-2), (2008) p 96-105
ISSN: 0301-679X	Abrasive wear performance of carbon fabric reinforced polyetherimide composites: Influence of content and orientation of fabric, J. Bijwe, Rekha Rattan and M. Fahim , Tribology International, 40 (2007) 844
ISSN: 0043-1648	Influence of weave of carbon fabric on low amplitude oscillating wear performance of polyetherimide composites, RekhaRatan, J. Bijwe and M. Fahim , Wear, 262 (5-6), (2007) 727
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0022-3727 (print)	Pyroelectric properties of phosphoric acid doped TGS single crystals, Aparna Saxena, M. Fahim , Vinay Gupta and K. Sreenivas, J Phys D: Appl. Phys, 36 (2003) 3168
Print ISSN: 0731-6844	Friction and wear performance evaluation of carbon fiber reinforced PTFE composite, J. Bijwe, S. Neje, J. Indumathi and M. Fahim , J Reinf. Plast. and Comp., 21 (13) (2002) 1221
Print ISSN: 0731-6844	Statistical data analysis of abrasive wear performance of polyetherimide and composites, M. Fahim , J. Indumathi and J. Bijwe, J Reinf. Plast and Composites, 20 (12) (2001) 101
ISSN: 0043-1648	Friction and wear behaviour of polyetherimide composites in various wear modes, J. Bijwe, J. Indumathi, J. John Rajesh and M. Fahim , Wear 249 (2001) 715
ISSN: 0043-1648	Wear of cryotreated engineering polymers and composites, J. Indumathi, J. Bijwe, A. Ghosh, M. Fahim and N. Krishnaraj, Wear 225-229 (1999) 343
Print ISSN: 1023-8883	Hardness estimated from the indentation of a spherical body: Some implications for nanoindentation test results, M.S. Bobji, M. Fahim and S.K. Biswas, Tribol. Letts., 2 (1996) 381
Print ISSN: 1023-8883	Irradiation effects on the abrasive wear of glass fiber vinylester composites, Navin Chand and M. Fahim , Tribol. Letts., 3 (1997) 157
Print ISSN: 1023-8883	Effect of laser irradiation on abrasive wear of glass fiber polyester composite, Navin Chand and M. Fahim , Tribol. Letts 2 (1996) 81
Print ISSN: 1023-8883	Modelling the effect of artificial weathering on abrasive wear behaviour of glass-polyester composites, Navin Chand and M. Fahim , Tribol. Letts., 2 (1996) 151
Print ISSN: 1023-8883	Role of polymeric matrices in improving wear resistance of irradiated FRP composites, Navin Chand and M. Fahim , Tribol. Letts 1 (1995) 301
Print ISSN: 0261-8028	Effect of Co gamma irradiation on interface and abrasive wear of glass fiber reinforced polyester composite, N. Chand, M. Fahim and S.G. Hossain, J Mat. Sci. Letts 12 (1993) 1603
0971-4588 (Print)	Theory of Abrasive wear mechanism for FRP composite, Navin Chand, B. Majumdar and M. Fahim , Ind, J of Engg, and Mat. Sci., 1 (1994) 273
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0022-4456 (Print)	Navin Chand and M. Fahim , Abrasive wear behaviour of GRP composites, Research and Industry, 40 (1995) 182

Books Written	Chapters Written
Navin Chand and M.Fahim , Tribology of Natural Fiber Polymer Composites, Woodhead Publishing	M. Fahim and J. Paulo Davim, Tribology of Functionalised carbon nanofillers based polymer composites, in Tribology of Polymer Composites (Ed) J. Paulo Davim, Nova Science Publishers, US

Limited, London (2008)	(2010)
Navin Chand and M. Fahim , An Introduction to Tribology of FRP Materials, Allied Publishes, New Delhi, India (2000)	J. Bijwe and M. Fahim , Tribology of High Performance Engineering Polymers, in Advanced Functional Molecules and Polymers, ed, H.S. Nalwa, vol. 4, Physical properties and applications, Chapter 8, Gordon and Breach, (2001)
	M. Fahim , J. Bijwe and H.S. Nalwa, Polyimides for Microelectronics and Tribology Applications, in Supramolecular, photosensitive and electroactive materials, ed. H.S. Nalwa, Academic Publishers, (2001)

Dr. Seema Rawat

2222-2234	Quaternionic Formulation of Supersymmetric Quantum Mechanics"; SeemaRawat , O.P.S. Negi; <i>International journal of Theoretical Physics</i> 2009,48(2):305-314
2222-2234	Quaternion Dirac Equation and Supersymmetry"; SeemaRawat , O.P.S. Negi; <i>International journal of Theoretical Physics</i> 2009, 48(8): 2222-2234
	"Reformulation of Spontaneous symmetry breaking and Weinberg-Salam Model"; A.S.Rawat, SeemaRawat and O.P.S. Negi; <i>IL Nuovo cim.</i> ,112A (1999)1583
3274-3289	Supersymmetrization of Quaternion Dirac Equation for Generalized Field of Dyons"; A.S. Rawat, SeemaRawat , Tianjun Li, O.P.S. Negi; <i>International journal of Theoretical Physics</i> 03/2012;51(10):3274-3289
2249-3247	Quaternionic Formulation of Dirac Equation"; SeemaRawat and O.P.S. Negi; <i>International journal of Theoretical and Applied Science</i> 3(2):1-5(2011);ISSNNo. (Print): 0975-1718; ISSN No.(online)2249-3247
2249-3247	Supersymmetrization of Harmonic Oscillator"; SeemaRawat; <i>International journal of Theoretical and Applied Science</i> ; ISSN No.(Print):0975-1718; ISSN No.(Online):2249-3247
ISSN: 2277-8160	ManishaChawla, Monika Rawat, SeemaRawat and M. Fahim, Sol-gel derived Barium Strontium ZirconateTitanate ($Ba_{0.8}Sr_{0.2})(Zr_{0.2}Ti_{0.8})O_3$ powder and ceramics, Global Journal of Res. and Analysis, Vol IV, Issue 3 (Mar 2015), p 1-4
ISSN: 2277-8160	Monika Rawat, ManishaChawla, SeemaRawat and M. Fahim, Synthesis and Characterization of Sol-gel derived Barium Calcium ZirconateTitanate ($Ba_{0.8}Ca_{0.2})(Zr_{0.2}Ti_{0.8})O_3$ powder and ceramics, Global Journal of Res. and Analysis, Vol IV, Issue 3 (Mar 2015), p 4-7
ISSN: 2277-8179	Narendra Singh Rawat, ManishaChawla, SeemaRawat and M. Fahim: Dielectric behavior of perovskite Barium Titanate and Barium Strontium titanate ceramics, Intl J Sci. Res., Vol. 4, Issue 3 (Mar 2015), p 23-26

Books Written

Fundamentals of Medical Imaging Technology, Vikas Publishing House., NOIDA, India, ISBN: 978-93-259-6918-6

EVALUATIVE REPORT OF THE DEPARTMENT OF POLITICAL SCIENCE**1. Name of the Department: POLITICAL SCIENCE****2. Year of Establishment: 1948****3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

(i). B.A. (Hons.) Political Science

(ii). B.A. (Programme)

(iii). M.A. Political Science

4. Names of Interdisciplinary courses and the departments/units involved

S. No.	Courses Offered
1.	B.A. Hons. (Interdisciplinary and Concurrent)
2.	B.A. Prog. (Applied courses)
3.	B.A. Hons. Generic Elective
4.	Foundation Course (B.A. Programme)
6.	Courses in lieu of M.I.L.

5. Annual/ semester/choice based credit system (programme wise)

Name of Course	System of Syllabus
B.A.(Hons.) Political Science 1 st , 2 nd Semester	Choice Based Credit System
B.A. (Hons.) Political Science 3 rd , 4 th , 5 th and 6 th Semester	Old Semester System
B.A. (Prog.) 1 st , 2 nd Semester	Choice Based Credit System
B.A. (Prog.) 3 rd and 4 th Semester	Old Semester System

6. Participation of the department in the courses offered by other departments:

- Generic Elective – Departments like History, Philosophy, Hindi, English, Urdu, Psychology, Economics, Sanskrit, etc.
- Skill Enhancement (AECC) – Departments like History, Philosophy, Hindi, English, Urdu, Psychology, Economics, Sanskrit, etc.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL**8. Details of courses/programmes discontinued (if any) with reasons:** NIL**9. Number of teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	01	01
Assistant Professors	15	11 (Permanent) ; 04 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4years
Dr.Uma Shankar	Ph.D.	Associate Professor	Afghanistan studies, International Relations, South Asia, US Foreign Policy, Comparative Politics, Post-Conflict Stabilisation	22 years	
Mr. Ravi Ranjan	M.Phil.	Assistant Professor	Political Theory and Thought, Development Politics and Indian Politics	12 years and 6 months	
Dr. Sonu Trivedi	Ph.D.	Assistant Professor	Area Studies— Southeast Asia (Myanmar and Indonesia); Indian Government and Politics; and Public Administration	9 years and 9 months	
Ms.Savita Singh	M.Phil.	Assistant Professor	International Relations and United Nations	6 years	
Dr. Sanjeev Kumar	Ph.D.	Assistant Professor	Political Theory, Indian Political Thought, Disaster and Conflict Studies	10 years	
Mr. L. Bidhanchandra Singh	M.Phil.	Assistant Professor	Political Theory	9 years	
Dr. Aftab Alam	Ph.D.	Assistant Professor	Indian Politics, Political Theory, South Asia	6 years	
Ms. Manashi Misra	M.Phil.	Assistant Professor	Political Theory, Feminist Theory.	5 years	
Mr. Nijwm K. Bwiswmuthiary	M.Phil.	Assistant Professor	International Relations	5 years	

Dr. Vasudha Dhingra Bahl	Ph.D.	Assistant Professor	International Relations, International Political Economy, International Organizations	6 years	
Dr. Om Prakash	Ph.D.	Assistant Professor	Indian Politics, Comparative Politics, Political Economy	7 Years and 5 Months	01
Dr. Priya Naik	Ph.D.	Assistant Professor	International Relations, History of Indian princely states, Colonial India, Political Thought	8 years and 4 months	
Ms. Kamla (Ad hoc)	M.Phil.	Assistant Professor	Public Administration, Indian Political Thought	8.5 years	
Dr. Shabana Azmi(Ad hoc)	Ph.D.	Assistant Professor	Public Administration	4 years	
Ms. Bobby Sorokhaibam (Ad hoc)	M.Phil.	Assistant Professor	International Relations	4 years and 8 months	
Mr. Md. Mosharrif Alam (Ad hoc)	M.Phil.	Assistant Professor	International Relations, West Asia, Human Rights	1 year	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

- B.A. Hons. : 25.8% (2015-2016)
- B.A. Prog.: 51.42% (2015-2016)

13. Student -Teacher Ratio (programme wise)

- B.A. (Hons): 15 Students/Teacher (15:1)
- B.A. (Prog): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

MPhil.	08
MPhil. and PhD	08

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

a) National

S. No.	Name of Project	Name of Coordinator	Amount Received (Rs)	Funding Agency
1.	The Af-Pak Strategy and the International Responses	Dr. Uma Shankar	7,76,475	ICSSR
2.	The US' Af-Pak Strategy and Prospects for Peace and Stability in Afghanistan	Dr. Uma Shankar	4,38,800	UGC
3.	Democratisation in Myanmar: Progress and Prospects	Dr. Sonu Trivedi	3,59,050	ICSSR
4.	Dynamics of India-China Engagement in Myanmar	Dr. Sonu Trivedi	8,46,025	ICSSR
5.	National Reconciliation Process in Myanmar	Dr. Sonu Trivedi	2,52,000	UGC
6.	Re-working the 'Knowledge Structures' in International Relations: Some Indian Contributions	Dr. Priya Naik (in collaboration with nine scholars from outside the Department)	40,00,000	ICSSR

b) International

S. No.	Name of Project	Name of Coordinator	Amount Received	Funding Agency
1.	Governance, Identity and Sovereignty in Princely India (1921-1947) [Research to be conducted in the UK]	Dr. Priya Naik	1400 British pounds	Charles Wallace Trust

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. PUBLICATIONS: (See Annexure-I)

Name	Publications	Books Written	Chapters Written
Dr. Uma Shankar	11	01	01
Mr. Ravi Ranjan	08	01	05
Dr. Sonu Trivedi	24	04	09

Ms. Savita Singh	-	-	-
Dr. Sanjeev Kumar	07	01	06
Mr. Bidhan Laishram	02	-	-
Dr. Aftab Alam	05	-	05
Ms. Manashi Mishra	-	-	-
Mr. Nijwm Bwismuthiary	-	-	-
Dr. Vasudha Dhingra	01	01	-
Dr. Om Prakash	04	-	02
Dr. Priya Naik	-	-	-
Ms. Kamala	05	-	05
Ms. Bobby Sorokhoibam	-	-	-
Dr. Shabana Azmi	05	-	05
Mr. Md. Mosharraf Alam	01	-	01

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....

a. National committees:

1. **Mr.Ravi Ranjan:** Member, Drafting Committee on Lokpal Bill; Executive Committee of Indian Association for Asia Pacific Studies (IAAPS); All India Right to Education Forum; Asian Political and International Studies Association (APISA)]
2. **Dr. Sonu Trivedi:** Member, Myanmar Core Group, Indian Council of World Affairs, New Delhi 2014; Member of Research Pool, Indian Council of Social Science Research.
3. **Dr. Aftab Alam:** Member, Expert Committee on ‘Socio-Economic and Educational Status of Jat Community in 9 States’, Committee constituted on behalf of National Commission for Backward Classes (NCBC), Ministry of Social Justice & Empowerment, GOI, New Delhi and submitted a Report (February 2014) on the same.

b. International Committees:

1. **Dr. Uma Shankar:** Member, American Institute of Afghanistan Studies.
2. **Dr. Aftab Alam:** Member, International Political Science Association (**IPSA**), **Canada**; Midwest Political Science Association (**MPSA**), **USA**; European Association for South Asian Studies (**EASAS**), **Europe**; Swedish South Asian Studies Network (**SASNET**), **Lund University, Sweden**; The Japanese Association for South Asian Studies (**JASAS**), **Japan**; Indian Sociological Society (**ISS**), New Delhi.
3. **Dr. Shabana Azmi:** Member, International Studies Association.

c. Editorial Board:

1. **Dr. Sonu Trivedi:** Editorial Board, International Journal of Social Sciences and Humanity Studies (IJ-SSHS) Publisher: The Social Sciences Research Society, ISSN: 1309-8063 (2016).

2. **Dr. Sanjeev Kumar** Editor of the special issue on “**Gender**” published by Samvad: A forum For the Study of Social Sciences, (Jan-June) 2007.

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme:** 100% of our students are engaged in compulsory in-house course-work. These projects are also the main ways of grading the academic proficiency of students.

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:** NA

23. Awards / Recognitions received by faculty and students: No Record

24. List of eminent academicians and scientists / visitors to the department

Name	Affiliation
Achin Vanaik, Prof.	Department of Political Science, Delhi University
Antony Copley, Prof.	School of History, University of Kent
Apoorvanand, Prof.	Department of Hindi, Delhi University
Ari Sitas, Prof.	Industrial Sociology & Global Studies Convener, University of Cape Town
Ashok Acharya, Prof.	Department of Political Science, Delhi University
Bindu Puri, Prof.	Centre for Philosophy, JNU
Dinesh Singh, Prof.	Delhi University
Douglas Allen, Prof.	Department of Philosophy, University of Maine
G. Hargopal, Prof.	Department of Political Science, Central University of Hyderabad
Gautam Navlakha	Editorial Consultant, EPW
George Mathew, Dr.	Institute of Social Sciences
Gopal Guru, Prof.	Centre for Political Studies, Jawaharlal Nehru University.
Gurpreet Mahajan, Prof.	Centre for Political Studies, Jawaharlal Nehru University.
Harish Wankhede	Centre for Political Studies, Jawaharlal Nehru University.
Harsh Mander	Centre for Equity Studies
Jaya Jaitley	Former President, Samata Party
John Dayal	Member, National Integration Council
Kamal Mitra Chenoy, Prof.	Jawaharlal Nehru University
Kamla Bhasin	SAHMAT
Kapila Vatsyayan	Founder and Chairperson, Indira Gandhi National Centre for Arts

Kazuya Ishii, Prof.	Kagawa University, Japan
Kuldip Nayyar	Former Member, Rajya Sabha
Luis Cabrera, Prof.	Associate Professor, Griffith Business School
M.P. Singh, Prof., Retd.	Department of Political Science, Delhi University.
Madhulika Bannerjee, Prof.	Department of Political Science, Delhi University.
Mani Shankar Aiyar	MP, Rajya Sabha
Manoranjan Mohanty, Prof.	Department of Political Science, Delhi University.
Nandini Sundar	Department of Sociology, Delhi School of Economics
Nivedita Menon, Prof.	Centre for Women Studies, Jawaharlal Nehru University
Praful Bidwai	Journalist, political analyst, activist
Rajinder Sachar, Justice	Former Chief Justice, Delhi High Court
Rumki Basu, Prof.	Department of Political Science, Jamia Millia Islamia.
S.D. Muni, Prof.	Observer Research Foundation
Satish Deshpande, Prof.	Department of Sociology, Delhi School of Economics
Sayeeda Hameed	Ex-member Planning Commission.
Seema Mustafa	Editor in Chief, The Citizen
Shashi Tharoor	MP, Lok Sabha
Shyam Saran	Former Foreign Secretary, Government of India
Sudha Pai, Prof.	Centre for Political Studies, JNU
Sukhdeo Thorat, Prof.	Chairman, Indian Council of Social Science Research.
Sukrita Paul, Dr.	Poet, critic, academician
T.K. Oommen, Prof., Retd.	CSS, JNU
Thomas Pantham, Prof.	Former Professor of Political Science, M.S. University, Baroda
Uday Bhanu Singh	Institute for Defence Studies and Analysis
Ujjwal Kr. Singh, Prof.	Department of Political Science, Delhi University.
Uma Chakravarti, Dr.	Miranda House, University of Delhi
Upendra Baxi, Prof.	Professor, University of Warwick
Valerian Rodrigues, Prof.	Centre for Political Studies, Jawaharlal Nehru University.
Veena Sikri, Prof.	Professor, Jamia Millia Islamia
Vidhu Verma, Prof.	Centre for Political Studies, Jawaharlal Nehru University.
Vinit Haksar, Prof.	Honorary Fellow, University of Edinburgh
Wajahat Habibullah	Ex-Chief Information Commissioner , India
Yogendra Yadav, Prof.	CSDS (Lokniti)/Leader, founder Swaraj Abhiyan

Zoya Hasan, Prof., Retd

Centre for Political Studies, Jawaharlal Nehru University.

25. Seminars/ Conferences/Workshops organized & the source of funding**a) National:**

S. No.	Title of the Conference/Workshop	Name of Organizer	Brief Details
1.	<i>Re-imagining India: Exclusion and Inclusion</i>	Dr. Sonu Trivedi and Mr. Ravi Ranjan	Funded by UGC, held at Zakir Husain Delhi College, 20-21 February, 2008
2.	<i>Mainstreaming Minorities: Human Rights Discourse</i>	Dr. Sonu Trivedi, Dr. Aftab Alam, Dr. Sanjeev Kumar.	Funded by UGC, held at Zakir Husain Delhi College, University of Delhi, 12-13 February, 2013
3.	National Social Science Researchers' Colloquium on <i>Researching the Contemporary India</i>	Mr. Ravi Ranjan	Organized by Developing Countries Research Centre (DCRC), University of Delhi, 16-17 April 2015.
4.	<i>Ways of Seeing: Critical Questions on Indian Political Thought</i>	Dr. Priya Naik	Sponsored by UGC, organized by Political Science Department, Zakir Husain Delhi College, New Delhi March 8, 2016

b) International:

S. No.	Title of the Conference/Workshop	Name of Organizer	Brief Details
1.	<i>Democratisation in Myanmar: Implications for the World Today</i>	Dr. Sonu Trivedi	Sponsored by ICSSR. Held at Zakir Husain Delhi College, 3-4 March, 2011
2.	<i>Political Transition in India's Neighbourhood: Afghanistan and Myanmar</i>	Dr. Sonu Trivedi and Dr. Uma Shankar	Held at Zakir Husain Delhi College, 11 th April, 2014
3.	<i>Gandhi and the Contemporary World</i>	Dr. Sanjeev Kumar	Sponsored by UGC, ICSSR, ICPR, ICCR and University of Delhi. Held at Conference Centre, University of Delhi on 24-25 February 2016

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage	Year
			Male	Female		
B.A (H), Political Science, Part I, CBCS	DU Centralized Admission	98	59	39	96.7%	2015

B.A. (H), Political Science, Part II	DU Centralized Admission	92	67	25	96%	2015
B.A. Honours, Political Science, Part III (FYUP)	DU Centralized Admission	99	60	39	100%	2015
B.A. (Hons.) Political Science, Part I	DU Centralized Admission	111	-	-	89.18%	2014
B.A. (Hons.) Political Science, Part II	DU Centralized Admission	84	-	-	96.4%	2014
B.A. (Hons.) Political Science, Part III	DU Centralized Admission	95			100%	2014
B.A. (Hons.) Political Science, Part I	DU Centralized Admission	85			87.05%	2013
B.A. (Hons.) Political Science, Part II	DU Centralized Admission	94			100%	2013
B.A. (Hons.) Political Science, Part III	DU Centralized Admission	95			100%	2013
M.A. Political Science, Part I, Semester II	DU Centralized Admission	11	08	03		2015-2016
M.A. Political Science, Part II, Semester IV	DU Centralized Admission	05	03	02		2015-2016

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad*
B.A (H) Political Science, Semester II	54.1	42.8	3.1
B.A (H) Political Science, Semester IV	57.6	42.4	0
B.A. (H), Political Science, Semester VI	64.6	35.3	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Record

29. Student progression

Student progression	Against %enrolled
UG to PG	Every year approximately 75 % of our students pursue Post-Graduation (either full-time from regular Universities or part-time from School of Open Learning or other Open Universities).
PG to M.Phil.	Some of our students pursue M. Phil. degree from national universities every year.
PG to Ph.D.	A few of our students are enrolled for PhD in various universities.
Ph.D. to Post-Doctoral	A few students pursuing academics opt for Post-Doctoral research.

<p>Employed</p> <ul style="list-style-type: none"> •Campus selection •Other than campus recruitment 	<p>-Campus selection is hardly possible for our students as most of them are interested in higher studies. Every year almost 75% of our students join PG level degree programmes such as Masters in Political Science (from regular or open universities), Masters in Social Work, LLB, Journalism and Mass Communication, and B.Ed.</p> <p>-Each year, many of our students have cleared various competitive examinations such as NET/ SLET/ SSC/ Defence/ Central/ State Services examinations.</p> <p>-Over the years, many of our former students have been appointed as faculty members in various Central and State Universities. A few of them are also teaching in private institutions of higher learning.</p> <p>-Some of our students have also joined the Defence Services.</p> <p>-Some are also employed at media houses (both print and electronic).</p> <p>-Our students are also professionally associated with the development sector and NGOs.</p>
<p>Entrepreneurship/Self-employment</p>	<p>-Some students have joined their family business.</p> <p>-A few of them are also self-employed.</p>

30. Details of Infrastructural facilities

- i. **Library:** The college library has a separate Political Science section of books, which offers a diverse collection of study materials.
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** Yes
- iv. **Laboratories:** NA

31. Number of students receiving financial assistance from college, university, government or other agencies:

A number of students receive financial assistance and scholarships from the college, university and other agencies. The following is a record of scholarships and fee concessions received by students for the academic years 2013-14, 2014-15 and 2015-16.

S.NO.	Years/Semester	No. of Students	Types of Financial Assistance/ Scholarship
1.	I	25	Fee Concession
2.	II	11	Fee Concession
3.	III	22	Fee Concession
4.	I	19	World Brotherhood Organisation (2015-16) Scholarship

32. Details on student enrichment programmes (special lectures / workshops

/seminar) with external experts

S. No	Date	Event	Resource Person
1.	September 6, 2012	Film screening: ' <i>Izzatnagar ki Asabhya Betiyan</i> ' (<i>Immoral Daughters in the Land of Honour</i>)	Nakul Singh Sawhney (film director)
2.a.	October 11, 2012	International Day of the Girl Child: Panel Discussion on 'Let me be—I am a Girl'	Kamla Bhasin (SAHMAT) and Dr. Satish Agnihotri (IAS)
2.b.		International Day of the Girl Child: Film Screening of <i>Jalpari: The Desert Mermaid</i>	Nila Madhab Panda (film director)
3.	November 2, 2012	Talk on "Nehru and the Post-Colonial State: Questions on India's Foreign Policy"	Srinath Raghavan (CPR) Vineet Thakur (JNU)
4. a.	November 8, 2012	Talk on "Nuclear Power: Who needs it and who pays for it and how"	Prafal Bidwai (late eminent journalist)
4. b.		Film screening of <i>War and Peace</i>	Anand Patwardhan (film director)
5.	January 22, 2013	Talk on "India's Nuclear Policy: The Necessity of Regional and Global Disarmament"	Achin Vanaik (formerly with DU)
6.	Feb. 12-13, 2013	National seminar on "Mainstreaming Minorities: A Human Rights Discourse"	Justice Rajinder Sachar, Zoya Hasan, Manoranjan Mohanty, Gautam Navlakha to name a few.
7.	February 25, 2013	Interactive discussion on India's foreign policy in the region	Deb Mukherjee (former ambassador to Nepal, Pakistan and Bangladesh)
8.	March 20, 2013	Talk on "Indian Political Theory: Possibilities and Limitations"	Yogendra Yadav (Formerly with AAP)
9.	March 21, 2013	Film screening of <i>Mera Apna Sheher</i>	Sameera Jain (film director)
	April 22, 2013	Launch of the first issue of Department Magazine <i>Awaaz</i> (Freedom of Expression)	Department of Political Science, ZHDC
10.	October 24, 2013	Talk on "The Poster as an Archive for the History of Resistance"	Uma Chakravarti (Miranda House)
11.	March 24, 2014	Film screening of <i>The World Before Her</i>	Nisha Pahuja (Film Director))

12.	April 11, 2014	Conference on 'Political Transition in India's neighbourhood: Afghanistan and Myanmar'	Amb. Rajiv Bhatia, Amb. I.P. Khosla, Kuldip Nayar (veteran journalist), Siddharth Varadarajan (eminent journalist), S.D. Muni (ORF) among others
13.	August-September 2014	Screening of the television series <i>Samvidhan</i>	Sonu Trivedi (Dept of Political Science, ZHDC)
14.	October 28, 2014	Talk on 'Nation, Community and Gender'	Nivedita Menon (JNU)
15.	February 5, 2015	Talk	Tara Gandhi (Gandhi Study Circle)
	March 30, 2015	Launch of second issue of Department magazine <i>Awaaz</i> (Election: the biggest festival of democracy)	Department of Political Science, ZHDC
16.	September 16, 2015	Film screening of <i>Muzaffarnagar Baaqi Hai</i>	Nakul Singh Sawhney (film director)
17.	October 9, 2015	Panel discussion on Labour Law Reforms in India	Prabhu Mahapatra (University of Delhi), Rohit (JNU), Amit Chakrabarty, Ram Niwas (former worker with Maruti Suzuki plant, Manesar)
18.	October 15, 2015	Visit of students' and teachers' delegation from Myanmar	Sonu Trivedi (Dept of Political Science, ZHDC)
19.	October 27, 2015	Talk on "Teaching under Difficult Circumstances"	Krishna Kumar (eminent educationist)
20.	October 30, 2015	Writing workshop	Dr. Vijendra Kumar (Hindi dept, ZHDC) and Dr. Namrata Chakravarty (English dept, ZHDC)
21.	February 18, 2016	Memorial seminar: "The Revolutionary teacher : Randhir Singh and the Idea of the University"	Manoranjan Mohanty (DU), Dilip Simeon (Formerly with DU), Ujjwal Kumar Singh (DU) and Madhulika Banerjee (DU)
22.	February 12 2016	Interactive session on 'Privatization of Education'	Madhu Prasad (retd. Associate Professor, Dept of Philosophy, ZHDC)

23.	March 8, 2016	National seminar on 'Ways of Seeing: Critical Questions on Indian political thought'	P.K. Datta (JNU), Ananya Vajpai (CSDS) to name a few
24.	March 12, 2016	Annual inter-college department fest Abhivyakti	Department of Political Science
25.	March 19, 2016	Panel discussion on 'Nation and Nationalism'	Achin Vanaik (formerly with DU), Madhulika Banerjee (DU), Apoorvanand (DU), Urmilesh (journalist with RSTV) and Satish Deshpande (DU)
26.	April 8, 2016	Chat with a Diplomat	Mr. Robert Kemp (Deputy Minister Counselor for Economy, Trade and Technology Affairs from the Embassy of United States of America)
27.	April 12, 2016	Launch of third issue of Department magazine <i>Awaaz</i> (Right to life)	Department of Political Science, ZHDC

33. Teaching methods adopted to improve student learning

1. Class Lectures
2. Paper and power point presentations by students
3. Newspaper editorials and journal articles
4. Field study
5. Writing workshop
6. Improvement of logical reasoning through objective type questions
7. Teaching through the medium of film screening
8. Lectures and interactive sessions with external experts of the subject
9. Capacity-building programmes for guidance in competitive and entrance examinations
10. Educational tours to Parliament and the like.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NIL

35. SWOC analysis of the department and Future plans

Strengths:

Faculty members:

- Second largest department in the college
- 50% Gender equality
- Colleagues represent diverse regional and ethnic backgrounds
- 08 PhD holders with different areas of specialization
- Specialization in almost all areas of Political Science
- Active participation in seminars, workshops, conferences at both national and

international levels

Students:

- Represent a wide range of social, economic and cultural diversity of India
- Some are foreign nationals from SAARC countries, South-East Asian and African nations
- Many are academically sound with excellent results in the University exams. Some are University toppers
- Every year, many students qualify for post-graduate entrance examinations in Delhi University, Jawaharlal Nehru University, Jamia Millia Islamia University, and other educational institutions of national repute.
- AVAAM, the Political Science Society of teachers and students, helps in encouraging student participation and inculcating social and political responsibilities
- Active participation in various co-curricular activities such as debates, theatre, sports, etc. at the department, college, and University levels

Weaknesses:

- Lack of research infrastructure and facilities
- No provision for allotment of MPhil/PhD students to college teachers as supervisors
- Shortage of time in semester system to complete the exhaustive syllabus effectively
- Lack of books for students' use
- Lack of reading material in Hindi
- Prolonged appointments on ad hoc basis
- Pending promotions are discouraging
- Student-teacher ratio is off-balance

Opportunities

- 02 permanent positions for Assistant Professors
- Plans to initiate a journal of faculty publications
- Immense potential to collaborate on various academic projects with fellow colleagues
- Strengthening AVAAM for social and political inclusiveness

Challenges

- Managing large number of students, for which we need more sections
- Providing research facilities to the faculty members
- Providing study material in Hindi to the students
- Provision of day care facilities for colleagues with small children, which is a pressing need, in tandem with expected longer work hours.

FUTURE PLANS

- To increase inter-departmental activities
- We plan to start a weekly book club for students.
- To adopt more hands-on teaching-learning skills.
- To adopt 'smart technology' in classroom teaching.
- To use unconventional teaching methods and techniques.
- To initiate and build an inter-college political science community.
- To collaborate with public funded institutions, NGO's, research organizations.
- To initiate an in-house research journal for students.
- To organize interactive sessions with people who are directly associated with fighting social injustice.
- To involve students in translating the available material from English to other languages.

ANNEXURE – I

PUBLICATION IN JOURNALS

TITLE	Journal	Year, Vol. & Page No.	ISSN No.	Whether peer reviewed
I. Dr. UMA SHANKAR				
1. <i>The International Peacebuilding: Recent Experiences</i>	(EIJSR)	September 2015 vol.2. Issue 4 p. 59-73	ISSN 2394-4242	Yes
2. <i>The US' Enhanced Partnership with Pakistan Act 2009 : A Critical Evaluation</i>	(EIJER)	March 2015 Vol. 1 Issue: 8 P.1-10	ISSN: 2349-8838	Yes
3. <i>Obama's Af-Pak Strategy and its Implications for South Asia</i>	Journal of Himalayan Research and Cultural Foundation	January-June 2011, vol.15 no.1-2 P.89-107	ISBN: 0971-9318	Yes
4. <i>Problems and Prospects of Constitutional Government In Afghanistan</i>	Journal of Himalayan Research and Cultural Foundation,	April-September 2004, Vol.8, No.2-3, P.34-73	ISSN: 0971-9318	Yes
5. <i>Strategic Significance of Afghanistan after the Cold War</i>	Journal of Himalayan Research and Cultural Foundation,	January-March 2002 Vol. 6, No.1.	ISBN: 0971-9318	Yes
6. <i>India's Afghan Policy: An Evaluation</i>	CONTEMPORARY CENTRAL ASIA published jointly by the Central Asian Studies Foundation (Regd.), JNU, New Delhi and Maulana Azad Institute of Asian Studies, Kolkata,	2003 Vol. 6, No.1-2, P.55-72	registration no. S/42207 17 th of April,2002	Yes
7. <i>Challenges of Conflict Resolution and State Building in Afghanistan</i>	CONTEMPORARY CENTRAL ASIA published jointly by the Central Asian Studies Foundation (Regd.), JNU, New Delhi and Maulana Azad Institute of Asian Studies, Kolkata,	April-August 2000 Vol. 4 No. 1-2, P.74-85	registration no. S/42207 17 th of April,2002	Yes

8. <i>India's Foreign Policy in Historical Perspective</i>	<i>JIGYANSA, (Bi-Annual Journal of Social Science) published for the Department of Political Science, Zakir Husain College, DU.</i>	1997 No.2, PP. 46-57	<i>Journal Discontinued</i>	
9. <i>Political Thought of B.R. Ambedkar</i>	<i>JIGYANSA, (Bi-Annual Journal of Social Science) published for the Department of Political Science, Zakir Husain College, DU.</i>	1996 No.1, P.32-39	<i>Journal Discontinued</i>	
II. Mr. RAVI RANJAN				
1. 'Gandhi and Ambedkar on Human Dignity'	<i>Gandhi Marg (Quarterly)</i>	2015, Vol.37, No. 2 July-September	ISSN 0016-4437	Yes
2. 'Interrogating the Conceptualization of Human Dignity: A Human rights Perspective'	<i>Social Action,</i>	2015, Vol 65, No.3 July-September	ISSN 0037-7627	Yes
III. Dr. SONU TRIVEDI				
1. Early Indian Influence in Southeast Asia: Revitalizing Partnership between India and Indonesia	<i>India Quarterly</i>	Vol. 66, No.1, March 2010. pp 51-68.	ISSN: 0974-9284	Refereed
2. Politics of Regionalism in the World Economy	<i>India Quarterly</i>	Vol. LXI, No.2; April-June, 2005. pp. 82-115.	ISSN: 0974-9284	Refereed
3. AU and EU: A Comparative Study in Continental Integration	<i>India Quarterly</i>	Vol. 59. No. 3-4, July-Dec, 2003. pp. 30-56.	ISSN: 0974-9284	Refereed
4. Mainstreaming Gender in War Against Terrorism in South Asia	<i>Review of International Affairs</i>	Vol. LVI. No. 1119, July-September 2005.	ISSN: 0486-6096	Refereed
5. African Unity: The Move Forward	<i>World Affairs</i>	Vol. 13.No.1, 2009, pp. 12-30.	ISSN : 0971-8052	Refereed
6. SAARC-COMESA: Exploring South-South Co-operation	<i>Journal of Developing Societies</i>	Vol. 22. No. 1, March 2006. pp. 57-73.	ISSN: 0974-9284	Refereed

7. Reconstruction of Regional Cooperation in South Asia in the post 9/11 era	<i>Atlantic Journal of World Affairs</i>	Vol. 3(1), 2008, pp 76-85.		
8. Democratisation in Myanmar: Progress and Prospects	<i>World Focus</i>	Vol. XXVIII, No. 6, June 2007, pp 213-218.	ISSN: 2230- 8458	
9. State of the Discipline	<i>Indian Journal of Political Science</i>	Vol. 6, No. 1, Jan-March 2006, pp 21-30.	ISSN:0019-5510	Yes
10. Regional Cooperation and Integration in Africa	<i>Africa Quarterly</i>	Vol. 47, No. 3, 2007, pp. 36-45.	ISSN: 0001-9828	
11. Common Market for Eastern and Southern Africa	<i>Africa Quarterly</i>	Vol. 44, No. 2, 2004, pp.89-111.	ISSN: 0001-9828	
IV. Mr. BIDHAN LAISHRAM				
1.Review of Maoist and Other Armed Conflicts, by Anuradha M, Chenoy and Kamal A. Mitra Chenoy	South Asian History and Culture	2012, Vol.3, Issue. 1, pp. 151-153	ISSN: 1947-2498 (Print), 1947-2501 (Online)	Yes
2. 'The Body as a Site of Resistance' Review of ' Burning Bright: Irom Sharmila and the Struggle for Peace in Manipur by Deepti Priya Mehrotra	Biblio: A Review of Books	2009, Sept-Oct., pp. 27-28	ISSN: 0971-8982	NA
V. Dr. OM PRAKASH				
1. Review of, Roma Chatterjee and Deepak Mehta (eds), <i>Living with Violence: An Anthropology of Events and Everyday Life</i> and Amrita Basu and Supriya Roy (eds), <i>Violence and Democracy in India</i>	<i>Indian Journal of Gender Studies</i>	Vol 16, No.3	New Delhi: Sage DOI 10.1177/097152150901600307. Pp.435-442	Yes
2. Review of Ajay Gudavarthy, <i>Maoism, Democracy and Globalisation: Cross Currents in Indian Politics,</i>	<i>Studies in Indian Politics</i>	Vol.3 No. 2, 2015	New Delhi: Sage. DOI 10.1177/2321023015601752, Pp. 296-298.	Yes

BOOKS WRITTEN/EDITED

BOOK TITLE	ISBN No.	Name of Publisher	Sole Author / Co Author
I. Dr. UMA SHANKAR			

<i>1. STATE BUILDING IN AFGHANISTAN: Linkages with International Politics</i>	ISBN:978-81-89901-52-3	Academic Excellence Publisher, Delhi, 2008 P.592	Sole Author
II. Mr. RAVI RANJAN			
1. Essays on Modernism, Democracy and Well-being: A Gandhian Perspective (Co-authored)	978-93-515-0811-3	Sage Publications	Co Author
III. Dr. SONU TRIVEDI			
<i>1. A Handbook of International Organizations</i>	ISBN 81-269-0431-3	Atlantic Publishers and Distributors, New Delhi, India (2005)	Sonu Trivedi
<i>2. COMESA, European Union and SAARC: Regional Economic Cooperation and Integration</i>	ISBN 81-7708-098-9	New Century Publishers, New Delhi, India (2005)	Sonu Trivedi
<i>3. Transition from Authoritarianism to Democracy: A Comparative Study of Indonesia and Myanmar</i>	ISBN 978-8126920242	Atlantic Publishers and Distributors, New Delhi, India (2015)	Sonu Trivedi
<i>4. Democratisation in Myanmar: Progress and Prospects</i>		Approved for Publication by ICSSR (Forthcoming)	Sonu Trivedi
IV. Dr. SANJEEV KUMAR			
<i>1. Proceedings of International Conference on “Gandhi and the Contemporary World”, 2016. (Edited)</i>	ISBN- 978-93-84224-47-9.	Victorious Publishers(Delhi-India)	Sanjeev Kumar
V. Dr. VASUDHA DHINGRA			
<i>1. International Monetary Fund and World Bank: Aspects of Convergence and Divergence</i>	Not given	Dr. Mueller, VDM Verlag, Germany, 2010	Sole Author

CHAPTERS PUBLISHED IN BOOKS:

Book Title	Chapter Title	Names of Authors	Year and Page No.s	Name of Publisher (International/ National)	ISBN No.
I. Dr. UMA SHANKAR					

1. <i>AFGHANISTAN: THE CHALLENGE (Ed)</i>	Problems and Prospects of Constitutional Government In Afghanistan	K. Warikoo	2007. P.49-80	Pentagon Press under the auspices of Himalayan Research and Cultural Foundation, New Delhi National	ISBN:81-8274-254-4
II. Mr. RAVI RANJAN					
1. <i>India's 2014 Elections: Modi-led Sweep Replaces Coalition System</i>	Reclaiming the Capital: BJP's Clean Sweep in Delhi	Paul Wallace (edited)	2015	Sage Publications (International)	978-93-515-0187-9
2. <i>India's 2014 Elections: Modi-led Sweep Replaces Coalition System</i>	"Saffron Deluge Inundates Masters of Mandal Politics in Bihar" (Co- Authored with Maneesha Roy)	Paul Wallace (edited)	2015	Sage Publications (International)	978-93-515-0187-9
3. <i>State of Business and Political Ethics in Present Socio-Economic System</i>	Money Cannot Buy Dignity: The Ethical Limits of Business	Chaytanya Bora (editor)	2015	Book Age Publications (National)	978-93-83281-31-2
4. <i>Democracy and Development in India's North East: Challenges and Opportunities</i>	Interrogating Nation Building and Democratization in India: Colligating Developmental Disparity violent Conflict and Dehumanization in North-East India	L S Gassah and C J Thomas (editor)	2015	ICSSR North Eastern regional Centre Shillong and Bookwell, (National)	978-93-80574-74-5
5. <i>Perspective on Asia Pacific,</i>	Is India Shining Treating Unequal Unequally: Linking Developmental Disparity, Conflict and Resistance Movements in Jharkhand and Chhattisgarh	Proceedings of the Indian Association for Asian and Pacific Studies, Sixth Biennial International Conference, Kolkatta	2014	Maha Bodhi Book Agency (National)	978-93-80336-95-4
III. Dr. SONU TRIVEDI					
1. <i>India's Foreign Policy in Contemporary Era</i>	Exploring Opportunities and Competitive Advantage: India-Myanmar Relations	N. Surjit Kumar, Ngalengnam , Sohiamlung Dangmei	Forth coming	Ruby Press (National)	ISBN: 9789382395 225

2. <i>Political Economy of India's Northeast Border</i>	Dynamics of India-Myanmar Border Trade	Sreeradha Datta and Sayantani Sen Mazumdar	2015	Pentagon Press (National)	ISBN: 978-81-8274-822-4
3. <i>Change in Myanmar</i>	India-Myanmar: Rebuilding Synergies and Strengthening Partnership	Rajiv K. Bhatia, Vijay Sakhuja, Vikash Ranjan	2014	Shipra Publications (National)	ISBN : 9788175417588
4. <i>Sino-Indian Relations: Challenges And Opportunities For 21st Century</i>	Myanmar and Dynamics of India-China Engagement	Sudhir Kumar Singh	2011	Pentagon Press (National)	ISBN : 9788182745216
5. <i>Contemporary Africa: Issues and Concerns</i>	Strengthening African Capacities: India-COMESA Relations	Islam Ali and Ashutosh Trivedi	2011	Global Vision Publication (National)	ISBN : 9788182203716
6. <i>Quest for Participatory Democracy</i>	Participatory Democracy, Grassroots movement	Anand Kumar and Manish Tiwari	2010	Rawat Publication (National)	ISBN 81-316-0330-X
7. <i>Cultural Diversity Governance and Policy: India-Australia, New Delhi</i>	Multiculturalism: Australian and Indian Perspective	D. Gopal and Alan Mayne	2009	Shipra Publications (National)	ISBN: 978-81-7541-476-1
8. <i>Post 9/11 Indian Foreign Policy: Challenges and Opportunities, New Delhi</i>	India Indonesia Relation: Time to Rebuild Synergies	Sudhir Kumar Singh	2009	Pentagon Press (National)	ISBN 978-81-8274-363-2
9. <i>Studies in World Affairs, Vol. II, New Delhi:(Vol. II)</i>	European Union: Origin, Growth and Enlargement	K.R. Gupta	2006	Atlantic Publishers and Distributors (National)	ISBN 81-269-0496-8.
IV. Dr. SANJEEV KUMAR					
1. <i>Tulnaatmak Rajniti (Hindi) : Sansthain evam Parikriyain</i>	“Loktantrikaran ”	SANJEEV KUMAR	2016	New,Delhi:Orient Blackkswan	ISBN- 978-81-250-6140-3
2. <i>Citizenship in a Globalizing World</i>	“Historical Development of Citizenship”	SANJEEV KUMAR	2012	New Delhi: Pearson Education	ISBN- 978-81-317-6094-9. pp.1-14.

3. <i>India in a Globalising Era :A Multidisciplinary perspectives</i>	“Globalisation and Disasters: Conundrums of Globalised Bhuj”	SANJEEV KUMAR	2009	Delhi:Manak Publications	ISBN-978-81-7831-161-6 pp.298-310.
4. <i>Contemporary India</i>	“Coalition Politics in India: Characteristics and Performance”	SANJEEV KUMAR	2009	New Delhi: Pearson Education	SBN- 978-81-3171-929-9. pp-277-287.
5. <i>Human Rights, Gender and Environment</i>	Environmental Movement in India”	SANJEEV KUMAR	2006	New Delhi: Viva Publication	ISBN: 81-309-0409-8. pp.453-457.
6. <i>Comparative Politics: Institutions and Processes</i>	Democratisation (New Delhi: Macmillan),	SANJEEV KUMAR	2013	New Delhi: Macmillan	ISBN: 935-059-310-6 pp-357-378
V. Dr. AFTAB ALAM					
1. <i>Unequal Worlds: Discrimination and Social Inequality in Modern India</i>	Discrimination and Exclusion: A Case of Dalit Muslims in India	Md. Aftab Alam	2015, 371-395	Oxford University Press (International)	0-19-945328-4
2. <i>Indian Political Thought</i>	Iqbal: Community	Md. Aftab Alam	2015	University of Delhi	978-93-80172-72-9
3. <i>Colonialism in India</i>	Early Indian Responses to Colonialism: Exploring the Peasant and Tribal Uprisings of 19th & 20th century	Md. Aftab Alam	2014	Institute of Life-Long Learning, University of Delhi	978-93-85611-41-4
4. <i>Political Processes in India</i>	Caste Discrimination and Affirmative Action Policies	Md. Aftab Alam	2015	Institute of Life-Long Learning, University of Delhi	2349-154X
5. <i>Political Processes in India</i>	Majority and Minority Communalism	Md. Aftab Alam	2015	Institute of Life-Long Learning, University of Delhi	2349-154X
VI. Dr. OM PRAKASH					
1. <i>More than Maoism: Politics, Policies and Insurgencies in South Asia</i>	Experience of Negotiating with Naxalites in Andhra Pradesh	Robin Jeffrey (et.al) eds.	2012, Pp. 191-220	New Delhi: Manohar	ISBN: 978-81-7304-933-0. 2.

2.	Rise and Growth of Communalism in British India	Dr. BS Gautam (ed.)		ILLL/VLE at http://vle.du.ac.in/ Delhi University	978-93-85611-45-2.
VII. Mr. MOSHARRAF ALAM					
1. <i>Contemporary West Asia: The Emerging Scenario</i>	Human Rights of Minorities in Contemporary Iraq	Mosharraaf Alam	2014	Global Books Organisation, New Delhi	ISBN: 978-93-80570-74-7
VIII. Ms. KAMLA					
1. <i>Bhartiya Rajnitic Chintan</i>	Abul Fazl : Shashan Aivam Prashashan	Ruchi Tyagi (Edited)	2010	Hindi Maadhyam Karyanvaya Nideshalaya (Delhi, India)	978-93-80172-27-9
2. <i>Bhartiya Rajnitic Chintan</i>	Samaj Sanrachna : Jaati, Gender Aivam Varga	Ruchi Tyagi (Edited)	2010	Hindi Maadhyam Karyanvaya Nideshalaya (Delhi, India)	978-93-80172-27-9
3. <i>Indian Political Thought - Themes and thinkers</i>	Abul Fazl : Governance and Administration	M.P Singh and Himanshu Roy (Edited)	2011	Pearson Publication	9788131758519
4. <i>Bhartiya Rajnitic Chintan</i>	Abul Fazl	Ajay Kumar and Islam Ali (Edited)	2012	Pearson (Delhi, India)	978-81-317-5998-1
5. <i>Bharat Mein Upniveshavad Avam Rashtravad</i>	Aarthik Rashtavaad : Sanskriti , Samaj Aur Pahchan	Himanshu Roy (Edited)	2013	Hindi Maadhyam Karyanvaya Nideshalaya (Delhi, India)	978-93-80172-27-9
IX. Dr. SHABANA AZMI					
1. <i>Understanding Political Theory</i>	Theorising the Political	Dr. B. S Gautam	2013	Institute of Lifelong Learning	2349-154X
2. <i>Political Theory</i>	Should the state intervene in the Institution of Family?	Dr. B. S Gautam	2014	Institute of Lifelong Learning	2349-154X
3. <i>Nationalism in India</i>	Peasants, Workers and Tribal movement	Dr. B. S Gautnam	2014	Institute of Lifelong Learning	2349-154X
4. <i>Rajneetik Siddhant ki samajh</i>	Kya Rajya ko parivar ke sansthan me hatshep karna chayie?	Dr. B. S Gautam	2014	Institute of Lifelong Learning	2349-154X

5. <i>Rajneetik Siddhant ki samajh</i>	Rajniti ka siddhantikiran	Dr. B. S Gautam	2014	Institute of Lifelong Learning	2349-154X
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PAPERS PRESENTED IN INTERNATIONAL AND NATIONAL CONFERENCES/WORKSHOPS/SEMINARS

<u>Dr. UMA SHANKAR</u>					
S. No	Title of paper	Venue	Date and Year		
1	Interrogating Developmental Disparity and Displacement in India: A Study of Land Acquisition for Mining and Resistance Movements in Jharkhand and Chhattisgarh	International Conference on Development-Induced Displacement and Resettlement: Bridging Research and Practice, Filling the Knowledge Gaps, Refugee Studies Centre, Department for International Development, QEH, University of Oxford	22-23	March,	2013
2	Is India Shining Treating Unequal Unequally? Linking Developmental Disparity, Conflict and Resistance Movements in Jharkhand and Chhattisgarh	6 th Biannual International Conference of Indian Association for Asia Pacific Studies, South Asian Department, Calcutta University, Kolkatta.	17-19	December,	2012
3	Foreign Policy Beyond Statist Discourse: Mapping the Impact of Citizen Diplomacy on India Pakistan Relations	International Seminar on India's Foreign Policy: Continuity and Change, Department of Political Science, Indira Gandhi National Tribal University, Regional Campus, Imphal, Manipur	16-17	March,	2012
4	Is Nation Building Treating Unequal Unequally?: Linking Developmental Disparity and Naxalism in India	International Seminar On Nation-Building in Multicultural Society, The Rajiv Gandhi Chair in Contemporary Studies, University of Allahabad, UP	4	-5	March, 2011
5	Securing the Insecure: Analyzing Social Security System for Street Vendors of Delhi	International workshop on Social Security and Social Protection in South Asia, Developing Countries Research Centre, University of Delhi	30-31	January,	2009
6	Delivering Justice at the Grassroots: A Critical Study of Gram Nyayalaya Bill 2007	Asian Political and International Studies Association (APISA), Third International Congress on Asian Conceptions of Justice, New Delhi	23-25	November,	2007
7	Fictional or Functional Gandhigiri: The Political Screening of LageRahoMunnaBhai	International Conference on 'Globalization of the Gandhian Way: Sociology, Politics and Science of Satyagraha (1906-2006)', in New Delhi and West Champaran (Bihar), Gandhi Peace Foundation, New Delhi in collaboration with Centre for study of Social System, JNU, New Delhi	13-20	November,	2007
<u>DR. SONU TRIVEDI</u>					
1	Geo-Political Construct of the Indo-Pacific Region: Australian Perspective	International Conference on <i>India-Australia Relations and Evolving Poly-centric World Order</i> , IGNOU, New	26-27,	November	2015

		Delhi	
2	Transition in Indonesia and Myanmar: Variations in Regime Outcome	International Conference on <i>Asia-Pacific: 70 Years after the War</i> , East Asia Research Programme, ICRIER, New Delhi	23-24, November 2015
3	BCIM Corridor—Looking from the Northeast: Opportunities and Challenges for Myanmar	International Conference on <i>India-Myanmar Relations: Looking from the Borders</i> , Institute of Social Sciences, New Delhi	28-29, September 2015
4	BCIM: Myanmar Perspective	International Seminar on <i>Act East and Northeast: Opportunities and Challenges for India's Northeast</i> , Care Luit, Guwahati.	22 August, 2015
5	Innovations in Governance and Public Administration	International Conference on <i>Innovative Trends in Engineering Sciences & Management</i> , Patel Group of Institution, Indore.	13-14 March, 2015
6	Census in Myanmar: A Long Road Ahead	<i>International Burma Studies Conference</i> , National University of Singapore	1-3 August, 2014
7	Corporate Social Responsibility: Chinese Soft Power Strategy in Myanmar	<i>6th All India Conference on China Studies</i> , IIM Kozhikode	12-14 December, 2013
8	Political Process and Reconciliation in Myanmar	Second Annual Conference on <i>Inside Southeast Asia</i> , organized by Institute of Peace and Conflict Studies, New Delhi	24 December, 2012
9	Dynamics of India-China Engagement in Myanmar	<i>Fifth All India Conference on China Studies</i> , Visva-Bharati, Shantiniketan	15-16 December, 2012
10	Democratisation in Myanmar: The Challenge of Change	International Seminar on <i>Democratisation in Burma: Challenges and Prospects</i> , Institute of Social Science, New Delhi	18-19 May, 2012
11	Mutual Perception between India and China	India-China Dynamics in Southeast Asia, Department of International Relations, Tsinghua University, Beijing, China	15 November, 2011
12	Asian Conception of Justice	International Conference, <i>Military Rule in Myanmar and the Issue of Trans-National Justice</i> , APISA and DCRC	23-25 November, 2007
13	Cultural Diversity, Governance and Policy: India-Australia	International Conference on <i>Multiculturalism: Australian and Indian Perspective</i> , IGNOU and Australia-India Council, New Delhi	5-6 February, 2007
<u>DR. SANJEEV KUMAR</u>			
1	<i>Citizenship and the challenges of Globalisation</i>	International Conference on <i>Global Justice and the Global South</i> , University of Delhi & School of Open	25-27 April, 2014

		Learning.	
<u>DR. PRIYA NAIK</u>			
1	“All the Kings Men: Regal Ministers of Eclipsed Empires”	IIC, New Delhi, Alternative Cosmologies and Knowledge Systems in International Relations	11-12 January, 2016
2	“Local Perspectives of the Global: A Constructivist Analysis of India’s Foreign Service Institute”	IIC, New Delhi, Indian Association of International Studies (IAIS).	10-12 December, 2012
3	“Mimesis in Museums, Art and Sovereignty: An Exploration Into the Absence of a Non-Western Theory in International Relations”, 28-30 September 2012, Post Graduate Institute of Archeology, Colombo, Sri Lanka.	Post Graduate Institute of Archeology, Colombo, Sri Lanka.	28-30 September 2012
<u>DR.VASUDHA DHINGRA</u>			
1	Understanding the changing dynamics of global governance through the engagement of ‘global’ environmental movement with the World Banks	Annual International Studies Convention, Jawaharlal Nehru University, New Delhi.	10- 12December, 2013
2	World Bank’s engagement with the ‘global’ women’s movement	Brown International Advanced Research Institute (BIARI) workshop on Development and Inequality in the Global South, Brown University, Rhode Island, USA	4- 17 June 2011
3	Private Redefining Global Public-Partnerships: Institutional Responses of the World Bank to the Global Women’s Movement	19 th Academic Council on United Nations System (ACUNS)-American Society on International Law (ASIL) Summer Workshop on ‘Global Public-Private Partnerships’, University of Alberta, Edmonton, Canada	20 – 29 July, 2009
4	Understanding Cosmopolitanism through the lens of ‘Global’ Women’s Movement	XVI CSSS-SEPHIS International Cultural Workshop on “Empire, Nation, Cosmopolitanism, Jaipur, India	23-28 January, 2011
<u>DR. OM PRAKASH</u>			
1	Social Thought and Global Governance	International Workshop on Law, Social Thought and Global Governance organised by Brown International Advanced Research Institute, Brown University, Rhode Island, USA	June 2009.
<u>DR. SHABANA AZMI</u>			

1	Voices from outside: re-shaping International Relations theory and practice in an era of Global Transformation,	Presented a paper on “Managing the Problem of Migrants in South Asia: The Role of South Asian Association for Regional Cooperation Singapore Management University, Singapore	8 Jan 2015.
2	Gandhi and the Contemporary World.	University of Delhi, New Delhi.	2016

PAPERS PRESENTED IN NATIONAL CONFERENCES/WORKSHOP

S.No	Title of paper	Venue	Date and Year
	Dr.Uma Shankar		
1	Political Blending of Imported Localism and Spiritual Nationalism: Interpreting Sister Nivedita’s Views and Vedantic Path of India’s Independence.	ICSSR-assisted National Conference on 'Religion, Society and Culture' to mark the 150th Birth Anniversary of Sister Nivedita, Directed Initiative in collaboration with the Bose Institute and the Vivekananda University, Kolkata.	20-21 February 2016
2	Self and its Other in Social Space: Understanding the Experiences of Suffering, Delhi.	ICSSR-sponsored National Seminar on ‘Power, Culture and Marginality in India’, Department of Political Science, University of Delhi, New Delhi	16-17 March
3	Reassertion of Rightist Politics in the Red Corridor: Analyzing Land Acquisition for Mining, People’s Resistance and The BJP in Jharkhand.	ICSSR Sponsored National Seminar on The Future of India’s Democracy: Social, Economic and Political Aspects, Department of Political Science, University of Delhi, New Delhi	January 30-31, 2015
4	Negotiating Pluralism and Minority Rights in a Federal Democracy: Analyzing ‘Prevention of Communal and Targeted Violence Bill 2013’	National Seminar on Minorities in North-East India: Process of Inclusion and Development of Minorities in North-East India, Sikkim University, Gangtok.	22-23, March 2014
5	“Regional Politics National Impact: Assessing the Changing Nature of Electoral Politics Bihar and UP”	National Seminar organized to commemorate the Golden Jubilee of Rajdhani College, University of Delhi, New Delhi	11 March 2014
6	भ्रष्टाचारऔरचुनावः भारतमेंकालेधनकाराजनीतिकरण,	National Research Seminar on भारतमेंसार्वजनिकजीवनमेंभ्रष्टाचारएवंकालेधनकीसमस्या , Dr. BhagwatSahai Government College, (Jeevaji University) Gwalior,MP.	18-19 Jan 2014

7	“Interrogating Nation Building and Democratization in India: Colligating Developmental Disparity Violent Conflict in North-East India”	National seminar on "Democracy and Development in India's North East: Challenges and Opportunities", ICSSR North Eastern Regional Centre, Shillong	6-7 December 2013
8	21वीसदीमेंदलितकविताऔरसामाजिक परिवर्तनकीमांग	National Seminar on " <i>Dalit Kavita: AsmitaaurPratirodhkiSanskriti</i> ", Indian Institute of Advanced Study (IIAS), Shimla, Himachal Pradesh	23-24 July 2013
9	‘Joothan’ - Understanding the Politics of Humiliation: A Socio-Political and Philosophical Perspective from a Dalit’s Memoir.	National Seminar of English Department, Kashmir University, Srinagar, (Jammu & Kashmir	18-20 March 2013
10	Colligating Developmental Disparity Violent Conflict and Dehumanization in North-East India.	ICPR National Seminar on “Social Justice, Development and Secularism”, Department of Philosophy, Pachhunga University College, Mizoram University, Aizwal	29-30 November 2012
11	Participated in a National Consultation on the theme of Combating Corruption: Instrumentality of Lokpal Bill. Also contributed as a member of drafting committee for “A Proposal for Inclusion in the Lokpal Bill from the Indian Social Institute, Delhi, in Consultation with a Few Concerned Citizens.” Submitted to Government of India.	Organized by the Indian Social Institute.	September 13, 2011
12	“Theorizing Identity Violence as Violation of Identities: A State-Civil Society Response in Context of Manipur”	National Seminar On <i>Challenges and Possibilities in Manipur in the 21st century: Socio-Economic and Political Aspects</i> , Department of Political Science, Indira Gandhi National Tribal University, Regional Campus, Manipur	28- 29 March, 2011
13	“Identity Violence and Alienating Violence”	National workshop on “ <i>Identity, alienation & Violence</i> ”, Indian Social Institute, New Delhi	26March, 2011
14	“From Semi-enlightened to Knowledge Super Power: Accessing Indian Higher Education in Promoting the Humane”	National Seminar on Politics and Education: Higher Education in India-Context and Concerns, University of Gwalior, Madhya Pradesh, India.	19-21 March, 2010
15	“Violence and Beyond: Memory for Future	National Workshop on Violence and Beyond: The Maoist Movement, Indian Social Institute, New Delhi.	13-Feb-2010
<u>DR. SONU TRIVEDI</u>			

1	Dynamics of India Myanmar Border Trade	Paper presented at National Conference on <i>Trade at India's Border with the Neighbouring Countries: Challenges and Prospects</i> , Department of International Relations, Sikkim University	18-19 October, 2013
2	A New Beginning in Myanmar: Implications for India and China	National Seminar on <i>India-China-Myanmar Relations</i> , Centre for Myanmar Studies, Manipur University	27-30 April, 2012.
3	Transition in Myanmar: A New Beginning	National Seminar on <i>India in Emerging Asia-Pacific: Challenges and Opportunities</i> , Society for Social Empowerment, New Delhi.	28-29 March, 2012
4	Delayed Democracy in Myanmar: Impasse Continues	Faculty Seminar, Department of Political Science, University of Delhi	3 December, 2009
5	Women and Disability: Dual Discrimination.	Conference on <i>Disability, Poverty and Human Rights</i> organized by Society for Social Empowerment	5-6 March, 2008
6	Ethnicity and Nation Building in Myanmar	Seminar on <i>Revisiting Ethnicity and Nation Building in South, Central, Southeast Asia and Southwest Pacific</i> , CSCSEASWPS, School of International Studies, JNU	28 January, 2007
7	Strengthening African Capacities: India-COMESA Relations.	National Seminar on <i>India-Africa Relations</i> , Department of African Studies, University of Delhi	21 December, 2005
8	Reconstruction of Regional Cooperation in South Asia in the post 9/11 era	<i>Regional Conference of Indian Political Science Association</i> , Department of Political Science, Choudhary Charan Singh University, Meerut	8-10 October, 2005
9	Crisis in a Globalised World: A Modern Indian Perspective	International Conference on <i>Crisis of Modern Civilization</i> , Indian Academy of Social Sciences at Gandhigram	January 2005
10	Participatory Democracy: Variants and Alternative	Seminar on <i>Global Quest for Participatory Democracy</i> , CSSS, SSS, JNU	February 2004
11	African Union: A New Beginning	Seminar on <i>African Union: Introspection and Prospects</i> , Department of African Studies, University of Delhi	September, 2003
<u>DR. SANJEEV KUMAR</u>			
1	<i>"Indian Democracy and Right to Information"</i>	UGC sponsored National Seminar on Right to Information: Challenges and Successes, Dept. Of Public Administration, Jodhpur University,	12-13 December, 2014
2	<i>"Citizenship, the Nation State and Globalisation"</i>	International Conference on "Redrawing the Boundaries of International Relations: Going Beyond State and Power" organised by University of Ravenshaw, Odisha	Feb 20-22, 2014
3	<i>"Post earthquake Reconstruction in Bhuj"</i>	Ph.D Workshop, Centre for the Studies of Developing Societies (CSDS), Delhi	April 12-13, 2007

4	“Challenges to Secularism: A case study of rural Bhuj in Gujarat”	Paper presented at the National Conference on “Secular Culture in India: Manifestation Through Art, Culture, Literature and Architecture organized by Global Environment and Welfare Society, New Delhi.	April 22-23, 2006.
5	“Some Reflections on Tsunami”	Paper presented at the National Conference on ‘Tsunami, Science, Technology and Governance’ SPARTA Institute of Social Studies, Noida.	March 21-22, 2005.
6	“Dynamics of State and Civil Society in Post Tsunami Tamil Nadu”	Seminar, Developing Countries Research Centre (DCRC), University of Delhi.	28 February 2005.
<u>DR.VASUDHA DHINGRA</u>			
1	Is there a ‘Global’ Women’s Movement?: Some Definitional Dilemmas	National Seminar on ‘Women, Violence and Society: Challenges for the Restoration of Space’, Department of Sociology, Veer Narmad South Gujarat University, Surat, Gujarat, India	20-21 February, 2009
2	Impact of neoliberalism on service delivery and participation in governance in India	National Conference on ‘Challenges in Human Development in India’, Centre for Development Studies, Trivandrum, Kerala, India	24-25 January, 2009
3	Aspects of ‘New’ Urban Governance: Participation and Service Delivery	Workshop on Human Development, Indira Gandhi Institute of Development Research, Mumbai in collaboration with the Planning Commission of India and UNDP	10 - 22 November, 2008
4	India’s Human Rights Commitments at the International Level vis-à-vis its Domestic Security Legislations	Delhi Policy Group Students’ Exchange Program on “Conflict Resolution and Achieving Durable Peace”, University of Kashmir, Srinagar, Jammu and Kashmir, India	12-15 December, 2006
<u>DR. OM PRAKASH</u>			
1	'Land Question in Ambedkar's Writing'	National Conference on “Contemporary Relevance of the Social and political Thought of Dr. Babasaheb Ambedkar” organised by Mahatma Gandhi Labour Institute, Ahmadabad, Gujarat.	March 2016.
2	‘In between Accommodation and Repression: Engagement	National Seminar on "The Future of Indian Democracy:	Jan 2015.

	with the people's movement future of Democracy in India'	Social, Economic and Political Aspects" organised by the Department of Political Science, Delhi University.	
3	Participated in Workshop on "Engendering Disciplines: Institutions Knowledge and Practices"	organized by KrantijyotiSavitribaiPhule Women's Studies Centre, University of Pune.	Nov. 2009.

MS. KAMLA

1	" Abul Fazl : Governance and Administration"	workshop on <i>Indian Political Thought</i> , paper – XVII Semester-V, Three Year program and paper – XII Semester-VI, Four year program, University Of Delhi, Department of Political Science.	17-August-2013.
2	"Politics of Social Welfare : NRHM (National Rural Health Mission)"	Workshop on teaching public policy, University Of Delhi, Department of Political Science.	14-February-2013.

DR. SHABANA AZMI

1	Parliamentary Democracy in India: Issues and Challenges, Presented a paper titled "Parliamentary Democracy in India: Changing Representation and its Outcomes	Indian Institute of Public Administration, New Delhi.	Dec 2012.
2	Mainstreaming Minorities: Human Rights Discourse.	New Delhi, 2013	2013

MR. MD.MOSHARRAF ALAM

1	"Vulnerabilities of Women in Post-Invasion Iraq"	National Seminar on Human Rights and Good Governance in India and West Asia, JamiaMilliaIslamia, New Delhi.	25-26November 2014
2	"Human Rights of Minorities in Contemporary Iraq"	National Seminar on Contemporary West Asia: The Emerging Scenario, JamiaMilliaIslamia, New Delhi, February,	25-26, 2014.

Invited Lecture (International)

Dr. UMA SHANKAR

S.No.	Title	Venue	Date and Year
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1	Developmental Disparity and Peoples' Resistance Movements in Jharkhand and Chattishgarh: An Indigenous People Perspective,	Invited Lecture Delivered at Department for Study of Religions, School of Asian Studies, University College Cork, Ireland.	5 th March 2013.
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Invited Lecture (National)

<u>Dr. UMA SHANKAR</u>			
S.No.	Title	Venue	Date and Year
1	State of Business and Political Ethics In Present Socio-economic System, delivered the Key note address.	Opening ceremony of the national seminar at Tinsukiya College, Assam.	
2	Amedkar's Role in Educating the Downtrodden.	delivered a lecture on AmbedkarMahaparinivanDiwas, at H-Block, Ambedkar Park, Ambedkar Nagar, New Delhi 110068. Ambedkar Birth anniversary lecture.	06 December 2015
<u>DR. SANJEEV KUMAR</u>			
1	Delivered an invited Lecture on " <i>Democracy and Citizenship</i> "	Centre for Gandhian Thought and Peace Studies, Central University of Gujarat.	24 February, 2015.

EVALUATIVE REPORT OF THE DEPARTMENT OF PSYCHOLOGY

1. Name of the Department: PSYCHOLOGY

2. Year of Establishment: 1959

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG, PG

4. Names of Interdisciplinary courses and the departments/units involved

General Elective, Concurrent Course and Application Course offered to BA (H) and BA (Prog)

5. Annual/ semester/choice based credit system (programme wise)

Semester and Choice-Based Credit System

6. Participation of the department in the courses offered by other departments: NA

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	02	02
Assistant Professors	08	05 (Permanent) ; 03 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

/Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.Karuna Mehta	PhD	Associate Prof	Counseling, Social, Experimental Psychology	39	02
Dr. Khurshid Alam	PhD	Associate Prof	Organizational Behavior, Research Methodology	28	02
Ms. Nisha Jaiswal	MPhil	Asst. Prof.	Clinical Psychology	15	-
Dr. D. Chao	PhD	Asst. Prof.	Industrial/Organizational Psychology, HRM, Statistics, Research Methodology	11	-
Dr. Gulgoona Jamal	PhD	Asst. Prof.	Clinical Psychology	11	01

Dr. Shyodan Singh	PhD	Asst. Prof.	Research Methods, Statistics in Psychology	5yrs 5mth	03
Dr. Satyendra Kumar Thakur	PhD	Asst. Prof.	Organizational Behavior, Positive Psychology	5yrs 5mth	-
Dr. Manchong Limlunthang Zou (Adhoc)	PhD	Asst. Prof.	Social Psychology, Media Psychology, Organizational Behavior	2yr 4mth	-
Ms. Thangbiakching (Adhoc)	PhD (pursuing)	Asst. Prof.	Jungian Psychology, Research Methods	1yr 3mth	-
Dr. Sunil Gupta (Adhoc)	PhD	Asst. Prof.	Clinical Psychology, Counseling Psychology, Industrial/Organizational Psychology	4yr 4mths	-

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 32%

13. Student -Teacher Ratio (programme wise)

- B.A. (Hons): 15 Students/Teacher (15:1)
- B.A. (Prog): 25 Students/Teacher (25:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 2

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Ph.D = 7, MPhil = 1, M.A. = 2

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S.No	Name of Project	Name of coordinator	Amount Received/lacs	Funding Agency
1	Graceful Ageing: A Psycho-social Study	Dr. Shyodan Singh	4.42	ICSSR
2	The Impact of Yoga and Physical Exercise on Well-being of Elderly	Dr. Shyodan Singh, Dr. D. Chao and Satish Kumar Rajoria	3.5	DU (Innovation Project)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

S. No.	Name of Project	Name of coordinator	Amount Received/lacs	Funding Agency
1	Graceful Ageing: A Psycho-social Study	Dr. Shyodan Singh	4.5	Indian Council of Social Science Research,

2	Empowering elderly from weaker sections	Dr. Shyodan Singh, Dr. D. Chao and Satish Kumar Rajoria	3.00	University of Delhi (Innovation Project)
3	Psychology of Dharma and Happiness as reflected in Bhagavad-Gita	Dr. Satyendra Kumar Thakur, Ramkishor Maholiya and Pradeep Kumar	3.5	University of Delhi (Innovation Project)
4	The Impact of Yoga and Physical Exercise on Well-being of Elderly	Dr. Shyodan Singh, Dr. D. Chao and Satish Kumar Rajoria	3.5	University of Delhi (Innovation Project)

18. Research Centre /facility recognized by the University: One Research Centre recognized by University of Delhi

19. PUBLICATIONS: (See Annexure-I)

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....

- **Dr. Shyodan Singh:** Editorial Board (Journal of Indian Health Psychology, 2007-2009; Global Journal of Business Management, 2007-2009)
- **Dr. Khurshid Alam:** Editor (Journal of Personality and Clinical Studies)

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 30%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: NA

23. Awards / Recognitions received by faculty and students

Students of Psychology Department have received Merit and Proficiency awards every year. They have also received the highest award given by the college namely, **College Crest** and **College Color**.

24. List of eminent academicians and scientists / visitors to the department

- i. Prof. K.D. Broota: Former Head, Department of Psychology, DU.
- ii. Prof. Sagar Sharma: Himachal University
- iii. Prof. Manas Mandal: Director, DIPR
- iv. Prof. Girishwar Misra: VC, Mahatma Gandhi Antarrashtriya Hindi Vishwavidhyalaya, Wardha
- v. Prof. Aruna Broota: Clinical Psychologists and Retired Professor, Department of Psychology, DU
- vi. Prof. Ashum Gupta: Former Head, Department of Psychology, DU.
- vii. Prof. Anand Prakash: Former Head, Department of Psychology, DU.
- viii. Prof. N.K. Chadha: Former HOD, Department of Psychology, DU.
- ix. Dr. Manoranjan Sahay: Clinical Psychologist, G.B. Pant Hospital
- x. Dr. Suneet Varma: Faculty, Department of Psychology, DU.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National:

1. National seminar entitled: Wholistic paradigms in Psychology: Problems and Prospects, on March 10 & 11 2006, at Department of Psychology, Zakir Husain Delhi College. (Sponsored by UGC & ICSSR)

2. National seminar entitled: Identity and wellbeing, on March 7 & 8, 2007, at Department of Psychology, Zakir Husain Delhi College. (Sponsored by ICSSR & UGC)

b) International: International Workshop on Techniques in Psychotherapies: A multi-dimensional approach in 2006.

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.A (Hons) CBCS II SEM	NA	36	13	23	82%
B.A (Hons) IV SEM	NA	31	21	10	96.6%
B.A (Hons) FYUP VI SEM	NA	30	16	14	100%
M.A. II SEM	NA	23	17	6	
M.A. IV SEM		16	7	9	

27. Diversity of Students

Name of the Course	% of students from the same state (Delhi)	% of students from other States	% of students from abroad
BA (Hon) Psychology II Sem (CBCS)	33.33	63.33	2,77
BA (Hon) Psychology IV Sem	29.03	67.74	3,22
BA (Hon) Psychology VISem (FYUP)	50	50	0
M.A. II SEM (CBCS)	39.13	56.52	4.34
M.A. IV SEM	6.25	93.75	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

Student progression	Against % enrolled
UG to PG	50
PG to M.Phil.	NA
PG to Ph.D.	NA

Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

- i. **Library:** Yes
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** 1 Classroom
- iv. **Laboratories:** 3 Labs

31. Number of students receiving financial assistance from college, university, government or other agencies: No Record

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

1. Talk on “Dream Analysis” by Dr.Pulkit Sharma: Clinical Psychologists, VIMHANS
2. Workshop on “Changing Beliefs” by Ms.RitaSoman: Psychotherapist, Oregon, USA.
3. Workshop on “Understanding Autism” by Dr.NidhiSinghal, Clinical Psychologist, Action For Autism
4. Workshop on “Awareness about the problems of elderly”
5. National Seminar on “Personality, Perception and Performance”
6. Workshop on “Mindfulness, Peace and Healthy Thought” by Ms. Charnita Arora
7. Talk on Need for Psychological Counseling by various counselors such as Dr.AchalBhagat, Dr.Sameer Parekh, Dr.Ahluwalia
8. Workshop on “Problems of out-station students studying in Delhi University”
9. Workshop on Stress and Coping Strategies
10. Trip to Jaipur Mental Hospital, Rajasthan and Seminar by the Head of the institution, 2009.
11. Students attend workshop at Fortis Hospitals; Moolchand Hospital; AIIMS; Ganga Ram Hospital.

33. Teaching methods adopted to improve student learning

Lecture, Group Discussion, ICT (Powerpoint, Audio-Video), Presentation, etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Student of Psychology participate in various Mental Health awareness programs in and outside the college, they are also involved in various societies of the college such as Nature and Environment Club, Girls’ Association, Arts and Culture Society, Quiz, Photography, Debating, NCC, Sports, etc.

35. SWOC analysis of the department and Future plans

Strengths:

- Availability of different psychological tests
- Availability of wifi facility for students and faculty members
- Availability of ICT Lab
- Well-qualified faculty members
- Most of the students got PG admission after graduation
- Punctual and hardworking Lab staffs
- Guidance of PhD students, undergraduate and post-graduate projects under various faculty members
- Various research projects from different funding agencies such as ICSSR, UGC, DU
- Highly motivated students with very high percentages from various part of the country.

Weaknesses:

- Non-availability of AC in Labs
- Lack of funds for modernization of Lab
- Lack of opportunities and facilities for visiting faculties
- Lack of computer Lab

Opportunities:

- Students are getting job after completion of graduation
- Students are appointed as consultants in different agencies
- Students go for higher studies to various prestigious institutions in India and abroad

Challenges:

- To prepare students for community services, counseling, and mental health programs
- To work on international research projects
- To promote psychology

Annexure

Dr Khurshid Alam

- *“A Study of Dependence Proneness as Related to Religion and Caste”*, Indian Journal of Community Guidance Service, 1985, Vol.2, No.1, PP.41-48.
- *“Effect of Persistence and Sex Differences on Retention”*, Perspectives in Psychological Researches, 1985, Vol.8, No.1, PP.47-54.
- *“The Effect of Disadvantage of Caste and Schooling on Achievement Motivations”*, Indian Journal of Community Guidance Service, 1985, Vol.2, No.3, PP.59-66.
- *“An Experimental Study of Retention in Relation to Prolonged Deprivation”*, Perspectives in Psychological Research, 1985, Vol.2, PP.35-37.
- *“A Study of Dependence Proneness in Relations to Prolonged Deprivation among Hindu and Muslim Youths of Higher and Lower Castes”*, Personality Study and Group Behavior, 1985, Vol.5, No.2, PP.87-95.
- *“Effect of Different Facets of Prolonged Deprivation on Retention”*, Psychological Studies, 1986, Vol.31, No.1, PP.26-28.
- *“Anxiety and Personality Adjustment among Truants and Non-Truants”*, Indian Journal of Community Guidance Service, 1986, Vol.3, PP.21-24.
- *“Effect of Prolonged Social-Cultural and Economic Deprivation on retention-A Comparative Study”*, Indian Psychology Review, 1986, Vol.30, No.2, PP.21-44.
- *“An Experimental Study of Retention in Relations to Approval Motive and Dependence Proneness”*, Journal of Psychological Researches, 1986, Vol.30, No.3, PP.144-149.

- “A Comparative Study of Anxiety among Under-Trial Prisoners Committing Different Crimes”, Journal of Correctional Work, Lucknow, 1986.
- “Effect of Prolonged Motivational and Emotional Deprivation on Retention”, Darshana International, 1986, Vol.25, No.1, PP.52-56.
- “The Effect of Approval Motive and Dependence Proneness on Retention”, Perspectives in Psychological Researches, 1986, Vol.9, No.2, PP.32-26.
- “A Study of Educational Goals and Dropout Factors among Scheduled Castes”, Indian Journal of Community Guidance Service, 1987, Vol.4, No.1, PP.25-31.
- “A Study of Anxiety, Risk-taking and Personality Adjustment among Truants & Non-Truants”, Journal of Personality and Clinical Studies, 1987, Vol.3, No.2, PP.113-116.
- “Superficial and Semantic Organization in Immediate and Delayed Cued Recall as a Function of Cognitive Rigidity”, Psychological Studies, 1987, Vol.32, No.1, PP.42-46.
- “A Comparative Study of Level of Aspiration of School Going Students in Relation to their Socio-economic Status”, Indian Psychological Review, 1988, Vol.33, No.2, PP.22-25.
- “Academic Performance As a Function of Dependence Proneness and Sex”, Asian Journal of Psychology & Education, 1987, Vol.16, PP.33-37.
- “Categorical Organization As a Function of Socio-Deprivation and Observer Presence”, Psychological Studies, 1983, Vol.33, PP.128-133.
- “Associate Clustering and Retention as a Function of Locus of Control”, Journal of Education and Psychology, 1988-89, Vol.146, No.3-4, PP.131-136.
- *National Integration As Related of Communal Prejudice & Social Deprivation*, Man & Development, 1989, Vol.11, No.2, PP.67-72.
- “Implicit and Explicit Memory as Related to Cognitive Rigidity and Task Similarity”, Psychological Studies, 1989, Vol.34, No.3, PP.151-156.
- “Academic Performance as related to Personality Rigidity and Sex”, Journal of Education and Psychology, 1989, Vol.47, No.1, PP.57-71.
- “Organizational Processes as a Function of Cognitive Rigidity”, Journal of Indian Academic Psychology, 1991.
- “Personality Adjustment among Handicapped Children”, Journal of Education Psychology, 1991, Vol.48, No.3-4, PP.129-134.
- “Superficial and Semantic Organization as a Function of Cognitive Rigidity and Locus of Control”, 1991, Vol.36, No.2, PP.124-130.
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Dr. D. Chao

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- **Chao, D.**,& Chadha, N K (2005). “Structure of social network of the elderly in Delhi” *Indian Journal of Gerontology*. Vol.19, No, Pp 307-326.

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- **Shyodan, S.**, & Chao, D., (2016). What makes elderly healthy? An Empirical Enquiry into psychosocial dynamics. *Journal of Indian Health Psychology*. Vol 10(2), Pp 90-99, 2016,
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- **Chao, D.**, Chadha, N.K., & Joshi, P C (2004). Psychosocial well- being of the elderly among the Nagas. In A.K. Kalla and P.C. Joshi (Eds.) *Tribal Health and Medicines*, New Delhi: Concept. Pp. 247-275 (2004).
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- **Chao, D.**, & Chadha, N K. (2006). Mental Health of the Elderly. In Mahesh Bhargava and Reeta Raina (Eds). *Prospects of Mental Health*. Agra: H.P. Bhargava House. Pp 176-201,
- **Chao, D.** (2007). Influence of marital status on the quality of life among the Naga elderly. In Rajbir Singh and Radhey Shyam (Eds.), *Psychology of well Being*, New Delhi: Global Vision Publication House, Pp. 59-78
- **Chao, D.**, Chadha, N.K., Majumdar, P., & Sharma, R. (2007). Gender difference on psychosocial and physical functional status among the elderly. In Rajbir Singh and Radhey Shyam (Eds.), *Psychology of well Being*, New Delhi: Global Vision Publication House, Pp. 89-102
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Dr. Gulgoona Jamal

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- Singh, S., & Chowdhury, A. (2007). Understanding work life balance: An empirical study of IT sector. *Global Journal Business Management*, 1, 1-9
- Singh, S., Malik, M., & Reema (2007). Role of psychosocial contributors on pathways to well-being. *Journal of Indian Health Psychology*, 1, 197-204.
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- Dhillon, P.K., & Singh, S. (2005). Retirement transitions, health and well-being. *Indian Journal of Gerontology*, 19, 213-222

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- **Shyodan, S., Chao, D.** & Kumar, P. (2016). Sampling Techniques in Social Sciences. In (Eds) *Research in Social Sciences: Inter-discipline Perspective* ISBN 9788-81-921665-8-2
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- Singh, S. (2008). Ageing and Psychoneuroimmunology. In Rajbir Singh, Radey Shyam and Shyodan Singh (Eds), *Psychoneuroimmunology : A Behavioural Approach* (pp 92-102). New Delhi: Global Vision Publishing House.
- Singh, S. (2008). Introduction. In Shyodan Singh (Eds), *Psychology of Sport performance* (pp 1-45). New Delhi: Global Vision Publishing House.
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Dr. MANCHONG LIMLUNTHANG ZOU

Publications

- **Zou, M.L.**, &Shahnawaz, M.G.(2013). Social Support, Self-Efficacy and Resilience as predictors of Achievement Motivation among aspirants of various competitive examinations, Indian Journal of Social Work, TISS, Mumbai, 74(3-4): 391-410 (ISSN 0019-5634)
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Shahnawaz, M.G., Ganguli, N., &**Zou, M.L.**(2013). Social Networking Addiction Scale, Prasad Psycho Corp. New Delhi. (16-1012-KT)

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- Hasan, N., Shahnawaz, M.G., &**Zou, M.L.** (2014). Procedural justice, Empathy, Organizational Trust, Gender and Age as the antecedents of forgiveness in organization, In edited book Iqbal, N. &Aleem, S. (Eds.) Perspectives on health and wellbeing in India (pp.97-111). Excel India Publishers: New Delhi. (ISBN: 978-93-83842-93-3)
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Dr. Sunil Gupta

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EVALUATIVE REPORT OF THE DEPARTMENT OF SANSKRIT

1. Name of the Department: SANSKRIT

2. Year of Establishment: 1948

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG, PG

4. Names of Interdisciplinary courses and the departments/units involved

IDC- (Hindi Department); DCC- (Hindi, Bengali & History Department); Generic- (Hindi Department); AECC- (Hindi, Pol Science, History, Commerce); Foundation Course- (Sciences, Commerce, English, Mathematics, Hindi, History & Political Science)

5. Annual/ semester/choice based credit system (programme wise)

Semester- BA (Hons) Sanskrit, BA (Prog), CBCS- BA (Hons)

6. Participation of the department in the courses offered by other departments

History, Hindi

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	02	02
Assistant Professors	05	03 (Permanent) ; 02 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last 4 years
Dr. Pavan Kumari	Ph.D	Associate Professor	Indian Philosophy	25 years	2 Guiding
Dr. Sharda Verma	M.Phil, Ph.D	Associate Professor	Epigraphy	23 years	Nil
Dr. Saraswati	M.Phil, Ph.D	Assistant Professor	Indian Poetics	9.8 years	2
Dr. Deepak Kalia	M.Phil, Ph.D	Assistant Professor	Vedant Philosophy	22 years	5 (Guiding)
Dr. Ramkishor Maholiya	M.Phil, Ph.D	Assistant Professor	Indian Philosophy	5.6 years	Nil

Dr. Rupesh Kumar Chauhan	M.Phil, Ph.D	Assistant Professor	Sanskrit Grammar	6 years	Nil
Dr. Sandeep Kumar	Ph.D	Assistant Professor	Mimansa Darshan	1.7 years	Nil
Vishvajeet Kumar	M.Phil	Assistant Professor	Indian Poetics	7 months	Nil

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

B.A. (Hons)- 40.8%

B.A. (Prog)-29.6%

13. Student -Teacher Ratio (programme wise)

B.A. (Hons)- 14:1

B.A. (Prog)- 4:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Permanent Faculty:

1. Dr. Pavan Kumari: Ph.D.
2. Dr. Sharda Verma: M.Phil.& Ph.D.
3. Dr. Saraswati: M.Phil. & Ph.D.
4. Dr. Deepak Kalia: M.Phil. & Ph.D.
5. Dr. RamkishorMaholiya: M.Phil.&Ph.D.

Temporary Faculty:

6. Dr. SandeepKumar: Ph.D (Ad-hoc)
7. Mr. VishvajeetKumar: M.Phil. (Ad-hoc)

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

One (Dr. RamkishorMaholiya, Innovation Project, University of Delhi)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: One

18. Research Centre /facility recognized by the University: Our department is recognized for M.Phil/Ph.D.

19. PUBLICATIONS:

Publication per faculty	Papers	Books	Chapters	Edited
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Publication per faculty	Papers	Books	Chapters	Edited
Dr. PavanKumari	3	4	NIL	NIL
Dr. ShardaVerma	4	NIL	4	NIL
Dr. Saraswati	3	1	NIL	NIL
Dr. Deepak Kalia	4	NIL	25	3
Dr. Ramkishor Maholiya	1	NIL	NIL	NIL
Dr. Sandeep Kumar	3	NIL	2	NIL
Mr. Vishvajeet	5	1	NIL	NIL
Dr. Rupesh	3	1	NIL	NIL

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards.... NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: 0.7%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students

Dr. Sandeep Kumar received 1) Bālavaigyānika award 2004 on district and state level and 2) Samskr̥tapatibhāpuraskāra 2006 and 2007.

24. List of eminent academicians and scientists / visitors to the department

- Prof. ShashiPrabha Kumar (Vice Chancellor, Sanchi University of Buddhist & Indic Studies, Sanchi, Madhya Pradesh)
- Dr. Ramashrya Sharma (Retired Associate Professor, ZakirHusain Delhi College, Delhi University)
- Prof. Pushpendra Kumar (Retired Head of the Department, Sanskrit Department, DelhiUniversity)
- Prof. Iccharam Devedi (Head of the Department, Department of Puranetihas .ShriLalBahadurShashtriRastriya Sanskrit Vidyapeetha, New Delhi.)
- Dr. Hukam Singh (Professor, Department of mathematics and science. NCERT)
- Dr. Om Prakash Pandey (Physics Department, Lucknow University.)
- Dr. Ramnath Jha (Associate Professor, Sankrit Department, Jawaharlal Nehru University)
- Dr. AlokaDass (Retired Associate Professor, KamlaNehru College, DelhiUniversity)
- Dr. ChandkiranSaluja (Retired Faculty, Central Institute of Education, Delhi University)

- Dr.Arvind Mishra (Assistant Professor, Zakir Husain Centre for Educational Studies, SSS, Jawaharlal Nehru University, New Delhi)

25. Seminars/ Conferences/Workshops organized & the source of funding

National: Two workshop by Delhi Sanskrit Academy & Zakir Husain Delhi College

International: NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
BA (H) Sanskrit	DU Centralized Admission				
BA (Hons) 2 nd		16	14	2	100%
BA (Hons) 4 th		13	9	4	100%
BA (Hons) 6 th		14	8	6	100%
BA (prog) 2 nd		14	10	4	100%
BA (Prog) 4 th		13	9	4	100%

27. Diversity of Students

Name of the Course	% of students from the same state (Delhi)	% of students from other States	% of students from abroad
BA (Hons) 2 nd Sem	81	19	Nil
BA (Hons) 4 th Sem	69	31	Nil
BA (Hons) 6 th Sem	86	14	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

- Ravi Prabhat: NET/JRF
- Rajendra: NET/ JRF
- Kuldeep:NET/JRF
- Sukhram: NET/JRF
- Vishvajeet: NET/JRF
- Arun: NET/JRF
- Rahul: NET
- Chandergupat: NET

29. Student progression

Student progression	Against % enrolled
UG to PG	2
PG to M.Phil.	1
PG to Ph.D.	1
Ph.D. to Post-Doctoral	0
Employed	NA
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

- i. **Library:** No
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** Yes
- iv. **Laboratories:** NIL

31. Number of students receiving financial assistance from college, university, government or other agencies:

Name	Roll No.	Year	Place
Neetu	13/925	1 st	Sanskrit Academy Jhandevalan, New Delhi.
Anam	13/1040	1 st	Sanskrit Academy Jhandevalan, New Delhi.
Vipin	13/405	1 st	Sanskrit Academy Jhandevalan, New Delhi.
Vishnu	14/1139	1 st	Sanskrit Academy Jhandevalan, New Delhi.
Ravikant	14/1459	1 st	Sanskrit Academy Jhandevalan, New Delhi.
Vikash	13/854	2 nd	Sanskrit Academy Jhandevalan, New Delhi.
Vipin	13/405	2 nd	Sanskrit Academy Jhandevalan, New Delhi.
Saurav	13/972	2 nd	Sanskrit Academy Jhandevalan, New Delhi.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sanskrit Sambhashan Shivir & special lectures on different topics such as- Concept of Happiness in Indian Philosophy and Psychology, Indian Culture, Epics, Philosophy, Linguistics etc.

33. Teaching methods adopted to improve student learning

Computer aided teaching,

Interactive lecture,
Oral presentations,
Quiz,
Group discussion,
Play,
Vedic Mantra and Shloka's recitation etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

NCC and NSS

35. SWOC analysis of the department and Future plans

STRENGTHS	WEAKNESSES
1. Specialized dedicated faculty with doctorate degree.	Space and infrastructure limitations.
2. Mentoring of students by departmental teachers.	
3. Active Research	
4. Diligent and dedicated Teachers	
OPPURTUNITIES	CHALLENGES
1. Ample Research Opportunities	1. To improve student inclination towards pursuing Sanskrit in higher studies.
2. Improvement of Teaching Methods	
3 Use of Computer and technology in Sanskrit	
4 Use of Sanskrit in Computational Linguistics and Technology	

EVALUATIVE REPORT OF THE DEPARTMENT OF URDU

1. Name of the Department: URDU

2. Year of Establishment: 1948

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

B.A. (H) URDU

M.A. URDU

Ph. D. URDU

4. Names of Interdisciplinary courses and the departments/units involved

Name of Course	Departments Involved
B.A. (HONS) URDU	URDU, ARABI, PERSIAN
B.A.(PROG) URDU	URDU, HISTORY, POL. SCIENCE, ECONOMICS
B.COM.(PROG) COMPULSORY LANGUAGE	URDU AND COMMERCE

5. Annual/ semester/choice based credit system (programme wise)

Name of Course	System of Syllabus
B. A. (H) 1 st Year	Choice Based Credit System
B. A. (H) 2 nd & 3 rd Year	Semester System
B. A. (Program) 1 st Year	Choice Based Credit System
B. A. (Program) 2 nd Year	Semester System

6. Participation of the department in the courses offered by other departments

- Generic Elective- Departments such as Arabic, Persian, History, Pol. Science, etc.
- Skill Enhancement Elective- Departments such as Arabic, Persian, History, Pol. Science, etc.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	04	04
Assistant Professors	04	03 (Permanent) ; 01 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students Guided for the last 4 Yrs
ABDUL AZIZ	M.A.	Associate Professor	Non- Fiction Prose	39	
Dr. MUMTAZ FAKHERA	Ph.D.	Associate Professor	Non-Fiction Biography Autobiography	36	4
Dr. KHALID M. ALVI	Ph.D.	Associate Professor	Urdu Ghazal, Short Story, Criticism	26	4
Dr. JAFAR AHRARI	Ph.D.	Associate Professor	Non-Fiction 19 th Century Prose	17	5
Dr. SHAH ALAM	Ph.D.	Assistant Professor	Poetry Modern Nazm	11	4
Mr. HRIDAY B. PRATAP	M.Phil.	Assistant Professor	Modern Nazm Fiction	3	
Dr. MOHD ALAM	Ph.D	Assistant Professor	Prose Style	5	
Dr. AHMAD KHAN (Adhoc)	Ph.D.	Assistant Professor	Fiction and Media	10	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 12.5%

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 15 Students/Teacher (15:1)
- B.Sc. (Prog): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Number of Teaching Faculty
Ph.D	6
MPhil	1
MA	1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Faculty	Title	Agency	Period	Grant Amount
Dr Ahamad Khan	A Socio-Cultural History of Awadh (1722-1856) As Reflected in Urdu Sources	Indian Council of Historical Research (ICHR), New Delhi	2004 to 2007	Rs. 1,68,000/

18. Research Centre /facility recognized by the University: Our department recognized for Ph. D. Programme and research facility provided by University.

19. PUBLICATIONS:

<input type="checkbox"/>	ABDUL AZIZ	23	
<input type="checkbox"/>	DR. MUMTAZ MUJEEB	22	
<input type="checkbox"/>	DR. KHALID M. ALVI	20	
<input type="checkbox"/>	DR. M. JAFAR AHRARI	10	
<input type="checkbox"/>	DR. SHAH ALAM	10	
<input type="checkbox"/>	DR MOHAMMAD ALAM	04	
<input type="checkbox"/>	MR. HRIDAY BHANU PRATAP	01	
<input type="checkbox"/>	DR. AHAMAD KHAN (Ad-hoc)	20	
<input type="checkbox"/>	ABDUL AZIZ – Chapter-01		SEE ANNEXURE-1
<input type="checkbox"/>	DR. KHALID M. ALVI- Chapter-05		SEE ANNEXURE-3
<input type="checkbox"/>	DR AHMAD KHAN - Chapter-02		SEE ANNEXURE-8
<input type="checkbox"/>	ABDUL AZIZ Edited Book-02		SEE ANNEXURE-1
<input type="checkbox"/>	DR. MUMTAZ MUJEEB – Edited Book-01		SEE ANNEXURE
<input type="checkbox"/>	DR. KHALID ALVI Edited Book-01		SEE ANNEXURE-3
<input type="checkbox"/>	Hriday Bhanu Pratap Edited Book-01		SEE ANNEXURE-7
<input type="checkbox"/>	DR. MUMTAZ MUJEEB Book-1		SEE ANNEXURE-2
<input type="checkbox"/>	DR. KHALID ALVI Book-12		SEE ANNEXURE-3
<input type="checkbox"/>	DR. M. JAFAR AHRARI Book-2		SEE ANNEXURE-4
<input type="checkbox"/>	DR. SHAH ALAM Book-1		SEE ANNEXURE-5
<input type="checkbox"/>	DR. MOHAMMAD Book-2		SEE ANNEXURE-6
<input type="checkbox"/>	DR. AHMAD KHAN Book-2		SEE ANNEXURE-8

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards.... NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter

departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students

Dr. MUMTAZ FAKHERA

- B.A.-Mirza Ghalib Prize from Delhi University- 1974
- M.A.-Mirza Ghalib Prize from Delhi University- 1976
- Urdu Academy Delhi Award for Book Urdu mein fan e sawaneh Nigari ka Irteqa- 1988

Dr. M. JAFAR AHRARI

- 1st Prize from Urdu Academy, Delhi (1992-93)
- 1st Prize from Jawaharlal Nehru Memorial Fund, Teen Murti House, NewDelhi (1994)

24. List of eminent academicians and scientists / visitors to the department

- Prof. ShameemHanafi
- Prof. QaziAfzal Husain
- Prof. AbulKalam Qasmi
- Prof Naseer Ahmad Khan
- Prof Asghar Abbas
- Prof. Moinuddin Jeena Bade
- Prof. Abdul Haque
- Prof. Ibne Kanwal
- Prof. Sadique
- Prof. Mohammad Zakir
- Prof. Shahid Mehdi

25. Seminars/ Conferences/Workshops organized & the source of funding

Title of Conference/ Seminar etc	Date(s) of the events	Source of Funding
Mohammad Husain Azad: Hayat-O-Khidmat	April 17, 2014	NCPUL, New Delhi
Deputy Nazeer Ahmad: Hayat-O-Khidmat	April 16-17, 2013	NCPUL, New Delhi & ICHR, New Delhi
Maulvi Zakaullah: Hayat-O-Khidmat	April 21-22, 2011	NCPUL, New Delhi

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass
			Male	Female	
B.A. (H) I & II Sem	Centralize Admission Process	25	6	19	
B.A. (H) III & IV Sem	Centralize Admission Process	24	11	13	
B.A. (H) V & VI Sem	Centralize Admission Process	32	19	13	
B.A. (PROG.) I & II Sem	Centralize Admission Process	23	12	11	
B.A. (PROG.) III & IV Sem	Centralize Admission Process	9	5	4	

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A. (H) I & II Sem		80	20
B.A. (H) III & IV Sem		70.83334	29.16667
B.A. (H) V & VI Sem		81.25	18.75
B.A. (PROG.) I & II		83.16832	16.83168
B.A. (PROG.) III & IV		60.41667	38.75
B.A. (PROG.) V & VI		60	40

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Record

29. Student progression

Student progression	Against % enrolled
UG to PG	70
PG to M.Phil.	Data Not Available
PG to Ph.D.	Data Not Available
Ph.D. to Post-Doctoral	Data Not Available
Employed • Campus selection • Other than campus recruitment	Data Not Available
Entrepreneurship/Self-employment	Data Not Available

30. Details of Infrastructural facilities

- i. **Library:** A separate section in the library.
- ii. **Internet facilities for Staff & Students:** Yes
- iii. **Class rooms with ICT facility:** Yes
- iv. **Laboratories:** NIL

31. Number of students receiving financial assistance from college, university, government or other agencies: NIL

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Special lectures and Seminar organized by Department in every academic session.

33. Teaching methods adopted to improve student learning

Lecture
Presentation
Group Discussion
Quiz

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

NIL

35. SWOC analysis of the department and Future plans

Department of Urdu, Zakir Husain Delhi College, has unique speciality, due to variety of Inter-disciplinary students. Most of the students are belong to various regions, states and abroad. The department of Urdu has also challenges to accommodate and develop him according to ethos of Urdu language.

FUTURE PLANS

- 1) Organization of Seminars/ workshops/ Conferences
- 2) Involvement of more faculty and students in Research
- 3) Collaboration with other institutions for Research
- 4) Adoption of Smart Teaching Methods
- 5) Popularization of Urdu Language and Literature Amongst masses
- 6) Departmental Library

Annexure-1

Mr. ABDUL AZIZ

Articles/Chapters published in Books

S.No	Title with page nos.	Book Title, editor & publisher
1	Taraqqi Pasand Tahreek aur Reportage	Taraqqi Pasand Tahreek ka Pachas Sala safar

Books Published as single author or as editor

S.No	Title with page nos.	Type of Book & Authorship	Publisher	Co-author/sole author
1	Urdu Men Riportage Nigari	Edited	Saqui Book Depo	Sole Author
2	Firaqueki Nadir Tahreeren	Edited	M.R.Publication	Sole Author
3	Ghaban(Talkhees)	Edited	NBT, Delhi	Sole Author

Annexure-2

DR. MUMTAZ FAKHERA

Publications in journals

S.No.	Title with page nos.	Journal	Co-author/sole author
1	Intekhab e Nazm e Benazir- Deputy Nazir Ahmad	Fikr e Nau-2012-13	Sole Author
2	Munshi Zakauallah	Fikr e Nau- 2010-11	Sole Author
3	Dr. Iftekhar Begum Siddiqui	Memaran e Shoba e Urdu- 2009	Sole Author
4	Firoz Saheb	Fikr e Nau- 2007-08	Sole Author
5	Niyaz Saheb Kuchh Yadein Kuchh Batein	Fikr e Nau- 2004-05	Sole Author
6	Iqbal ka Tasauwur e Mard e Kamil aur Falsafa e Khudi	Fikr e Nau-2009	Sole Author
7	Urdu afsana fun aur rewayat	Roznama Qaumi Awaz-1982	Sole Author
8	Urdu mein Sawaneh Umri ka Fun	Fikr e Nau -1981-82	Sole Author
9	Interview	Mahnama -Asha-Karachi Pakistan- 1987	Sole Author
10	Khudnawisht Sawaneh Umariyan	sah Mahi Urdu-Anjuman Tarqqi Urdu Pakistan- 1985	Sole Author
11	Urdu mein Khaka Nigari	Fikr e Nau- ZHDC-1982-83	Sole Author
12	Meer Ki qunutiyat	Fikr e Nau ZHDC- 1991-92	Sole Author
13	Naye Mashre me Aurat ki Zimmedariyan	Fikr e Nau- ZHDC- 1993-94	Sole Author
14	Maulana Abul Kalam Azad ek Munfarid Nasra Nigar	Fikr e Nau ZHDC- 1986	Sole Author
15	Jawed Washisht Tahrir ke Aaine me	Fikr e Nau ZHDC-9188	Sole Author

Books Published as single author or as editor

S.No	Title with page nos.	Type of Book	Co-author/sole author
1	Urdu mein Fun-e- Sawaneh Nigari ka irtqa (1914-1975) RPH-1984	Book	Sole Author
2	Hareem-e-Naaz, Kitabi Duniya-2015 ISBN-978-93-84269-19-7	Edited	Sole Author

Papers presented in Conferences, Seminars, Workshops, Symposia etc.

S.No	Title of Lecture/Academic Session	Title of Conference/Seminar	Organized by
1	Mohammad Hussain Azad ki Tazkra Nigari	Mohammad Husain Azad: Hayat-O-Khidmat	ZHDC

2	Deputy Nazeer Ahmad ki Sirat Nigari	Deputy Nazeer Ahmad: Hayat-O-Khidmat	ZHDC
3	Zaka Ullah aur Delhi College	Maulvi Zaka Ullah: Hayat-O-Khidmat	ZHDC
4	Maulana Abul Kalam ki Nasr Nigari		ICCR and All India University Urdu Teacher Association
5	Qadeem Delhi College ke Shoara		Urdu Academy Delhi

Annexure-3

DR. KHALID M. ALVI

Publications in journals

S.No.	Title with page nos.	Journal	ISSN/ISBN NO.	Co-author/sole author
1	Pakistan mein Nai Urdu Ghazal,	Fikr-o-Tahqeeq,	ISSN-2249-0647	Sole Author
2	Delhi College Aur Urdu Nasr,	Maqalat-Peshawar	ISBN-112-12341200	Sole Author
3	Delhi College Mein Urdu ki Tadrees,	Maqalat-Peshawar	ISBN-112-12341200	Sole Author
4	Barre-e-Sagheer Mein Urdu Afsana,	Ajkal	ISSN-0971-846X	Sole Author
5	Majaz-Shairi aur Shakhsiyat ke Chand Pehlu,	Ajkal	ISSN-0971-846X	Sole Author
6	Faiz ki Shairi ke Ravayati Pehlu,	Ajkal	ISSN-0971-846X	Sole Author
7	Mughani Tabassum,	Ajkal	ISSN-0971-846X	Sole Author
8	Qissa Kuchh Kitab ka,	Aiwan-e-Urdu,	ISSN-2321-2888	Sole Author
9	Hali Nazaryat Aur Shairi,	Aiwan-e-Urdu,	ISSN-2321-2888	Sole Author
10	Qayam,	Makhzan Lahore,	ISSN-2225-4943	Sole Author
11	Khwab Baki HaiN,	Makhzan Lahore,	ISSN-2225-4943	Sole Author
12	Josh,	Aamad Patna,	ISSN-2279-0403	Sole Author
13	Mazhabi Firqa Bandi,	Zakir Husain Khutbat,	ISBN-8185772-59-2	Sole Author
14	Hasrat Aur Un ki Tanqeed o Tahqeeq,	Hasrat Mohani,	ISBN-81-8172-0652	Sole Author
15	Pakistan ki Ghazal,	Ghazal Ahad ba Ahad,	ISBN-81-8172-055-5	Sole Author
16	Majaz, Majaz	Hayat-O-Khidmat,	ISBN-81-8272-067-9	Sole Author
17	Qayam,	Qayam Ghalib Institute,	ISBN-81-8172-05	Sole Author
18	Shad ki Kahani,	Shad Azeemabadi Ghalib Institute,	ISBN-8-8172-054-7	Sole Author
19	Sardar Jafri ki Kabeer Shanashi,	Sardar Jafri Ghalib Inst.	ISBN-	Sole Author
20	Ghalib ki Dilli,	Jahan-e-Ghalib,	ISSN-2349-0225	Sole Author

Articles/Chapters published in Books

S.No	Title with page nos.	Book Title, editor & publisher	ISSN/ISBN NO.	Co-author/sole author
1	Germany mein Nisf Sadi,	Arshia, Delhi,	ISBN-978938-029428	Sole Author

2	Subah karna Sham ka,	EPH, NEW DELHI	ISBN-978-93-5073-19-2	Sole Author
3	Iztarab,	coustic Drive Virginia USA,	ISBN-8-8946-49-4	Sole Author
4	Ayama,	Arshia Publi.	ISBN-93-81029-66-4	Sole Author
5	Joginder Paul ki Afsana Nigari	EPH, NEW DELHI	ISBN-978-93-5073-457-5	Sole Author

Books Published as single author or as editor

S.No	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ISBN No.	Co-author/sole author
1	Jadid Hindi Shairi,	Saqi Book Depo,	ISBN-8185772-58-4	Sole Author
2	Masnviyat e Qayam,	Kitabi Duniya Delhi,	ISBN-81-89461-59-1	Sole Author
3	Ghazal ke Jadid Rujhanat,	Kitabi Duniya Delhi,	ISBN-	Sole Author
4	Qayam Chandpuri,	Urdu Academy delhi,	ISBN-81-72-53-4	Sole Author
5	Angarey,	Aalmi Media Pvt. Ltd.	ISBN-978-93-84088-15-6	Sole Author

Papers presented in Conferences, Seminars, Workshops, Symposia etc.

S.No	Title of Lecture/ Academic Session	Title of Conference/ Seminar	Organized by	Whether International/national
1	Qayam Aur Unka Fan	Qayam Hayat o Khidmat	Ghalib Institute Delhi	International
2	Delhi College	World Urdu Conference	Peshawar Uni. Pakistan	International
3	Josh ki YadoN ki Barat	Josh Centenary	Josh Society Canada	International
4	Delhi College Aur Urdu Nasr	World Conference on Urdu Teaching	Peshawar Univ. Pakistan	International
5	Majaz	Majaz Centenary	Josh Society Canada	International
6	Faiz ki Shairi	Faiz Centenary	Josh Sociey Canada	International
7	Delhi College ek amoomi Jayeza	Delhi College Symposium	ZH Evening College	International
8	Krishan Chandar ki Kahani	Krishan Cenetary Celebration	Urdu Forderverien Berlin	International
9	Majaz ki Zindagi Aur Ghazal	Majaz Centenary	Urdu Forderverien Berlin	International
10	Nai Haqeeqat Pasand Aur Ghazal	Haqeeqat Pasandi Aur Urdu Adab	PWA Delhi	International
11	Pak Ghazal ke Rujhanat	Ghazal	Ghalib Insti. Delhi	International
12	Pak Khwateen	Ghazal	Ghalib Insti. Delhi	International
13	Deputy Nazeer Ahmad	Ghazal	Ghalib Insti. Delhi	International
14	Delhi College ke Ek Ustad	Zaka Ullah	ZHDC, Delhi University	National
15	Pakistan ki Ghazal	Muasir Urdu Ghazal	Urdu Academy	National
16	Deputy Nazeer Ahmad	Deputy Nazeer Ahmad	ZHDC, Delhi University	National
17	Ghalib ki Dilli	Ghalib aur Unka Ahad	Ghalib Academy New Delhi	National
18	Sher Iqbal ki Arabi Faza	Iqbal ke Sheri Asaleeb	Urdu Deptt. Delhi	National

			University	
19	Shad ki Kahani	Shad Azeemabadi	Ghalib Inst. New Delhi	National
20	P Ghazal ke Rujhanat	Ghazal Ahad ba Ahad	Ghalib Inst. New Delhi	National
21	P Khwateen Ghazal	Ghazal Ahad ba Ahad	Ghalib Inst. New Delhi	National
22	Majaz ki Shairi	Majaz Hayat o Khidmat	Ghalib Inst. New Delhi	National
23	Hasarat Aur Unki Tanqeed	Hasarat Mohani	Ghalib Inst. New Delhi	National
24	Mir ki Ghazal	Mir ki Rewayat	Ghalib Academy New Delhi	National

Annexure-4

DR. M. JAFAR AHRARI

Publications in journals

S.No.	Title with page nos.	Journal	ISSN/ISBN NO.	Co-author/sole author
1	Classiki Mutoon Ki Eshaat, June 2015, Vol. No. 73 & Page No. 26 to 27,	Ajkal	ISSN No. 0971-846 X	Sole Author
2	Ekkiswin Sadi Ke Tanazur men Urdu Adab” July 2015, Vol. No. 72 & Page No.24 to 26,	Ajkal	ISSN No. 0971-846 X.	Sole Author
3	Krishn Chand Ke Mazamin: Ask Aur Jehat” November 2015, Vol. No. 73 & Page No. 26 to 28,	Ajkal	ISSN No.0971-846 X.	Sole Author
4	“Islami Saqafat Ki Tashkil men Hindustani Saqafat Ke Anasir”, January to March 2015, Vol. No. 2 & Page No. 15 to 19,	Urdu Research Journal	ISSN No. 2348-3687	Sole Author
5	“Urdu Tanz –O- Mezah Men Rashid Ahmad Siddiqui Ka Darja”, April to June 2015, Vol. No. 2 & Page No. 33 to 36.	Urdu Research Journal	ISSN No.2348-3687	Sole Author
6	“Seerat-Un-Nabi Ek Jayza” October- December 2014, Vol No. 1 & Pages No. 204 to 211.	VidyaVi marsha, Delhi,	ISSN No. 2348-1668	Sole Author
7	“Pichhle Pahar Aur Jan Nisar Akhtar” PariSanwad, July – December 2014, Vol. No. 1, Pages No. 40 to 44,	MurliPark ashan New Delhi	ISSN No.2394-4919	Sole Author

Books Published as single author or as editor

S.No	Title	Type of Book & Authorship	Publisher & ISSN/ISBN No.	Co-author/sole author
1	“Mashriqi Tanqeed Aur Miraat – Ush- Sher”	Kitabi Duniya Delhi, India	ISBN No. 978-93-84269-18-0	Sole Author
2	“Naqd-Ush-Sher”	Kitabi Duniya Delhi, India	ISBN No. 978-93-84269-05-0	Sole Author

Papers presented in Conferences, Seminars, Workshops, Symposia etc.

S.No	Title of Lecture/ Academic Session	Title of Conference/ Seminar	Organized by	International /national
1	“Nazir Akbarabadi Aur Hindustani Mushtarka Tahzeeb”	“A Historical Appraisal of India’s Composite Cultural Ethos Perspectives from Urdu Literature”	AnjumanTaraqqi Urdu (Hind) New Delhi, India held on 7 to 9 March 2014.	International
2	Dara ShikohkiIlmiFatooha t	“Dara Shukoh: Context of History, Context of the Present”	AnjumanTaraqqi Urdu (Hind) New Delhi, India held on 22 to 24 March 2013.	International
3	“Qadeem Matoon Ke Tanqeedi Edition”	Urdu in its more than 100 Years History”	AnjumanTaraqqi Urdu (Hind) New Delhi, India held on 21 to 24 January 2000.	International

Annexure-5

DR. SHAH ALAM

Publications in journals

S.No.	Title with page nos.	Journal	Co-author/sole author
1	Urdu nazm mei nasri hissiyat, New Delhi jan 2015	FikroTahqeeq,	Sole Author
2	Nazeer Ahmad keTaleemi Taswwrat, New Delhi 2013	Fikre-e-Nao	Sole Author
3	Faiz Ahmad FaizkiShaeri, New Delhi 2012	Fikre-e-Nao	Sole Author
4	Noon Meem Rashid ki Shaeri, sept 2005	AajKal,	Sole Author
5	Akhtarul Imanka Fan, oct-Dec 2004	Jamia Monthly,	Sole Author
6	Majrooh :Munfarid Ghazal Go Shaier, July 15,2000	HamariZaban Weekly	Sole Author
7	Maulana Azad KaAsloob, Jan-March,2000	Jamia Monthly,	Sole Author
8	Ghalim ki Nasr, March,2000	Kitab Numa Monthly	Sole Author
9	Noon Meem Rashid(Iran men ajnabikeHawale se)2016	Shame Hayat	Sole Author
10	MeraJi ki Nazm Nigari, 2016	Fikre-e-Nao	Sole Author

Articles/Chapters published in Books

S.No	Title with page nos.	Book Title, editor & publisher	Co-author/sole author
1	Abdul Ahad Saz 2001	jawaz-o-intekhab, by kausar mazhari	Sole Author
2	Bahadur ZafarkiShaeri	Ghalib aur ahad-e-ghalib, by shahidmahuli-Dr. RazaHaider, Ghalib Institute New Delhi-2001	Sole Author
3	Unnswien Sadi ki Urdu Nasr Aur Ghalib	Ghalib aur ahad-e-ghalib, by shahidmahuli-Dr. RazaHaider, Ghalib Institute New Delhi-2001	Sole Author

Books Published as single author or as editor

S.No	Title with page nos.	Type of Book & Authorship	Co-author/sole author
1	Akhtarul Iman ki Shaeri	kitabi duniya-2011	Sole Author

Annexure-6

DR. MOHAMMAD ALAM

Publications in journals

S.No.	Title with page nos.	ISSN/ISBN NO.	Co-author/sole author
1	Ishq-e-Meer ki Kayinat	ISBN.- 978-81-920120-4-9	Sole Author

Articles/Chapters published in Books

S.No	Title with page nos.	Book Title, editor & publisher	ISSN/ISBN NO.	Co-author/sole author
1	Suroor Jahanabadi Jadid Nazm Nigar,	Durga Sahay Suroor Jahanabadi	ISBN-978.81-8223-689-9	Sole Author
2	Urdu mein Secularism ki Rewayat,	Urdu Zuban ki Tarvij-o- Ashaat ke Masael	ISBN-978-93-80919-36-2	Sole Author

Books Published as single author or as editor

S.No	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ISBN No.	Co-author/sole author
1	Secular Awami kirdar aur Nazeer Akbarabadi,	Kitabi Duniya, Delhi,	ISBN- 81-89461-40-0	Sole Author
2	Urdu me Isteearati Usloob ke Numainda Nasra Nigar,	Kitabi Duniya, Delhi,	ISBN- 978-93-80919-97-3	Sole Author

Papers presented in Conferences, Seminars, Workshops, Symposia etc.

S.No	Title of Lecture/ Academic Session	Title of Conference/ Seminar	Organized by	Whether International/national
1	Ishq-e-Meer ki Kayinat	Ekkisvi Sadi main Klam- e-Meer Ki Maanviyat	Vasantrao Kale Senior College Nanded	National

Annexure-7

Mr. HRIDAY BHANU PRATAP

Publications in journals

S.No	Title with page nos.	Journal	ISSN/ISBN NO.	Co-author/sole author
1	Mohammad Husain Azad ki Shairana Azmat	Fikr-e-Nau, (Annual), New Delhi, 2015-2016,	(ISSN:2455-8974)	Sole Author

Books Published as single author or as editor

S.No	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ISBN No.	Co-author/sole author
1	Haider Qureshi ki Shairi	Edited	EPH, Delhi, ISBN- 978-93-5073-245-8	Sole Author

Papers presented in Conferences, Seminars, Workshops, Symposia etc.

S.No	Title of Lecture/ Academic Session	Title of Conference/Seminar	Organized by	Whether International /national
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1	Deputy Nazeer Ahmad: Life and Works	Deputy Nazeer Ahmad: Hayat-o-Khidmat	ZHDC	National
2	Mohd. Husain Azad: Hayat aur Khidmat	Mohammad Husain Azad: Hayat-O-Khidmat	ZHDC	National

Annexure-8Dr. AHMAD KHANPublications in journals

S.No.	Title with page nos.	Journal	ISSN/ISBN NO.	Whether peer reviewed	Co-author/sole author
1	Maulan Sadiq Sardhanwi ke Novel "Mah-e-Arab" ka Tanqeedi Tajzia, Page-10-13	Braheen, Monthly, Shah Waliullah Institute, New Delhi, June, 2016	ISSN: 2395-3640	Refereed	Sole Author
2	Awadh ka Tahzeebi Manzar Nama,	Tahzeebul Akhlaque, AMU-Aligarh, April, 2016	(ISSN:2348-2257)	Refereed	Sole Author
3	'Ek Qatra-e-Khoon' ka Tanqeedi Tajzia,	Fikr-e-Nau, (Annual), ZHDC, New Delhi, 2015-2016,	(ISSN:2455-8974)	Refereed	Sole Author
4	Qazi Abdus Sattar ki Tareekhi Novel Nigari,	Shama-e-Hayat (Annual), ZHDC(Eve.), New Delhi, 2015-2016	(ISSN:2395-1230)	Refereed	Sole Author
5	Tarseel ki Tareef-o-Tafheem	Aiwan-e-Urdu, Delhi, Feb., 2016.	ISSN-2321-2888	Refereed	Sole Author
6	Awadh mein Urdu Drame ka Tahzeebi Pasmanzar aur Indra Sabha	Tadrees Nama, APDUMT, JMI, New Delhi, Jan. to March, 2016	ISSN-2320-6624	Refereed	Sole Author
7	Urdu Mein Tareekhi Novel Nigari ke Siyasi-0-Samaji Moharrikat	Risala Jamia (Quarterly), Zakir Husain Institute of Islamic Studies, JMI, New Delhi, Oct.-Dec. 2015,	(ISSN:2278-2095)	Refereed	Sole Author
8	Umrao Jan Ada aur Lakhnawi Tahzeeb	Kitab Numa, Jamia Nagar, New Delhi, Dec., 2015.	ISSN:2348-3563	Refereed	Sole Author
9	Takhleeq aur Takhliqiat: Tareef-o-Tafheem	Urdu Dunia, NCPUL, Nov., 2015.	ISSN-2249-0639	Refereed	Sole Author
10	Deputy Nazeer Ahmad: Nav Abadyati Hindustan ke Mofakkir	Ajkal(Urdu), New Delhi, June, 2015,	ISSN-0971-846X	Refereed	Sole Author
11	Maulvi Zakaullah ka Nazaria-e-Tareekh	Aiwan-e-Urdu, Delhi, June, 2015,	ISSN-2321-2888	Refereed	Sole Author
12	Mohammad Husain Azad: Nau Abadyati Hindustan ke Mofakkir	Ghalib Nama, New Delhi, July, 2014	Quarterly Journal	Refereed	Sole Author
13	Art Film: Nazariya aur Tareekh	Urdu Dunia, NCPUL, May, 2013	ISSN-2249-0639	Refereed	Sole Author
14	Qazi Abdus Sattar: Fikr-o-Fan Aur Fankar	Majlis-e- Farogh-e-Urdu Adab, Doha, Qatar, Dec. 2005	International		Sole Author
15	Takhleeq, Takhliqiat aur	Zakir Husain Delhi	(ISSN:2455)		Sole

	Takhleeqi Tahreer	College, published in Fikr-e-Nav(Annual Journal) , 2012	-8974)		Author
16	Misr Ke Purasrar Ahram	Urdu Dunia,NCPUL, April, 2003	ISSN-2249-0639		Sole Author
17	Hind Pak Rishton Men Nai Shruwat- Kalim Bahadur (Translation)	Urdu Dunia, New Delhi, Feb. 2004	ISSN-2249-0639		Sole Author
18	Social Media: Upyogita awam Prabhao	University Hindi Journal, Quarterly, New Delhi, Jan-March, 2015	ISSN:2347-9612	Refereed	Sole Author
19	Vigyapan: Parichay, Uddeshya Ewam Mahatwa	'Parisanvad' Quarterly, New Delhi, April -June, 2015	ISSN: 2394-4919	Refereed	Sole Author
20	Television Patrkari:Parichay Ewam Smachar Lekhan	'Parisanvad' Quarterly, New Delhi, Jan-March, 2015	ISSN: 2394-4919	Refereed	Sole Author
21	Jansanchar: Awadharna Ewam Upyogita	'Shabd Vidhan', Quarterly, New Delhi, Jan-March, 2015	ISSN: 2394-0670	Refereed	Sole Author

Articles/Chapters published in Books

S.No	Title with page nos.	Book Title, editor & publisher	ISSN/ISBN NO.	Co-author/sole author
1	Qazi Abdus Sattar: Hayat aur Khidmat	Ghayas Ahmad, Nazr-e-Qazi Abdus Sattar, & Educational Publishing House, New Delhi, 2007.	ISBN-81-8223-197-3	Sole Author
2	Tajam Sultan, Qazi Abdus Sattar	Ghayas Ahmad, Nazr-e-Qazi Abdus Sattar, Educational Publishing House, New Delhi,2007	ISBN-81-8223-197-3	Sole Author

Books Published as single author or as editor

S.No	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ISBN No.	Co-author/sole author
1	Urdu Adab Men Awadh	Culture	Kitabi Dunia, New Delhi, 2010 & ISBN-81-89506-10-2	Sole Author
2	Qazi Abdus-Sattar: Fikra, Fan Aur Fankar	Fiction	Educational Publishing House,New Delhi & ISBN-81-8223-103-5	Sole Author

Papers presented in Conferences, Seminars, Workshops, Symposia etc.

S.No	Title of Lecture/ Academic Session	Title of Conference/ Seminar	Organized by	Whether International /national
1	Farsi ki Tahzeebi-o-Lisani Rawayat aur Fasana-e-Ajaeb	Farsi aur Urdu: Adabi -o-Lisani Rawayat	Zakir Husain Delhi College, New Delhi, April 22, 2016.	National
2	Abul Kalam Azad Ke	Azad Foundation, Delhi,	Azad Foundation, New	National

	Siyasi Afkar(India Wins Freedom ki Roshni Mein)		Delhi, March 27, 2016	
3	Beeswin Sadi ke Afsanon per Mabni Novelon ka Jaiza	Beeswin Sadi ke Adab Mein Rujahanat ka Mohakma	CIL/SLL&CS, Jawaharlal Nehru University, New Delhi, Feb. 13, 2016.	International
4	Urdu Navelon per Mabni Filmon ka jaiza	Urdu ke Farogh mein Film, Radio, T.V. Aur Drame ki Khidmaat	Urdu Academy Delhi, Feb. 20, 2016.	National
5	Mohammad Husain Azad: Hayat-O-Khidmat	Mohammad Husain Azad: Hayat-O-Khidmat	Zakir Husain Delhi College, New Delhi, April 17, 2014	National
6	Deputy Nazeer Ahmad: Hayat-O-Khidmat	Deputy Nazeer Ahmad: Hayat-O-Khidmat	Zakir Husain Delhi College, New Delhi, April 16-17, 2013	National
7	Awadh Culture aur Mohammad Hasan	Mohammad Hasan ki Khidmat	CIL/SLL&CS, Jawaharlal Nehru University, New Delhi, Sept. 22, 2011	National
8	Maulvi Zakauallah: Hayat-O-Khidmat	Maulvi Zakauallah: Hayat-O-Khidmat	Zakir Husain Delhi College, New Delhi, April 21-22, 2011	National

EVALUATIVE REPORT OF THE DEPARTMENT OF ZOOLOGY**1. Name of the Department: ZOOLOGY****2. Year of Establishment: 1948****3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

(a) B.Sc. (Honours) Zoology

(b) M.Sc. Zoology

4. Names of Interdisciplinary courses and the departments/units involved

(a) B.Sc. (Prog.) Life Sciences

(b) B.Sc.(Hons.)Botany (GE Paper)

5. Annual/ semester/choice based credit system (programme wise)(i) B.Sc. (Hons.) Zoology: 2nd and 3rd year semester mode, and 1st year CBCS mode(ii) B.Sc. (Prog.) Life Sciences: 2nd year semester mode, and 1st year CBCS mode**6. Participation of the department in the courses offered by other departments**

Department of Zoology has been participating in the courses offered by Botany, and Chemistry.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL**8. Details of courses/programmes discontinued (if any) with reasons: NIL****9. Number of teaching posts**

	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	02	02
Assistant Professors	11	07 (Permanent) ; 04 (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D. students guided for the last 4 years
Dr. Debjani Dutta Mukhopadhyay	M.Sc., M. Phil. Ph. D.	Associate Professor	Cell Biology	28	Nil
Dr. Anita Grover	M.Sc., M. Phil. Ph. D.	Associate Professor	Molecular Biology	23	Nil
Dr. Ilmas Naqvi	M.Sc., M. Phil. Ph. D.	Assistant Professor	Genetics	10	Nil
Dr. Anubha Das	M.Sc., M. Phil. Ph. D.	Assistant Professor	Entomology	10	Nil

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D. students guided for the last 4 years
Dr. Ragesh P.R.	M.Sc., M. Phil. Ph. D.	Assistant Professor	Classical Zoology	09	Nil
Dr. B. Hareramadas	M.Sc., M. Phil. Ph. D.	Assistant Professor	Physiology	10	Nil
Dr. Satish Ganta	M.Sc., M. Phil. Ph. D.	Assistant Professor	Developmental Biology	10	Nil
Dr. Sunil Kumar	M.Sc., M. Phil. Ph. D.	Assistant Professor	Biochemistry	06	Nil
Dr. Amitabh Mathur	M.Sc., Ph. D.	Assistant Professor	Immunology	03	Nil
Dr. AnkurMaheshwari (Adhoc)	M.Sc., Ph. D.	Assistant Professor	Bioinformatics	06	Nil
Dr. Gowri Devi K. (Adhoc)	M.Sc., M. Phil. Ph. D.	Assistant Professor	Ecology	02	Nil
Dr. Manju Bhaskar (Adhoc)	M.Sc., Ph. D.	Assistant Professor	Physiology	05	Nil
Dr. Anannya Bandyopadhyay (Adhoc)	M.Sc., Ph. D.	Assistant Professor	Biotechnology	01	Nil

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

- (i) B.Sc. (H) Zoology: 20% (Theory), 30% (Practicals)
- (ii) B.Sc. (P) Life Sciences: 31% (Theory), 33% (Practicals)
- (iii) Environmental studies: 100 %
- (iv) GE-II: 37.5%

13. Student -Teacher Ratio (programme wise)

- B.Sc. (Hons): 15 Students/Teacher (15:1)
- B.Sc. (Prog): 20 Students/Teacher (20:1)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 3 laboratory attendants are working on contractual basis

Support Staff	Sanctioned	Filled
Lab Assistants	06	05
Lab Attendants	05	04
Museum Curator	01	01

15. Number of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

- a) No. of faculty members with M.Sc., M. Phil., Ph.D.- 09
- b) No. of faculty members with M.Sc., Ph.D.- 04

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

National:

Faculty member	Project Title	Funding Agency	Grant received
Dr. Ragesh P.R., Dr. Satish Ganta, Dr. AnkurMaheshwari	Development of User-Friendly Low Cost Portable Biosensor for the Detection of Pesticides” ZHC-301	Innovation Project grant by DU	INR 7 lakh
Dr. Sunil Kumar, Dr. B. Hareramadas, Dr. Ilmas Naqvi	Designing a mathematical model to solve the upcoming water crisis in the Noida/Greater Noida Region”ZHC-302	Innovation Project grant by DU	INR 3.5 lakh

International projects: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

18. Research Centre /facility recognized by the University: NIL

19. PUBLICATIONS: (See Annexure-I)

Authors	Research publications	Chapters in books	Books
Dr. Debjani D. Mukhopadhyay	4	0	0
Dr. Anita Grover	4	3	0
Dr. Ilmas Naqvi	0	0	0
Dr. Anubha Das	No data	No data	No data
Dr. Ragesh P.R,	3	0	0
Dr. B. Hareramadas	6	0	0
Dr. Satish Ganta	4	0	0
Dr. Sunil Kumar	6	2	0
Dr. Amitabh Mathur	2	0	0
Dr. AnkurMaheshwari	8	1	0
Dr. Gowri Devi K.	2	0	0
Dr. Annanya Bandyopadhyay	4	1	0
Dr. Manju Bhaskar	7	0	0

20. Areas of consultancy and income generated: None

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards....

Dr. B. Hareramadas

- Life member of the **Indian Society for Comparative Endocrinology.**

Dr. Sunil Kumar

- Life member of the **Indian Society for Comparative Endocrinology.**

Dr. Manju Bhaskar

- Life member of **Indian Science Congress Association**
- Life member of **Zoological Society of India**

Dr. AnkurMaheshwari

- Life member of **Society of Andrology, India**

22. Student projects

- a) **Percentage of students who have done in-house projects including inter departmental/programme: 40% (Approx.)**
- b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 5% (Approx.)**

23. Awards / Recognitions received by faculty and students: No Record

24. List of eminent academicians and scientists / visitors to the department

- **Prof. Anand Prakash**, Department of Psychology, University of Delhi
- **Dr. Subeer S. Majumdar**, Staff Scientist-VII, National Institute of Immunology, New Delhi
- **Prof. Khwaja M. Rafi**, Principal, Brown Hills College of Engineering and Technology, Faridabad
- **Dr. N.P.S. Chauhan**, Director, Amity Institute of Wildlife Sciences, Noida, UP
- **Dr. Sher Ali**, Staff Scientist & Chief, Molecular Genetics Lab, National Institute of Immunology, New Delhi
- **Dr. Deepak Sehgal**, Professor and Head, Department of Life Sciences, Shiv Nadar University, Greater Noida
- **Dr. Anju Shrivastava**, Professor, Department of Zoology, University of Delhi.

25. Seminars/ Conferences/Workshops organized & the source of funding

National:

- *National Symposium on Environmental Contamination and Public Health, August, 24, 2015*, Department of Zoology, Zakir Husain Delhi College, University of Delhi. Funded by University Grants Commission and Indian Council of Medical Research.
- *Workshop on Introduction to Bioinformatics, 16th -20th January 2012* at ILLL (Institute of Life Long Learning), North Campus, University of Delhi. Funded by Department of Biotechnology (DBT)

International: NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B. Sc. (H) Zoology	College admit student as per the guidelines of University of Delhi.	15	11	100 %	15
B.Sc. (P) Life Sci.		32	26	100 %	32
M.Sc. Zoology		Nil	4	100%	Nil

27. Diversity of Students

Name of the Course	% of students from the same state (Delhi)	% of students from other States	% of students from abroad
B. Sc. (H) Zoology	65.6	34.4	0
M.Sc. Zoology	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? A large number of students clear and excel various entrance exams but comprehensive data is not available.

29. Student progression: Comprehensive data is not available

30. Details of Infrastructural facilities

- i. **Library:** The department does not have its own library but the college library is well equipped with around 1, 11,500 books and a Multi-media library having a vast collection of electronic materials for e-learning.
- ii. **Internet facilities for Staff & Students:** Available
- iii. **Class rooms with ICT facility:** One class room and one Museum are equipped with the projector facility. During classes, faculty can use personal laptops or laptops provided by the college to each department.
- iv. **Laboratories:** 2 well equipped labs with latest instruments required as per student's curriculum and a Cell culture facility room.

The department's museum has a thoroughly modernized look with swanky glass cabinets fitted with internal lighting. It houses over 300 whole specimens and articulated/disarticulated skeletons of various animals.

31. Number of students receiving financial assistance from college, university, government or other agencies: >5 students are getting financial assistance from the college

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Zoological society "Inheritance" organizes one or two lectures per year, and invites the eminent personalities from diverse fields to share their wisdom and interact with our students. For number of eminent personalities and scientists interacted with students refer to point number 24.

33. Teaching methods adopted to improve student learning

The department combines the traditional “chalk and talk” approach along with collaborative form of learning. The classrooms and labs have LCD projectors with high-end configured laptops for power point presentations required for teaching. The well connected wi-fi system of the college ensures the access to world-wide information in a matter of minutes. Moreover the department is in possession of research software required to carry-out in silico work in biology as well as a classical museum with plethora of specimens to explore zoological diversity. The student-teacher interaction extends beyond the classrooms for their academic up-liftment. As around 50% of students have an “average” precollege academic record teachers use dynamic skills like real world associations, interactive presentations with extra attention to individual students to help students progress to an above average academic level. Our department also provides students to get involved in multidisciplinary research projects which help them learn techniques and research methodologies. By way of these projects, students not only develop an aptitude for science, but also learn basic research ethics, problem solving, lateral thinking, independence as well as teamwork, which help them, broaden their horizon beyond the classroom teaching and course curriculum. Moreover, students are given opportunities to present their work in various National and International conferences. This helps them gain confidence and boldly face interviews. All-in-all, these activities help the students to acquire organizational skills.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Department understand its responsibility towards society. In order to contribute towards societal welfare, department organizes annual lectures focused on the awareness of students, faculty and staff members toward environment and/or society. Moreover, research activities currently running the department largely addressing the present day world’s biggest problem, water pollution. Currently, two DU-funded innovation projects are running in the department, and previously we have successfully completed two innovation projects. Largely, these projects are aimed to address the anthropogenic impact on environment, in particular, pesticide and heavy metals contamination in water and their impact on biological systems. Besides increasing the awareness and sensitizing the people towards environment, we have planned to develop the low cost portable biosensor to detect the pesticide in water. These are our small steps towards protecting our environment by awareness that will directly benefit the society. In addition to regular academic activities, the students and the faculty regularly participate in social activities and programmes like **Blood Donation Camps, awareness marches/ programs like Swine Flu awareness, GM crops etc., Tree Plantation, Environment Day, Heart Day etc.** organized by the college societies. **Our students are volunteers of NSS & NCC Unit of the college.**

35. SWOC analysis of the department and Future plans

Strengths

- Dedicated, well qualified and experienced faculty with willingness to adopt new ideas.

They are from different areas of specializations which add on to the expertise required per curriculum. Some of the faculty members are actively involved in research. Continual up gradation of teaching skills by attending workshops, refresher courses and orientation programs

- Department provides a platform for Student – Subject Expert interaction through events
- Laboratories with adequate infrastructure and paraphernalia to conduct the practical
- Supportive non-teaching staff
- Cohesiveness within the Department and interdepartmental bonding

Weakness

- Inadequate funds for maintenance of equipment in the laboratory Constraint of space
- Constraint of time

Opportunities

- There is a growing demand for Biologists from industry and academia. Students need to be made aware of the opportunities in various fields to attract them to pursue Zoology
- Use of technology can help in faster & better learning as well as collaboration with various members of the student bodies, academia and industry across the globe
- Partnering with Industry and alumni to enhance research focus as well align teaching with real world needs and improve student employability

Challenges and Future plans

- To meet the new age challenges we wish to equip ourselves with better class rooms as well as laboratories with up-to-date facilities on a par with the best of the institutions around
- We have already introduced the under graduate students to research and would continue to do so by trapping the young minds and engaging in thoughtful, problem –solving and fruitful research.
- Improving the quality of incoming students and ensuring academic excellence of students
- Identifying industry and academic partners for collaboration
- Identifying avenues for research & other funding

Annexure

Name of the Teacher: Dr. Debjani Datta Mukhopadhyay

TITLE	Journal	Year, Vol. & Page No.	Whether peer reviewed

1. Action of cis- Dichlorodiammine platinum- II {cis.platin} on Stylonychiamytilus {ciliata : protozoa}.Differential sensitivity of micro -and macronucleus	Indian J. Exptl. Biology	1982 vol.20 pp. 499-506.	Peer Reviewed
2. A simple method for production of amiconucleat cells in some Ciliated Protozoa by cis- Dichlorodiammine platinum II	Acta Protozoology	1989 vol. 28 (2) pp 191 -196	Peer Reviewed
3. Variable sensitivity of micronuclear genome during different life cycle stages towards cis- dichlorodiammine platinum II in Stylonychialemnae	Ind. J ExptlBiology	1994 vol. 32 pp 470 -473	Peer Reviewed
4. Macronuclear regeneration in amiconucleate cells of Blepharismamusculus(Ciliata; Protozoa)	Protozoology.	1989 pp 117	Peer Reviewed

Name of the Teacher: Dr. Anita Grover

TITLE	Journal	Year, Vol. & Page No.	Whether peer reviewed
1. Isoelectric focusing of cells using zwitterionic buffers	Exp Cell Biol.	1979;47(5):360-7	Peer Reviewed
2. Experimental anal-ysis of morphogenetic cell sorting.	Indian J Exp Biol.	1980 Oct;18 (10):1072-8.	Peer Reviewed
3. Sorting out in heterotypic cell aggregates is regulated by differences in the cell surface charge.	<u>Cell Differ.</u>	1983 Nov; 13 (3):209-16.	Peer Reviewed
4. Cell sorting: an experimental model to elucidate the cellular basis of morphogenesis.	ProgClinBiol Res.	1984;151:345-57.	Peer Reviewed

Chapters in Books:

Title of the Book	Publication Type	Sole Author or not	Publisher
E Book on Developmental Biology	Three Chapters: Fertilization Teratology Organogenesis	Yes	NSDL in e book, 2008

Name of the Teacher: Dr. RAGESH. P. R.

TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	SNI P	SJR	Name of International Database in which publication listed

1. Attraction of neonate Helicoverpaarmigera (Hübner) (Lepidoptera: Noctuidae) larvae to different host plant volatiles.	J of Entomology & Zoology Studies	2015 3, 94- 97.	ISSN: 2320- 7078	Peer Review ed	0.55 5	4.00 9	.	Thomson Reuters
2.Oviposition behaviour of tobacco caterpillar, Spodopteralitura (Fabricius) (Lepidoptera: Noctuidae) on different host plants	J of Entomology & Zoology Studies	2015 3, 44	ISSN: 2320- 7078	Peer Review ed	0.55 5	4.00 9		Thomson Reuters
3.Repellent, antifeedant and toxic effects of Ageratum conyzoides (Linnaeus) (Asteraceae) extract against Helicovepraarmigera (Hübner) (Lepidoptera: Noctuidae)	Archives of Phytopathology and Plant Protection.	2016 49, 19	ISSN: 0323- 5408 (Print)	Peer Review ed	0.31 5	0.34 5	0.20 9	SCOPUS

Name of the Teacher: **Dr. B. Hareramadas**

H-index of the author		4							
TITLE	Journal	Year, Vol. & Page No.	ISS N/ ISBN No.	Whet her peer reviewed	Imp act facto r (if any)	Citat ion Inde x	SNI P	SJR	Name of Internat ional Databas e in which publicati on listed
1. Thymic structural changes in relation to seasonal cycle and testosterone administration in wall lizard Hemidactylusflaviviridis.	Ind. J. Exp. Biol.	2001, 39: 629- 635	001 9- 518 9	Yes	0.83 5		0.7 58	0.3 77.	Science Citation Index Expanded™ PubMed
2. Glucocorticoid induced thymocyte apoptosis in wall lizard Hemidactylusflaviviridis (Ruppell).	Gen. Comp. Endocrinol.	2004, 135(3): 293- 299	001 6- 648 0	Yes	2.47 0		0.9 02	0.9 54	Scopus
3. In vitro effect of corticosterone on lizard thymocytes. "Trends in comparative endocrinology	Proceedin gs of the 5 th Asia and Oceania Society for Comparative Endocrinology"	2004, 230- 232	ISB N: 091 3- 903 6	---	---		---	---	---

4. Mechanism of androgen-induced thymic atrophy in the wall lizard, <i>Hemidactylus flaviviridis</i> : An in vitro study.	Gen. Comp. Endocrinol.	2005, 144(1): 10-19	0016-6480	Yes	2.470		0.902	0.954	Chemical Abstracts Service
5. Cellular mechanism of estrogen-induced thymic involution in wall lizard: caspase-dependent action.	J. Exp. Zool.	2006, 305A(5): 396-409	1932-5223	Yes	1.44		0.646	0.499	Science Citation Index
6. Estrogen-induced thymic atrophy in the Wall lizard, <i>Hamidactylus flaviviridis</i> .	Proceedings of the 5 th Intercongress of Asia and Oceania Society for Comparative Endocrinology	2006, 267-275	ISBN: 0913-9036	---	---		---	---	---

Name of the Teacher: **Dr. Satish Ganta**

TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Attraction of neonate <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae) larvae to different host plant volatiles.	Journal of Entomology and Zoology Studies	2015, 3, 94-97.	2320-7078	Peer Reviewed	0.555	-	4.009	.	Thomson Reuters
2. Oviposition behaviour of tobacco caterpillar, <i>Spodoptera litura</i> (Fabricius) (Lepidoptera: Noctuidae) on different host plants	Journal of Entomology and Zoology Studies	2015, 3, 40-44	2320-7078	Peer Reviewed	0.555		4.009		Thomson Reuters
3. Repellent, antifeedant and toxic effects of <i>Ageratum conyzoides</i> (Linnaeus) (Asteraceae) extract against <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae)	Archives of Phytopathology and Plant Protection.	2016, 4, 19-30	0323-5408	Peer Reviewed	0.315	-	0.345	0.209	1. Biosis Previews®.

4. Temporal dynamics of herbivore-induced responses in Brassica juncea and their effect on generalist and specialist herbivores.	Entomologia Experimentalis Et Applicata	2011, 139-225.	1570-7458	Peer Reviewed	1.669	-	-	-	-
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Name of the Teacher: Dr. Sunil Kumar

TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNI P	SJ R	Name of International Database in which publication listed
1. Declining Population of Phabou Nga (Puntius sophore), A Staple Dietary Fish in Manipur: Ensuing Concerns.	<u>DU Journal of Undergraduate Research and Innovation</u>	<u>2015</u> <u>Page no. (90-101)</u>	2395 – 2334	-	-	-	-	-	
2. Dynorphin regulates phagocytic activity of splenic phagocytes in wall lizards: involvement of κ -opioid receptor-coupled AC-cAMP-PKA pathway.	<u>J. Exp. Bio.</u>	<u>2011</u> <u>Vol. 214, 4217-4222</u>	00220949	Peer reviewed	3.040		1.371	1.637	PMC
3. Immunomodulatory role of substance P in the wall lizard Hemidactylus flaviviridis: An in vitro study.	<u>Neuropeptides</u>	<u>2011</u> <u>45: 323–328.</u>	01434179	Peer Reviewed	2.108		0.489	0.533	PMC
4. Neuropeptide Y, an orexigenic hormone, regulates phagocytic activity of lizard splenic phagocytes.	<u>Peptides</u>	<u>2011.</u> <u>32132</u> <u>4-1329.</u>	01969781	Peer Reviewed	<u>2.513</u>		0.890	0.733	PMC
5. β -Endorphin inhibits phagocytic activity of lizard splenic phagocytes through μ receptor-coupled adenylate cyclase-protein kinase A signaling pathway.	<u>Gen. Comp. Endocrinol.</u>	<u>2011,</u> <u>171</u> <u>(3):30</u> <u>1-</u> <u>308.</u>	00166480	Peer Reviewed	<u>3.108</u>		1.114	1.074	PMC

6. Diurnal variation in phagocytic activity of splenic phagocytes in freshwater teleost Channa punctatus: melatonin and its signaling mechanism.	J Endocrin ol	2008: 199(3)): 471- 80.	00220 795	Peer Review ed	3.548	-	0.9 96	1.1 68	PMC
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Chapters in Books: Two

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
1.Hormones and reproduction of vertebrates Vol. 3, Reptiles	Chapter: Hormonal control of testicular functions in reptiles	9780123749307	Refereed	Academic Press, USA, Elsevier Publication, 2011	Co-author
2.E-Book on reproductive Biology	Chapter: Pregnancy	NA	Refereed	NSDL, NISCAIR, CSIR, New Delhi, India, 2008	Co-author

Name of the Teacher: Amitabh Mathur

TITLE	Journal	Year, Vol. & Page No.	Whether peer reviewed	Impact factor (if any)
1.Role of estrogen in the regulation of spermatogenesis in the Indian wall lizard Hemidactylusflaviviridis	General and comparative endocrinology	172 (2011), 225-233	yes	3.8
2.Transcriptome analysis of spermatogenically regressed, recrudescant and active phase testis of seasonally breeding wall lizards Hemidactylusflaviviridis	Plos One	March 2013	Yes	4.1

Name of the Teacher: Dr. AnkurMaheshwari

H-index of the author	6								
TITLE	Journal	Year, Vol. & Page No.	ISSN / ISBN No.	Whet her peer revie	Impact factor (if any)	Citatio n Index	SNI P	SJR	Name of Internationa l

				wed						Database in which publication listed
1. Eugenia jambolana Pretreatment Prevents Isoproterenol-Induced Myocardial Damage in Rats: Evidence from Biochemical, Molecular and Histopathological Studies	Journal of Medicinal Food	2014 Vol 17 Page 244-253	ISSN 109-620X	Peer Reviewed	2.626	1	0.813	0.577		MEDLINE;
2. N-acetyl-L-cysteine modulates multiple signaling pathways to rescue male germ cells from apoptosis induced by chronic hCG administration to rats.	Apoptosis	2012 Vol 17 551-565	ISSN 1360-8185	Peer Reviewed	3.685	12	1.166	1.316		BIOSIS
3. Differential modulation of apoptotic gene expression by NAC in Leydig cells stimulated persistently with hCG in vivo	Molecular and Cellular Endocrinology	2012 348 155-164	ISSN : 0303-7207	Peer Reviewed	4.405	13	1.181	1.665		BIOSIS
4. N-Acetyl-L-cysteine counteracts oxidative stress and prevents H ₂ O ₂ induced germ cell apoptosis through down-regulation of caspase-9 and JNK/c-Jun	Molecular Reproduction and Development	2011 78 69-79	ISSN 1098-2795	Peer Reviewed	2.527	23	0.969	0.975		CABI; ProQuest
5. N-Acetylcysteine counteracts oxidative stress and prevents hCG induced apoptosis in rat Leydig cells through down-regulation of caspase-8 and JNK	Molecular Reproduction and Development	2010 77 900-909	ISSN 1098-2795	Peer Reviewed	2.527	17	0.969	0.975		CABI; ProQuest
6. Pathways involved in testicular germ cell apoptosis induced by H ₂ O ₂ in vitro	FEBS Journal	2009 276 870-881	ISSN 1742-4658	Peer Reviewed	4.001	83	1.130	1.866		EBSCO Publishing;
7. Adverse effects associated with persistent stimulation of Leydig cells with hCG in vitro	Molecular Reproduction and Development	2009 76 1076-1083	ISSN 1098-2795	Peer Reviewed	2.527	22	0.969	0.975		CABI; ProQuest;
8. Release of copper from CuT 380A co-incubated with human semen and its effect on sperm function in vitro	Indian Journal of Physiology and Pharmacology	2008 52 267-273	ISSN : 0019-5499	Peer Reviewed	NA	3	0.638	0.208		MEDLINE®; PubMed®/NLM;

Chapters in Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
Gene Pool Diversity and Crop Improvement	Edited	ISBN: 978-3-319-27094-4	Refereed	Springer International Publishing (Switzerland) 2016	Co-Author

Name of the Teacher: Dr. Gowri Devi K.

H-index of the author	2								
TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index	SNIP	SJR	Name of International Database in which publication listed
1. Histopathology of experimental Aeromonashydrophila infection in Indian major carp Labeorohita (Ham.).	Photon Journal of Pathology	2014, 103, 180-187.	4294 - 4684	yes	-	-	-	-	-
2. Phytochemical screening of three herbal plants and their antimicrobial activity against various fish bacterial pathogens.	International Journal of Pharmacy.	2014, 105, 431-435	8237 - 7516	yes	-	-	-	-	-

Name of the Teacher: AnannyaBandyopadhyay

H-index of the author	2 (Google Scholar)								
TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)			SJR	Name of International Database in which publication listed

1.The Ribosome-Sec61 Translocon Complex Forms a Cytosolically Restricted Environment for Early Polytopic Membrane Protein Folding.	Journal of Biological Chemistry	2015 Nov 27; 290 (48):28944-52.	(ISSN-0021-9258).	Yes	4.6		0.44	Pubmed
2.Classification of chemical chaperones based on their effect on protein folding landscapes.	ACS Chemical Biology	2015 Mar 20; 10(3):813-20.	(ISSN-1554-8929).	Yes	5.4		2.4	Pubmed
3.Chemical chaperones assist intracellular folding to buffer mutational variations.	Nature Chemical Biology	2012 Jan; 8(3): 238-45.	(ISSN-1552-4450).	Yes	13.2		13.22	Pubmed
4.Expression and molecular characterization of the Mycobacterium tuberculosis PII protein.	Journal of Biochemistry	2010 Feb; 147(2): 279-89.	(ISSN-1756-2651).	Yes	3.1		1.33	Pubmed

Chapters in Books

Title of the Book (s)	Publication Type	Book ISSN/ISBN No.	Refereed or Not	Publisher (city/country) & Year of Publication	Sole/Co-author
1.Advances in Biotechnology	1.	2. (ISBN-9788177542363).	Yes	3. Agrobios (India) Publishers, Jodhpur, India.	Co-author

Name of the Teacher: Manju Bhaskar

H-index of the author	2
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TITLE	Journal	Year, Vol. & Page No.	ISSN/ ISBN No.	Whether peer reviewed	Impact factor (if any)	Citation Index			Name of International Database in which publication listed
1. Ecological attributes of Hepatozoon lacertilis Gupta et al. 2011 susceptibility in Indian lizards Hemidactylus flaviviridis (Gekkonidae) and Calotes versicolor (Agamidae).	Tropical Biomedicine	2013 30: 97- 104	0127 - 5270	yes	0.85	1			
2. Macroenvironmental influence on Hepatozoon lacertilis sp. nov. (Coccidia : Hepatozoonidae) infectivity.	Journal of Environmental Biology	2012 , 33 : 127- 132	0254 - 8704	yes	0.56	3			
3. Gastro-intestinal invasion in Hemidactylus flaviviridis with a new species of Parapharyngodon (Oxyuridea : Oxyuridae)	Zootaxa	2009 , 216 5, 39- 51	1175 - 5326	yes	0.906	9			
4. Erythrocytic development of Plasmodium indica n. sp. (Haemosporina : Plasmodiidae) from an Indian lizard, Hemidactylus flaviviridis.	Bulletin NRC	2009	1110 - 0591	Yes					
5. Haemoparasitocoenosis in selected amphibian, reptilian and mammalian species of Rohilkhand region.	Himalayan journal of environmental zoology	2006 20, 61- 65.	0970 - 2903	Yes					
6. Diversity of parasite fauna in amphibian and reptilian population of Rohilkhand region, India	Biospectra	2006 1, 22- 30.	0973 - 7057	Yes					
7. The incidence of helminth parasites in amphibian and reptilian population from Rohilkhand region, India.	Journal of Current Science	2006 , 9 (1): 185- 190.	0972 - 6101	Yes					