

SELF STUDY REPORT - 2015

Vivekananda College



269, Diamond Harbour Road,
Thakurpukur, Kolkata- 700 063

Phone : 2497-6824/6834

e-mail : vivekanandacollege63@gmail.com

Website: <http://www.vckolkata63.org>

SELF STUDY REPORT (SSR)
for submission to
National Assessment and Accreditation
Council (NAAC)
Bangalore, India
for
2nd Cycle of Accreditation - 2015

**VIVEKANANDA COLLEGE**

(GOVT. SPONSORED)

269, DIAMOND HARBOUR ROAD, THAKURPUKUR,
KOLKATA-700 063(033) 2497 6824
(033) 2497 6834Website : www.vivekananda-college.org
Fax : (033) 2497-6834 email : vivekanandacollege63@gmail.com

Ref. No. VC/NAAC/SSR/15/116

Date. 30/11/2015

To

The Director,

National Assessment and Accreditation Council (NAAC),

Jnana Bharathi Road, P. B. No. 1075,

Nagarbhavi, Bangalore,

PIN – 560072.

SUB: Uploading the Self Study Report 2015 of Vivekananda College, 269 Diamond Harbour Road, Thakurpukur, Kolkata – 700063 for the 2nd Cycle of Accreditation, in the official website of the college www.vckolkata63.org.

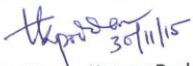
Sir,

In response to your letter (Reference Number: NAAC/CAPU/East/WBCOGN11361/2015, dated 6th July 2015) accepting our LOI, we are hereby uploading our Self Study Report (SSR) in our official website for your kind perusal. We are going to send the hard copies of the SSR in time.

I am awaiting your response for probable dates of the Peer Team visit to our institution.

Thanking you,

Yours faithfully,


(Dr. Tapan Kumar Poddar)

PRINCIPAL
Vivekananda College
Thakurpukur, Kol-63





VIVEKANANDA COLLEGE

(GOVT. SPONSORED)

269, DIAMOND HARBOUR ROAD, THAKURPUKUR,
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(033) 2497 6824
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Fax : (033) 2497-6834 email : vivekanandacollege63@gmail.com

Ref. No.....

Date: 30/11/2015

CERTIFICATE OF COMPLIANCE

This is to certify that **Vivekananda College** fulfills all norms

1. Stipulated by affiliating university and/or
2. Regulatory Council/ Body (such as UGC, NCTE, AICTE, MCI, DCI, BCI etc.) and
3. The affiliation and recognition is valid as on date

In case of affiliation/recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

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.

Date: 30th November, 2015.

Place: Kolkata

T. Kumar Poddar
30/11/15

Principal

(Dr. Tapan Kumar Poddar)



PRINCIPAL
Vivekananda College
Thakurpukur, Kol-63

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Preface

Vivekananda College, situated in the southern fringes of Kolkata metropolis, has earned reputation as one of the premier institutions in the country. Affiliated to the University of Calcutta, the institution runs three streams - Science, Humanities and Commerce in two shifts (Day & Morning), at



undergraduate level, serving about 4000 students. 23 subjects are taught in Honours and General courses. The college has recently introduced a self - financed certificate course in Photography. It is really a matter of pride to announce that the college has obtained an approval from the affiliating university for opening post graduate courses in History and Bengali, which are going to be introduced in the next academic session (2016 - 2017). The overall achievement of the college has earned for it the label of the best educational hub for two consecutive years (2013, 2014) in a survey made by Neilson - India Today.

Vivekananda College, initially known as the Barisha College, started its journey in realm of Higher Education in 1950. The college was founded under the Dispersal Scheme of the Government of West Bengal, for releasing the pressure of admission due to increasing influx of refugees from erstwhile East Pakistan (presently Bangladesh). It was first housed in Barisha High School, but later in 1953 was shifted to newly built premises, close to the school compound. At that time it was an intermediate college. In June 1956, the college was sponsored by the State Government with its upgradation as a degree college. In the same year, the college secured the UGC affiliation and was brought under the Ministry of Rehabilitation, Government of India. The Government of West Bengal, however, retained control over it. It was at that time, the college was christened as Vivekananda College, after the sacred name of Swami Vivekananda, one of the outstanding pioneers in shaping modern India.

Due to rapid increase in number of students, the college faced the problem of scarcity of space and accommodation. Eventually in 1959, the college was shifted to its present spacious premises at Thakurpukur, with an extensive campus area of about 6.17 acres of land. Initially the college buildings were constructed with the capital grants received from Ministry of Rehabilitation, Government of India.

The area Thakurpukur is associated with the memory of James Long, a revered humanist, who dedicated his life to the spread of education in this largely Bengali inhabited region, in the later half of 19th century. Remaining true to the hopes and aspirations of the enlightened people of the locality, the establishment of Vivekananda College marked a milestone in the sphere of advancement of learning. The founder Principal Late Sushil Kumar Ray, D.Sc., was a man of outstanding qualities. His profound scholarship blended with administrative acumen, in no time, ameliorated the college as an excellent citadel of learning. Dr. Ray's honest endeavor was ably supported by Late Bidhu Bhusan Sengupta, social worker and eminent journalist, who graced the chair of the first President of the Governing Body of the college. We take the opportunity to mention that in its early years, the college was blessed to have the services of one of the most outstanding Bengali poets, Late Jibanananda Das, who taught in the department of English (1952 - 53). We remember his contribution with modesty and reverence and pay our homage to this litterateur of excellence.

Vivekananda College travelled a long way since 1950 and in course of 65 years, the college has excelled as a centre for learning. Since its inception, the college has been engaging itself in disseminating higher education based on human values. The effort of the institution is not only restricted to classroom teaching, relentless efforts are also taken to make good citizens as well. The issues of social justice, progressive values and equality are held high, which are reflected in every step the college takes. As the college is situated in a semi-urban area, a large number of students come from socially and economically backward sections. The college considers the needs of the underprivileged with care and sympathy.

The college publishes its own journal entitled *Bodhi*, separately in three streams - Science, Humanities & Commerce. It is a unique venture to publish scholarly writings from men of letters. The college upgrades itself in imparting knowledge to the stake holders by using ICT. There are smart class rooms, a seminar hall equipped with LCD projector and a large auditorium. The college has already started the process of installing a solar panel for using renewable energy resources. The college is also going to introduce a system for rain water harvesting.

The institution believes in the harmonious development of body, mind and soul and hence whole heartedly encourages the students to take active parts in sport and games, cultural activities and social works. Remaining faithful to the lofty ideals of Swami Vivekananda, the college firmly believes in his words: " Education is the manifestation of perfection already in man". Thus along with teaching and learning, the college gives priority to the cultivation of human qualities of the learners. *Tamoso Ma Jyotirgamoyo* (From darkness, lead us to light) is the guiding principle of the institution.

‘Education for Empowerment’ being the objective, the college has educationally empowered thousands of students over the years and many of them left remarkable impression in the sphere of learning within and outside the country. Self- assessment and self- criticism are continuous processes, which the institution meticulously practices for its improvement. We are placing our Self Study Report for the 2nd cycle for accreditation by the NAAC for evaluation by an external agency. We hope that suggestions of the NAAC peer team will be the guiding force to cope with the changing patterns of the modern education system in a more efficient and effective manner.

Executive Summary (SWOC Analysis):

Strength:

- Overall effort to inculcate progressive ideas with human values.
- Eco-friendly ambience in the campus.
- Highly committed and erudite academic staff.
- Excellent teacher student relationship.
- Efficient and helpful administrative staff.
- Dynamic and student friendly management.
- Airy and well ventilated class rooms.
- Resourceful library with a spacious reading room.
- Very well equipped laboratories.
- Ample scope for sports and games with a Gymnasium as well as a Yoga centre.
- Cultural activities of both students and staff with active cooperation of Cultural Platform.
- Research activities under the supervision of Research Guidance Cell.
- Hygienic and spacious canteen for both students and the staff.
- Spacious students’ common room.
- Active Job Training & Placement Cell.
- A well-disciplined NCC unit.
- A well-organized NSS unit.
- Overall Internet access facility.
- Separate Administrative Block.
- Adequate supply of purified and cold drinking water connections in several places.
- Very large playground.
- A nationalized bank within the college premises.
- Ramps for physically challenged persons in front of each building.

Weakness:

- Paucity of teaching staff, particularly in the wake of increasing number of students and opening of new subjects.
- Acute shortage of non-teaching employees and increasing dependence on casual staff.
- Uncleanliness and disturbance due to ongoing metro railway project in front of the college, for a considerable length of time.
- Dearth of government funding.
- Long distance from the affiliating university and the Education Directorate, Government of West Bengal.

Opportunities:

- Being the oldest and the most reputed college in the locality, it can avail itself of the opportunity of having a huge number of bright students.
- Availability of a large number of subjects, including unconventional & emerging subjects.
- Location of the college in a place with convenient connectivity.
- Having a vast area, the college has the opportunity and scope for further extension.
- Very effective and cooperative Students' Union.
- Location of Police Station, Fire Service Station and Post Office in close proximity of the college.

Challenges:

- To maintain the standard of the college in keeping with its glorious legacy and heritage.
- To maintain academic tranquility during the admission process, in face of huge rush of the new entrants.
- To ensure security and maintain cleanliness of the huge campus.
- To make the students competent for research works and higher studies.
- To improve the process of campus placement, in keeping with competitive job market.
- To enhance ICT facility for all.

Future Plan:

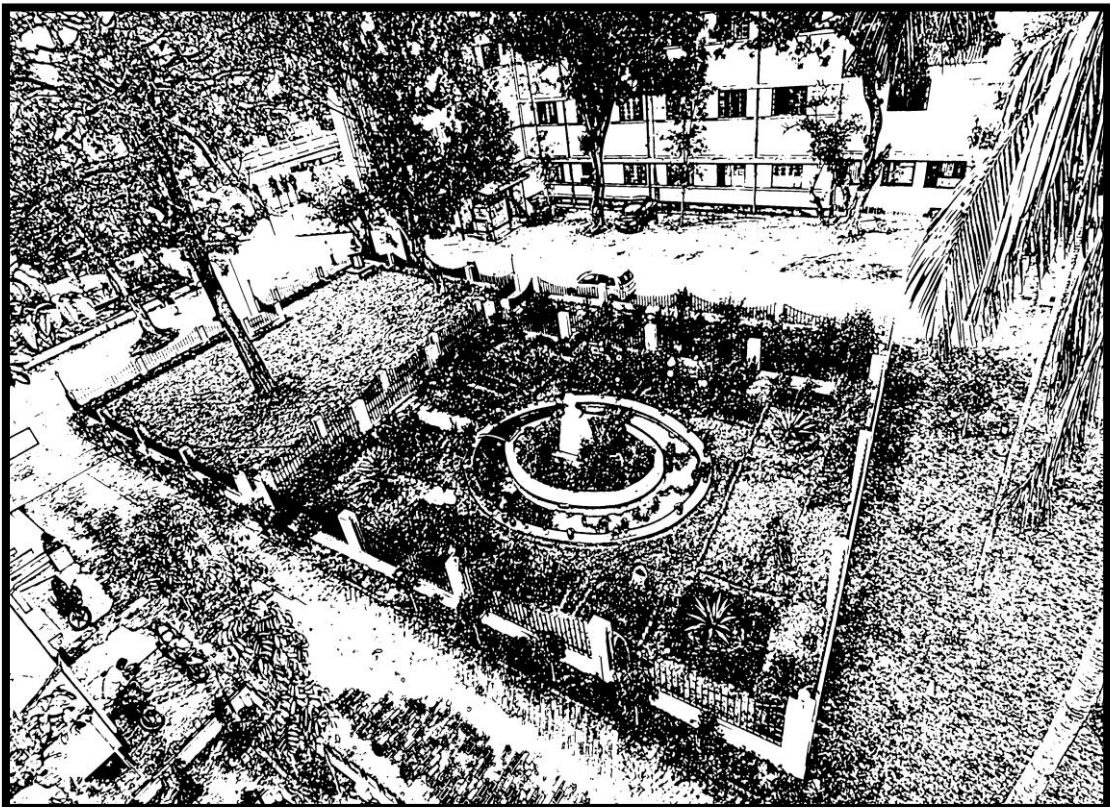
- Further improvement of the library
- Introduction of Post Graduate Courses in more subjects
- To make the college ambience more eco-friendly
- Introduction of Interdisciplinary research centre
- To extend more and advanced ICT facilities to the students
- Encouragement of Teacher Exchange Programme
- Improvement of infrastructure for sports and games

- Introduction of Web based Student Evaluation System
- Fully computerized administrative system
- Introduction of computerized data management system
- To improve and enhance the scope for campus placement

Post Accreditation (1st Cycle) Acheivements:

Items	2004	2015
Total UG courses	18	23
Number of Honours Course	13	20
Number of Computers	14	72
Number of Computers with Internet Connectivity	05	57
Number of Classrooms	28	45
Number of Laboratories	20	28
Number of smart classes	Nil	06
Number of Books in the Library	30000	40000
Number of Journals / Periodicals	09	19
Number of Students	2598	4196
Percentage of Girls students admitted	37.0	44.0
Percentage of Dropouts	25.9	9.8
Number of Permanent Teachers	74	54
Percentage of Teachers with PhD	40.0	46.0
Resource Persons	05	16
Number of Teachers acting as PhD Supervisors	Nil	02
Number of Permanent Non-Teaching staff	48	33
Research Fund released by the college(Rs.)	Nil	13744.00
Number of CCTV	Nil	08
Intercom Connection	21	43

SECTION-B



1. Profile of the Affiliated/ Constituent College



1. Name and Address of the College:

Name :	Vivekananda College	
Address :	269 Diamond Harbour Road, Thakurpukur	
City :Kolkata	Pin :700063	State :West Bengal
Website :	www.vckolkata63.org	

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Email
Principal	Dr. Tapan Kumar Poddar	O:033-2497 6834 R:033-2359 3356	09903025356	poddartapan@yahoo
Steering Committee/IQAC Co-	Dr. Siddhartha Guha Ray	O:033-2497 6834 R:033-2397 0490	09239006372	sidhu.gray@gmail.com

3. Status of the Institution:

Affiliated College	:	<input checked="" type="checkbox"/>
Constituent College	:	<input type="checkbox"/>
Any other (specify)	:	<input type="checkbox"/>

4. Type of Institution:

a. By Gender		
i. Both	:	<input checked="" type="checkbox"/>
b. By Shift		
i. Regular	:	<input type="checkbox"/>
ii. Day	:	<input checked="" type="checkbox"/>
iii. Morning	:	<input checked="" type="checkbox"/>

5. It is a recognized minority institution? : NO

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

6. Sources of funding: : Grant-in-aid

7. a. Date of establishment of the college : 21/08/1950.

b. University to which the college is affiliated/or which governs the college (If it is a constituent college)

University of Calcutta

c. Details of UGC recognition :

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	1956	As the college is established on 21st August 1950 so the College is automatically included under this Section of UGC Act since 1956.
ii. 12 (B)	1972	As the college is established on 21st August 1950 so the College is automatically included under this Section of UGC Act since 1972.

See Annexure-I

d. Details of recognition/approval by statutory/regulatory bodies

other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.) : N.A.

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.

9. Is the college recognized

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

Yes No

b. for its performance by any other governmental agency?

Yes No

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

Location	Semi Urban
Campus area	25000 square meter(approx.)
Built up area	3500 square meter(approx.)

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: 02.
- Sports facilities
 - *Play ground : 01.
 - *Swimming pool : The college owns a very large size pond.
 - *Gymnasium : 01.
- Hostel : Nil
- Residential facilities for teaching and non-teaching staff (give numbers available – cadre wise) : 07(Non-teaching staff).
- Cafeteria : 01.
- Health centre : No
- Facilities like banking, post office, book shops:

01 - Nationalized Bank; 01 - Book shop cum cheap store.

- Transport facilities to cater to the needs of students and staff: NA
- Animal house : NA
- Biological waste disposal : NA
- Generator or other facility for management/regulation of electricity and voltage : 02.
- Solid waste management facility : NA
- Waste water management : NA
- Water harvesting : YES

12. Details of programmes offered by the college (Give data for current academic year)

SI. No	Programme Level	Name of the Programme/ Course	Duration (years)	Entry Qualification	Medium of instruction	Sanctioned / approved Student strength	No. of students admitted
1.	Under-Graduate	Bachelor of Arts. Bachelor of Science. Bachelor of Commerce.	03	10+2	Bengali/ English	1920	2189
2.	Post-Graduate	Master of Arts(Bengali)	02	B.A.(Hons.) in Bengali	Bengali	50	*
		Master of Arts(History)	02	B.A.(Hons.) in History	English	50	*
3.	Certificate courses	Basic Course on Photography.	1/2	10+2	Bengali/ English	--	19
4.	Any Other (PG distance mode education)	Master of Arts Master of Science Master of Commerce	02	Graduate	Bengali/ English	--	M.A.: M.Sc.: M.Com.:

* Commencing from the session 2016 - 2017.

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? :** No.**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	Physics, Chemistry, Mathematics, Computer Science, Statistics, Electronics, Economics, Zoology, Botany, Environmental Science, Biochemistry, Geography, Film Studies.	✓		
Arts	Bengali, English, Sanskrit, History, Philosophy, Political Science, Journalism & Mass Communication, Human Rights, Women Studies.	✓		
Commerce	Finance & Accounting	✓		

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)a. Annual system : b. Semester system : **17. Number of Programmes with :** N.A.**18. Does the college offer UG and/or PG programmes in Teacher Education?**Yes No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

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

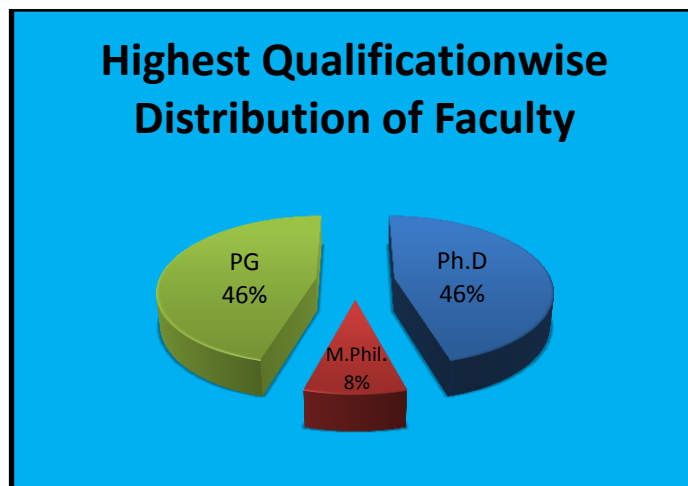
Positions	Teaching faculty						Whole-Time Teacher (Contractual)		Part-Time Teacher		Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F	*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F								
Sanctioned by the State Government	--	--	10	10	20	10	01	04	05	04	24	07	02	01
Yet to recruit					34		01		05		16		N.A.	
Sanctioned by the Governing Body <i>Recruited</i>	--	--	--	--	--	--	05	10	02	01	30	05	02	00

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Permanent teachers						Whole-Time Teacher (Contractual)		Part-Time Teacher		Total
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F	
	M	F	M	F	M	F					
D.Sc./D.Litt.	--	--	--	---	---	--	---	---	---	---	--
Ph.D.			08	07	15	04	0	03	0	0	37
M.Phil.			01	01	0	04	0	0	0	01	07
PG			01	02	04	02	07	11	06	04	37

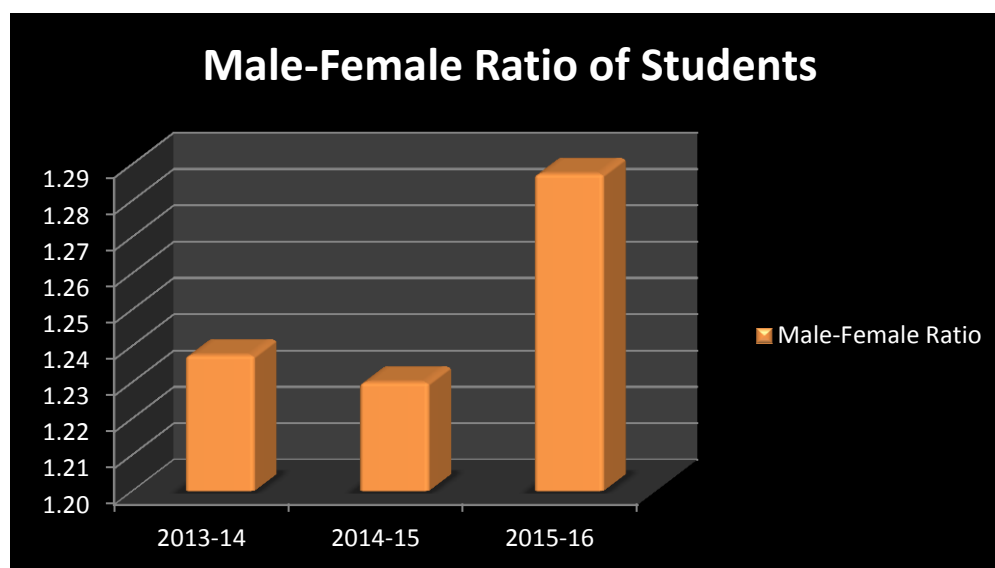
*M-Male *F-Female

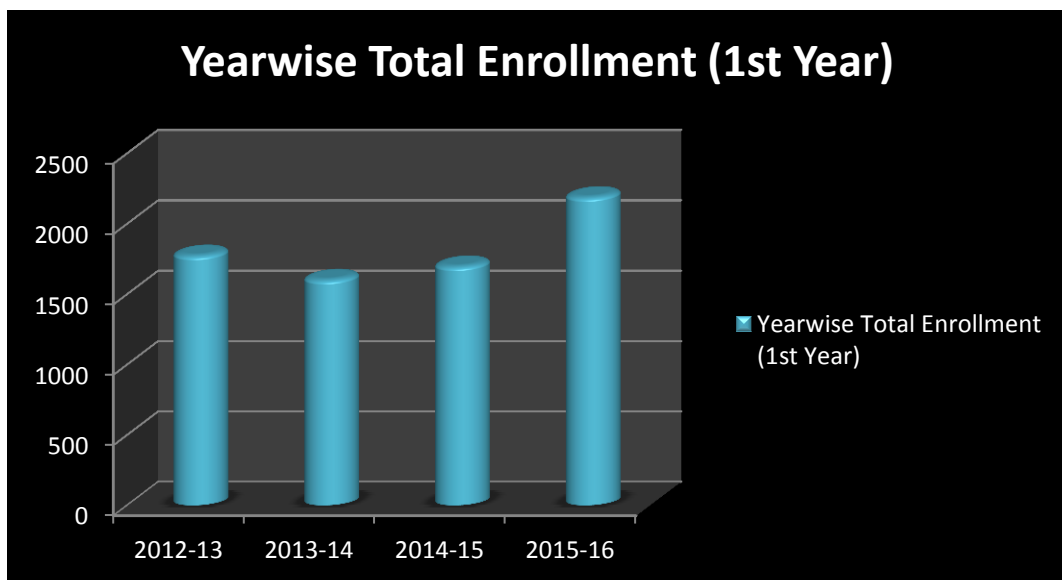
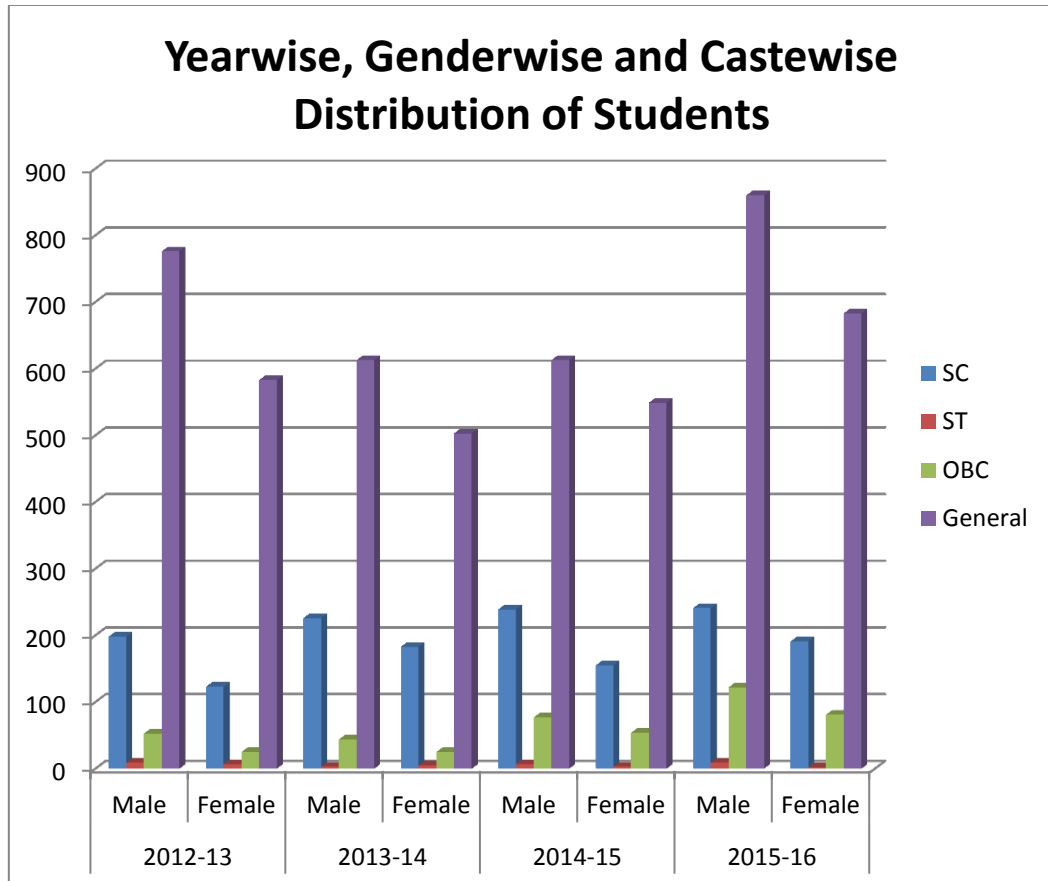


22. Number of Visiting Faculty /Guest Faculty engaged with the College. 09

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

Categories	2012-13		2013-14		2014-15		2015-16	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	198	123	226	183	239	155	241	191
ST	9	7	3	5	7	3	9	2
OBC	53	25	44	25	77	54	122	81
General	776	583	613	503	613	549	860	683





24. Details on students enrollment in the college during the current academic year:

Type of students	UG
Students from the same state where the college is located	99%
Students from other states of India	01%
Total	100%

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

UG

26. Unit Cost of Education

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

(a) Including the salary component :

(b) Excluding the salary component :

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

Yes No

If yes,

a) Is it a registered center for offering distance education programmes of another University

Yes No

b) Name of the University which has granted such registration:

c) Number of programmes offered:

d) Programmes carry the recognition of the Distance Education Council.

Yes No

28. Provide Teacher-student ratio for each of the programme/course offered:

Name of the Programme/Course	Student Teacher Ratio
Bengali(H)	1:20
English(H)	1:40
Sanskrit(H)	1:40
History(H)	1:30
Philosophy(H)	1:30
Political Science(H)	1:40
Journalism & Mass Communication(H)	1:25
Human Rights(G)	1:80
Women Studies(G)	1:35
Botany(H)	1:15
Biochemistry(H)	1:20
Chemistry(H)	1:27
Computer Science(H)	1:20
Electronics(H)	1:6
Economics(H)	1:17
Environmental Science(H)	1:15
Film Studies(G)	1:50
Geography(H)	1:20
Mathematics(H)	1:50
Physics(H)	1:23
Statistics(H)	1:15
Zoology(H)	1:18
Finance & Accounting(H)	1:150

29. Is the college applying for

Accreditation : Cycle 1 Cycle 2 Cycle 3 Cycle 4

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

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

Cycle 1: 03/05/2004 Accreditation Outcome/Result: B++/80.10

See Annexure-II

31. Number of working days during the last academic year.:

32. Number of teaching days during the last academic year:

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

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

9/12/2009.

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (2010 - 11) : 15/06/2015

AQAR (2011 - 12) : 15/06/2015

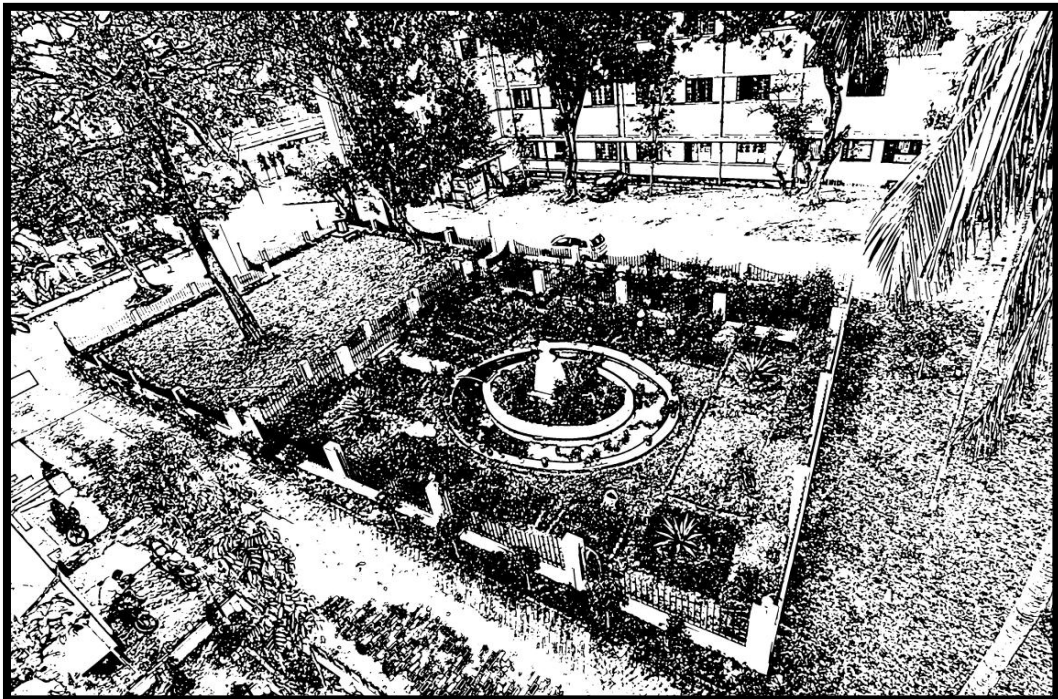
AQAR (2012 - 13) : 15/06/2015

AQAR (2013 - 14) : 15/06/2015

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information):

No.

2.Criteria-wise Inputs



CRITERION I CURRICULAR ASPECTS



Nano-technology Seminar at Lincon Hall, American centre

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.

- As the institution is named after the revolutionary Indian monk Swami Vivekananda, it holds his principles and ideas very high and accordingly believes "Education is the manifestation of perfection already in man". The Institution is committed to promote education for the students coming from several walks of life. The aim of the college is not only to impart formal education according to University Curriculum, but also to help them grow as good citizens. Finally the college is whole-heartedly committed to promote secular and progressive values. The college has the vision of raising the institution to a very high standard, so that it becomes one of the premier institutions of the country.

- The avowed mission of the College is 'Education for Empowerment' and this mission inspires us to envisage the following goals and objectives like advancement of learning for personality and career development, cultivating qualities requisite for good and responsible citizenship, instilling a strong sense of commitment to human values & social justice and involvement in community life along with acquisition of academic knowledge and personal values.
- In the beginning of every session, the college publishes a elaborate prospectus, comprising vision, mission and achievements of the institution. The prospectus is distributed to the students, teachers and the members of the non-teaching staff. This is how the communication begins.
- In the meetings of the Teachers' Council also every important aspect of the institution is discussed in detail. The resolutions of the meetings highlight the future course of action as far as teaching and learning are concerned.
- The routine of the entire college is displayed in the college website.
- In the Teachers' Day (5th September) of every year, the Principal pays a visit to all the departments and explains the vision and mission of the institution.

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).

In the beginning of the academic sessions, the college publishes a routine, which indicates allotment of classes of each department. Primarily, the central routine is walled up in the college corridor and the same routine is displayed in the college web-site. Then the Convener, Academic Sub-Committee supplies the departmental routines to the departmental heads. Subsequently, the departmental heads allots the classes to his/her departmental colleagues. The routine is prepared in

such a manner so that it enables a teacher to complete the curriculum within a specific period of time.

If any discrepancy in the routine arises due to classrooms or subject combinations, then those are resolved by the Convener of Academic Sub-Committee in consultation with the Principal and the IQAC coordinator.

Teachers of several departments sometimes take extra classes, in addition their regular classes, for completion of syllabus in time.

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?

The Calcutta University provides a syllabus of undergraduate courses, which is also available in the Sales Counter of the University. It is also displayed in the web site of the University. The syllabus of every subject has been drawn out in modular form and number of lectures for every topic is clearly assigned. The University also publishes an Academic Calendar containing the probable dates of the Mid Term and Annual Test Examinations of each year.

The college authority convenes a meeting of the Academic Sub - Committee and IQAC in the beginning of each session. In that meeting, the Heads of the Departments place their suggestions regarding effective translation of the curriculum. The college authority accordingly takes necessary measures for improving the teaching practices.

The college has a well-equipped library. In spite of this, the college authority purchases books to meet the necessity of the students in context of changed syllabus. The college also provides the laboratory based subjects with necessary apparatus and instruments.

The college employs a number of teachers and non-teaching staff, who are paid from the college fund for effective implementation of teaching practices.

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 compelling spirit of the academia of the college is to create student centered model of teaching and learning and to encourage interactive teaching and active learning. The institution gives utmost priority to the facilities of the students. Apart from classroom teaching, other programmes like seminars and workshops are held for the benefit of the students.
- The teachers are encouraged to develop interactive teaching methodology so that students also can participate in the discussions.
- Teachers of several departments are encouraged to take part in seminars organized by other academic institutions.
- Teachers also attend orientation and refresher courses and thus the teachers after completion of such courses try to motivate the students for better results.
- The college has two smart classrooms equipped with LCD projector and computer to enhance the use of ICT in teaching methodology.

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?

The college encourages the teachers of all departments to interact with external agencies for the effective operationalization of the curriculum

- Excursion and field survey are the essential part of the curriculum of the departments like Zoology, Environmental Science, Botany, Geography and Journalism & Mass Communication. All the departments arrange such excursions and field survey with active support from the college.
- Many Arts departments also conduct study tours in

- important places relevant to their respective subjects.
- The department of Zoology pays regular visit to West Bengal State Poultry Farm, Tollygunge.
 - The department of Economics paid visit to Tibetan Handicrafts Industry, Peling, Sikkim in 2011.
 - The department of Environmental Science visited Dankuni Coal Complex in 2012.
 - The department of Physics visits every year the Variable Energy Cyclotron Center (VECC), a DAE Laboratory, Government of India to observe National Science Day.
 - The Department of Physics also visited the Science City to attend a symposium on Indian Neutrino Observatory organized by the University of Calcutta. Eminent scientists from different parts of India spoke on the occasion, which immensely benefitted the students.

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.

Teachers of different departments attend the seminars/symposia/workshop organized by the Calcutta University with the intention designing the syllabus. They freely express their important opinions to reckon with.

Prof. Sumita Chakraborty, Department of Political Science, is a member of the Board of Studies, Calcutta University. She played a significant role in time of introducing the new syllabus.

Dr. Siddhartha Guha Ray, Department of History was made an invitee member of the Board of Studies, Calcutta University. He was entrusted with the responsibility of preparing the model questions of the Department of History, Calcutta University. He is also a member of the Academic Body, Ramkrishna Mission Vidyamandira, Belur. He is a moderator of question papers and evaluator of answer scripts of this autonomous institute.

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. :No

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

The college follows a comprehensive system of evaluating the students. In the beginning of each academic session, a meeting of the Teachers' Council is held. Among many other academic issues, the system of evaluation is elaborately discussed. On the basis of the recommendation of the Teachers' Council, the IQAC and the Academic Sub Committee adopt a clear cut evaluation process.

Accordingly, the heads of the Departments convey the message to the students.

The college conducts Mid - Term test and Annual Test Examinations in each year. To add to it, several departments take class tests for periodic assessment of the 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.

The college offered certificate courses on Ornamental Fish Culture and Photojournalism & Videography, under UGC sponsorship. Presently, the institution runs a similar course on Microfinance Management.

The goals and objectives of running such courses are to enrich the students with capability in a competitive job market.

The college offers a 6 month certificate course on Basic Photography under the supervision of Photography Cell.

The college has also organized a week long workshop on Stress Management and Soft Skill Development in

collaboration with the Centre for Counseling Services and Studies in Self Development, Jadavpur University. Even the teachers of other colleges along with the teachers of this institution attended the workshop.

The objective of the workshop was to enable the teachers with the skill of stress management and to develop their soft skills.

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

No. However, there is a Computer Training Centre run by the Institute of Computer Engineers, which offers computer training to the students. The Center offers courses like DOEACC CCC, O' level, A level, DTP, F.A. The certificate issued by the center is recognized by the Director of Employment, Government of West Bengal.

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 three year B. A. Honours courses in 7 Subjects viz. English, Bengali, History, Political Science, Sanskrit, Philosophy, Journalism & Mass Communication. Three- year B. A. General courses are taught in the subjects like English, Bengali, History, Political Science, Sanskrit, Philosophy, Journalism & Mass Communication, Human Rights and Women Studies.

The college offers three year B. Com. Honours course in Accounting and Finance and at the same time three year B. Com. General course.

The college also offers three year B.Sc. Honours courses in 12 varied subjects viz. Physics, Chemistry, Mathematics, Zoology, Botany, Environmental Science, Computer Science, Economics, Electronics, Biochemistry, Statistics

and Geography. Three year B.Sc. General courses are offered in Physics, Chemistry, Mathematics, Zoology, Botany, Environmental Science, Computer Science, Economics, Electronics, Geography, Statistics, Biochemistry and Film Studies.

All the above courses enjoy permanent affiliation of the University of Calcutta.

- **Choice Based Credit System and range of subject options:** NA

- **Courses offered in modular form:** The curriculum of all the subjects is published in modular form by the University of Calcutta.

- **Credit transfer and accumulation facility:** NA

- **Lateral and vertical mobility within and across**

programmes and courses: Subjects like English, Bengali and Sanskrit are clubbed as language group. Subjects like History, Political Science and Human Rights are also inter-related. Literature has also close links with History and Philosophy. Teacher of one department speaks in the class of other related subjects. Such lectures enrich the students leading to lateral mobility of the curriculum. It is worth mentioning that the students of History and Political Science may opt for post graduate studies in South East Asia and Human Rights. Students of Literature may opt for post-graduation in Women Studies. This leads to a vertical mobility of the curriculum.

Subjects like Zoology, Botany and Environmental Science are closely related. Similar feature is applicable to Physics, Electronics and Computer Science as well as Chemistry and Biochemistry. The college encourages interdisciplinary lectures to increase the lateral mobility of the curriculum.

- **Enrichment courses:** From time to time, the college offers enrichment courses for the stakeholders and the faculties. For example students of different departments are taken to American Center for enriching them with the frontiers of application of nanoscience and nanotechnology to the society. The college also organized a workshop on Stress Management and Soft Skill Development in collaboration

with Jadavpur University for enriching the faculty members. The Department of Environmental Science maintains an additional training programme for preparations of interviews, CV writing and also as a career building pursuit.

The college itself does not offer any enrichment course for preparation of students for competitive examinations. But the institution encourages some external bodies like iLeap, CMC Limited, ICSI, Institute of Cost and Management Accounts of India, ICICI Direct and EIILM, which train our students for enhancing their employment opportunity.

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

The college offers a 6 - month Certificate Course on Basic Photography on self-finance mode. The admission is based on first come first serve basis to fill up the requisite number of seats. The curriculum has been designed by the Photography Cell of the college. The Course Fee for the above programme is Rs. 2000/- .The external resource persons get remuneration at the rate of Rs. 500/- per class.

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

The college offered skill oriented programmes on Ornamental Fish Culture and Photojournalism & Videography, under UGC sponsorship. Presently, the institution runs a similar course on Microfinance Management.

The goals and objectives of running such courses are to enrich the students with capability in a competitive employment market.

Presently, the college also offers a 6 month certificate course on Basic Photography under the supervision of Photography Cell. Such programmes help our students to face the competitive job market.

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 provision for the benefit of students?

N.A.

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 programmes and Institution's goals and objectives are integrated?

In time of introducing new curriculum in any subject, the University of Calcutta organizes workshops for having an idea about the forthcoming syllabi. Teachers of this college attend those workshops regularly and place their important suggestions. These suggestions are incorporated/ accommodated by the respective Boards of Studies.

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?: N.A.

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., into the curriculum?

The college tries to adhere to the lofty ideas and principles. Remaining true to it, the college has taken initiatives to introduce some courses conducive to social justice and nation building.

- With a view to remove gender discrimination and uphold the issue of female rights, the college introduced Women Studies as a General subject.
- For making the students aware of the environmental issues, the college introduced Honours course in Environmental Sciences. Our college is the premier institution to have taken initiative in introducing such a course.

- Remaining true to the principles of social justice and human rights, the college introduced Human Rights as a General subject.
- With the idea of emphasizing on ICT, the college runs Honours courses in Computer Sciences and Electronic Sciences.

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

§ **Moral and ethical values:** The College offers Human Rights and Women Studies for giving priority to moral and ethical values.

§ **Employable and life skills:** The College has a job placement cell. The cell collaborates with different industrial houses, who give special training to the willing students for enhancing their employment opportunities. For example, TCS and CTS organized computer training programmes for making the students acquainted with computer applications. Many of the trainees were employed by the above companies.

§ **Better career options:** The institution encourages some external bodies like iLeap, CMC Limited, ICSI, Institute of Cost and Management Accounts of India, ICICI Direct and EIILM, which train our students for enhancing their career options.

§ **Community orientation:** The college gives priority to community development programmes. The college is involved in a healthy practice of distributing saplings to the local clubs and school textbooks to the students of the locality, coming from economically backward sections. The students of the college visits a nearby village, Kalyan Nagar for giving social services to the local community.

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

The Curriculum is fixed by the University and there is no scope of feedback from the stake holders.

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

The head of the institution along with the IQAC coordinator and Academic Committee convener encourages the students during community work by accompanying with them.

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?**

Two of our senior teacher members played a significant role in the design and development of the present University Curriculum. Prof. Sumita Chakraborty, Department of Political Science, is a member of the Board of Studies, Calcutta University.

Dr. Siddhartha Guha Ray, Department of History was made an invitee member of the Board of Studies, Calcutta University. He was entrusted with the responsibility of preparing the model questions of the Department of History, Calcutta University.

The teachers regularly participate in the workshops relating to development of curriculum and preparation of the syllabus, organized by the University of Calcutta. The suggestions of the teachers are accepted on many occasions by the Boards of Studies of different subjects.

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? :No

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?)

Year of Introduction of the Courses	Subject	Category
2010-11	Human Rights	General
2010-11	Women Studies	General
2013-14	Film Studies	General
2014-15	Statistics	Honours
2014-15	Geography	General
2015-16	Electronics	Honours
2015-16	Geography	Honours

Human Rights and Women Studies were introduced with a view to inspire the students with the ideals of equality and social justice.

Being satisfied with the achievements of the Statistics Department as a General subject, the college authorities wanted to upgrade it as an Honours subject.

Accordingly, permission of the affiliating university was sought and eventually the college received the same.

There was a growing demand in the locality for introducing Geography, as a subject, in the college. To satisfy the expectations of the stakeholders, the college introduced both General and Honours courses in Geography.

The subject Film studies is closely related to Journalism & Mass Communication. With a view to benefit the students of Journalism, the Film Studies was introduced as a General Subject.

College considered that Electronics is a very demanding subject, as far as the job market is concerned. Hence, the college upgraded Electronics from General to Honours course, although the General course is also running.

CRITERION II

TEACHING - LEARNING AND EVALUATION



Laura Ungar, Journalist (USA) in discussion with our Principal

2.1 Student Enrollment and Profile

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

The college publishes a detailed merit list in its website and notices are served on the website itself for the 1st and subsequent merit lists. This entire process is absolutely paperless. The college has involved itself in an ecofriendly practice by avoiding huge paper works during the admission process in the current year i.e. 2015 -2016. Transparency is the key word in the process of admission in the college. It is the earnest endeavour of the college authority to take meritorious students and essentially deserving candidates. Students of different departments are admitted to the institution in accordance with the marks they obtained in the school leaving examination.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

In the admission process of the honours students, the college follows a unique practice. Marks obtained in the top four subjects in the school leaving examination are added to the subject mark in which the candidate desires to study the honours course. This added figure is called the norm total, which is the basis of the merit list. The seats are filled in accordance with the number of seats sanctioned by the affiliating university in different subjects. The admission of the students in the general course is made on the basis of the marks obtained in the top four subjects in the school leaving examination. However the institution does not arrange any entrance test or interview for admitting the students.

2.1.3 Give the minimum and maximum 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.

The selection criteria of different colleges within the city/district differ from each other. Different colleges of the city/district adopt different methods for admission. Hence, there is little scope for attaining uniformity in selection criteria. However, the college is presenting subject wise minimum and maximum percentage of index marks for admission to UG level for the year 2015-16.

Name of the Programme/Course	Maximum % of Marks (Admitted)	Minimum % of Marks (Admitted)
Bengali(H)	85.25	62.25
English(H)	94.75	68.25
Sanskrit(H)	88.75	54.00
History(H)	90.75	57.25
Philosophy(H)	87.50	55.00
Political Science(H)	88.00	53.25

Journalism & Mass Communication(H)	91.00	55.00
Botany(H)	84.50	52.50
Biochemistry(H)	92.00	59.50
Chemistry(H)	96.50	64.75
Computer Science(H)	83.75	63.00
Electronics(H)	68.25	61.75
Economics(H)	92.00	62.75
Environmental Science(H)	83.25	62.50
Geography(H)	92.50	51.75
Mathematics(H)	94.25	61.50
Physics(H)	98.00	72.50
Statistics(H)	84.25	58.00
Zoology(H)	94.50	63.75
Finance & Accounting(H)	93.75	60.00

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?

Yes, immediately after the publication of the results of different School leaving examinations like HS, ISC, CBSE (XII), the Principal convenes a meeting of the admission committee. The IQAC and the Admission committee make some recommendations regarding the modalities of admission. Finally such recommendations are approved by the Teachers' Council. The members of the admission committee and the IQAC in time of ascertaining the modalities make a review of the admission process of the previous years. On the basis of experience of earlier years, the modalities for the current year are recommended. Furthermore continuous assessment of the students by the teachers of different departments gives a clear idea of quality of the admitted students.

- In 2015 - 2016 academic year, the college was involved in a paperless admission process. The merit lists of the applicants were shown in the college website.
- All the notices of the Principal were also hoisted in the website for communication with the new entrants.
- Second merit list of some subjects, where some seats remained vacant was also published in the website.

- The online admission system practiced by the college prove not only eco – friendly, but also avoided hazards and harassments of the new entrants and their parents.
- The admission was smooth and transparent, which earned appreciation from several corners of the society.

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

The Institution believes in inclusive growth in all respects. Hence it is the priority of the institution to care for the interest of several categories of students.

SC/ ST

- According to Government rules there is a reservation of 22% for the SC candidates and 6% for ST candidates. The college strictly follows the Government rules in time of admission. Apart from the reserved seats a large number of SC and ST category students are admitted to the institution as they are admitted on the basis of their merit. As the college is located in a semi-urban area, a large number of students come from socially and economically backward section. Students coming from backward sections of the society prefer this college for their higher education as the institution always looks after their interests.

OBC

- According to Government rules the OBC category of the students enjoy a reservation, excepting candidates coming from creamy layer. There is a reservation of 10% of the OBC-A students and 7% for OBC-B students. The college strictly follows the rules for the admission of the students OBC category. Here also a large number of students belonging to the OBC category get themselves admitted on the basis of their merit.

Women

- There is a Women's Cell in the college. The Women's Cell organized several programmes and seminars with a view to enhance awareness of the female students. The college believes in education for empowerment. Female empowerment gets top priority. With a view to upholding female dignity and social justice, the college introduced Women Studies as a general subject. A few years back, the Government of West Bengal introduced a scheme, known as Kanyasree Prakalpa. Under the scheme the Government sanctions financial assistance to the under privileged girl students. The college efficiently handled the scheme and stood second for two consecutive years. Among the coeducation colleges in this state, this institution appears to be most successful in giving benefit to the female students.

Differently Abled

- The college is immensely concerned for the differently abled students. There is a horizontal reservation of 3% in all categories for differently abled students. The college has constructed ramps in front of all the buildings to help the physically challenged persons.

The college has developed a relationship with an NGO named SWABALAMBI (an income generation group of persons with disabilities supported by SANCHAR, a society for appropriate rehabilitation of the disabled) and provided the organization the opportunity to exhibit their products at the college premises every year.

Economically Weaker Sections

- The college maintains a Poor Students' Aid Fund, On the basis of recommendations of the Principal and the Convener of the Fund a large number the poor students get financial assistance from the college. The needy students are to produce an income certificate issued by People's Representatives. Apart from this, there is system of full free ship for the students coming

from BPL category, which is looked after by the Principal.

Minority Community

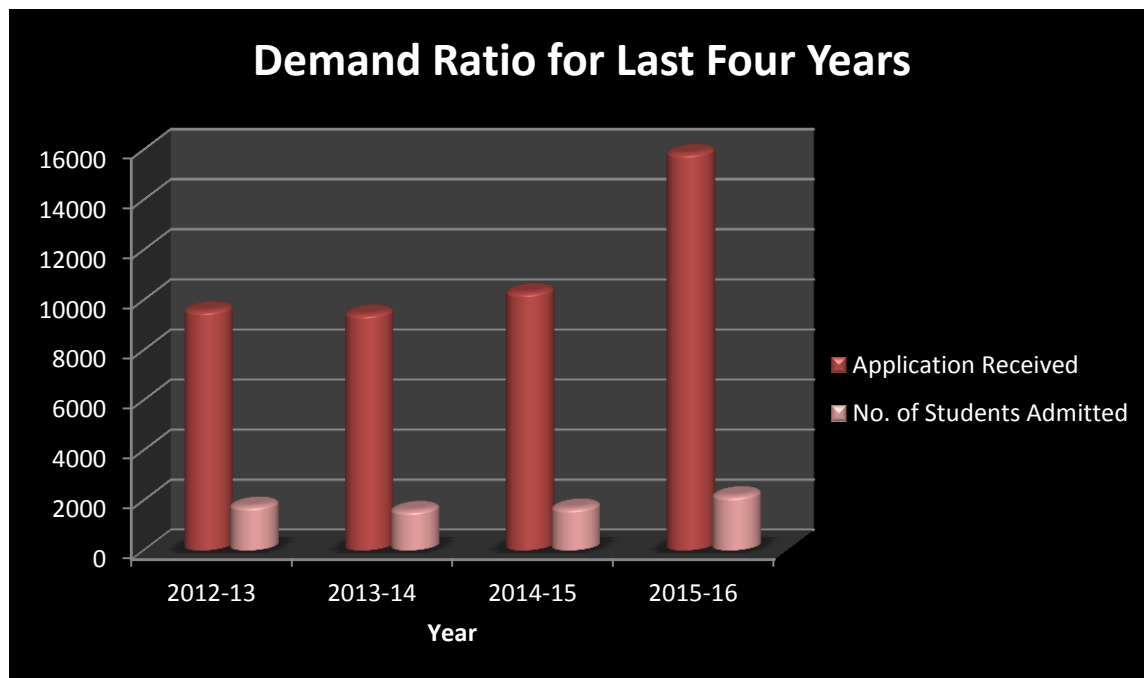
- Recently the Government of West Bengal has introduced a scholarship for the students belonging to Minority Community. The college takes every necessary step to help the students of Minority Community, so that they can avail themselves of the opportunity of the scholarship.

The college has opened all avenues for the students of different categories to take advantage of all the governmental beneficiary schemes. Besides these, the college itself takes necessary measures for assisting the socially and economically backward students.

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. reasons for increase / decrease and actions initiated for improvement.

Programme (UG)	Application Received	No. of Students Admitted	Demand Ratio
2015-16	15863	2189	7.2
2014-15	10307	1697	6.1
2013-14	9443	1602	5.9
2012-13	9579	1774	5.4

As per Nielson-India Today Survey the college secured first place among all the eastern regional educational institutions in two consecutive years i.e. 2012-13 & 2013-14. It was branded as the Best Educational Hub of the eastern region. At the All India Level the College was among best thirty colleges. The congenial academic environment is reflected in increasing demand ratio.



2.2 Catering to Student Diversity

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

In compliance with the Government rule, the college maintains a quota of seats for differently abled students. The teachers of all departments take special care to cater to the specific requirements of such students. Last year i. e. in 2014, the college has constructed ramps at the entry point of all the buildings. The college has a plan to install a lift in the academic buildings. Furthermore, college makes necessary arrangements for appointing writers and for obtaining requisite permission from the university to help the visually challenged students.

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.

Yes, at the time of commencement of the 1st year classes, the Principal meets the new entrants of all the streams separately. The Principal along with the IQAC coordinator

communicates to the students about the academic environment of the college. They also insist upon the students to be attentive to their studies. It is the priority of the institution to ensure regular attendance of the students.

- The teachers of all departments apprise the students about the ambience of the college and an interaction follows between the teacher and the students for maintaining the high academic standard of the institution.
- The Convenor, Academic Sub Committee along with the IQAC Coordinator maintains a record of percentage of attendance, which are walled up in the departmental notice boards.
- Immediately after the commencement of the academic programme i. e. on 5th September, all the departments observe the Teachers' Day. The Principal makes full use of the opportunity and he apprises of the several amenities for the students provided by the institution.

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 programme of their choice?

The college is situated in the southern fringes of Calcutta metropolis and beyond that a vast area of rural Bengal lies. Most of the students come from economically and socially backward sections. It is the motto of the college to elevate the standard of laggards.

- The departments take an initiative to locate the slow learners.
- The teachers undertake an extensive programme for helping the weaker students.
- The teachers explain the depth of the subject in lucid and simple language and thus help the students to have a comprehensive view of the subject.
- The teachers of the lab based subjects help the students to get acquainted with the lab instruments and apprise them about the utility of these lab

apparatus/ materials for pursuing the course.

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

The teachers of the college consider it their foremost duty to make the students aware of the issues related to gender, inclusive educational programme and environment.

- The college has a Grievance Redressal Cell, which take care of various types of grievances of the stakeholders.
- The college also has a Woman's Cell, which take care of the female students and staff. The cell also organized periodic seminars for enhancing awareness of the girl students relating to gender discrimination. The Women's Cell of the college in collaboration with the Cipla Ltd. organised an 'Awareness programme for Female Students'. Noted Gynecologist, Dr. Chandra Mukherjee gave an instructive speech. This was done with the intention of dealing with health hazards of the female students and staff.
- The college also has an Internal Complaint Mechanism Cell for female students and staff as well. This cell has been formed under the VISAKHA guidelines prescribed by the Hon'ble Supreme Court.
- The department of Women's Studies celebrated International Women's Day by displaying colourful posters. These posters are prepared by the students of the department.
- The college believes in the principle of inclusive growth. The college provides a mechanism for helping the poor students. The college has a Student Aid Fund, which is used for financial help to poor and meritorious students. The college authority has introduced a system of freeship for students, who belong to the status of BPL (Below Poverty Line).
- It is the priority of the institution to maintain a ecofriendly campus. In fact the college has a huge campus full of innumerable trees and plants.

- The pond within the college premises is properly maintained throughout the year to make the campus eco - friendly. The college has also a plan to improve the condition of the banks of the same pond.
- The Environmental Science department of the college takes several initiatives for maintaining a congenial environment. Every year, the department observes the Earth Day on 22nd April and the motto is to increase environmental awareness of the stakeholders.

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

The college views the method of imparting education in totality. The institution has a genuine concern for educationally backward students, but at the same time it does not ignore the needs and requirements of advanced learners. The institution in compliance with the suggestions provided by the IQAC and the Academic Sub Committee endeavours to promote certain programmes that would be beneficial to both the advanced learners and the laggards.

- Individual departments are involved in counseling the students and the teachers take initiatives to stimulate interest in respective subjects.
- The college also gives much importance in organizing seminars and symposium for helping the students. Experts of different subjects are invited to deliver special lectures.
- The college organizes a seminar lecture competition of the students of different streams. The best speakers of every stream are awarded by the college.
- The college publishes a journal named *Bodhi* with a valid ISSN in three different streams viz. *Bodhi Bijnana* for science, *Bodhi Artham* for commerce and economics and *Bodhi Kala* for Humanities. The articles in them are contributed by eminent teachers, researchers and advanced students of the universities and colleges.

These articles are aimed to benefit the students of the respective streams.

- The college launched a unique programme by forming a Research Guidance Cell. Interested students were encouraged to submit small research projects to the authority. The authority also agreed to provide financial support to students for carrying out their projects. The IQAC and Academic Committee decided that the final report of the research project would be published in the college journal Bodhi.

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 teachers of different departments keep themselves in constant touch with parents of the students. Particularly, those who are laggards and who do not have the required attendance and marks in the final examination, their parents are called in by the Heads of the Department to discuss the problems of their wards.

- The students are to appear in midterm and annual tests. Apart from these, the departments arrange for class tests for analyzing the progress of the students
- Terminal tests at the end of each year of study are held to assure their eligibility for University Examination.
- To add to it the institution emphasizes on regular attendance of the students. Particularly the Honours students who do not have the required attendance are debarred from appearing at the University examination.

2.3 Teaching-Learning Process

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

From the beginning of the session the college follows an academic calendar, which comprises vacation, recess, teaching days, midterm and final test examination dates. The details of the academic calendar are attached with the AQAR of previous years.

- Teachers of different departments in time of commencement of the course supply an elaborate teaching plan. The syllabus is divided in a modular form. The teachers specify the time schedule for teaching particular modules.
- The college organizes midterm tests just after the puja vacation. At the end of the session final test examination are held to evaluate their performance. Students who do not fare well are debarred from appearing the university examination. Several departments also follow a regular evaluation mechanism by taking class tests. The answer scripts are shown to the students so that they may find out their shortcomings.

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

The IQAC along with the Academic Sub - Committee hold meetings with a view to improving the academic standards of the students. A thorough discussion takes place over the assessment of the students of several departments. The Academic Sub - Committee meticulously maintains a record of attendance and college test results.

- The IQAC encourages the departments to organise seminars for academic improvements and also for increasing social awareness among the students.
- The IQAC also takes active interest in activating the Research Guidance Cell of the college.

- The IQAC looks after infrastructural facilities of the stakeholders, particularly it takes care for improving the condition of the library and the laboratories.

2.3.3 How is learning 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 compelling spirit of the academia of the college is to create student centered model of teaching and learning and to encourage interactive teaching and active learning. The institution gives utmost priority to the facilities of the students. Apart from classroom teaching, other programmes like seminars and workshops are held for the benefit of the students.

- The teachers are encouraged to develop interactive teaching methodology so that students also can participate in the discussions.
- Teachers of several departments are encouraged to take part in seminars organized by other academic institutions.
- Teachers also attend orientation and refresher courses and thus the teachers after completion of such courses try to motivate the students for better results.
- In July 2015, the college in collaboration with the Jadavpur University organized a workshop on Stress Management & Soft Skill Development for teachers. Even teachers from other institutions participated in the programme. It was a grand success and the programme enabled the teachers to ease out stresses and strains of the students.
- The college has two smart classrooms equipped with LCD projector and computer to enhance the use of ICT in teaching methodology.

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?

A seminar lecture by the students is held every year. The programme is meant for improving critical thinking, creativity and scientific temper of the students. This innovation practiced during last few years has fetched rich dividends for the institution as the students not only became stage free, but also increased their eloquence skill. Many of them displayed remarkable success in broader platform of life.

- Students of many lab based departments like physics visited the DAE lab (VECC), American Center, Science City to enrich themselves with the frontiers of research in their respective fields.
- The library subscribes journals of various subjects, which enriches the students by widening the horizons of academic interest.
- The college encourages the students to go through the inhouse journal Bodhi, which contains many article related to critical thinking, scientific temper and creativity.
- The college has a Research Guidance Cell, which involve students to do projects under the active guidance of the teachers. These projects are funded by the college.
- The departments of Zoology and Botany have been organizing K. S. Rao Memorial Lecture for last 43 years(since 1972). Eminent scholars of Life Science are invited as key speakers.

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 compelling spirit of the academic faculty of the college is

to create a student centered model of teaching and learning and also to encourage interactive teaching and active learning. Chalk and talk method is a common practice of the institution. The teachers firmly believe that it is the acumen and skill of a teacher, which is most beneficiary and useful to the students. In addition several other methods are adopted.

- The Departments of **Zoology, Environmental Science, Botany and Journalism & Mass Communication** use overhead projector and LCD projector for power point presentations.
- The Departments of **Physics, Chemistry and Computer Science** use computers with internet facilities. The practice not only helps the students to get acquainted with programming skills, which is within their syllabi but also helps them to keep abreast with modern researches on science and technology.
- The Departments of **Economics and Statistics** use computers for Data Analysis.
- The Department of **Commerce** is involved in computer based teaching.
- The Departments of **History and English** use maps as a means of instruction.
- The Department of **History** is involved in a practice of taking the students in various historical places like Gaur and Pandua in Malda district, Murshidabad – The Medieval Capital of Bengal and also in Bishnupur of Bankura district.
- The Department of English organizes film shows on prescribed university texts, e.g. *A Midsummer Night's Dream*.

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

The college caters to the academic needs of students coming from several walks of life. Though the college is situated in a semi urban area, a large number of stake holders, particularly the students come from backward rural areas.

The guiding principle of the institution is to enrich the socially and economically backward students. The college is used to impart education through traditional method along with computer based advanced learning. Chalk and talk method coupled with computer based learning is the standard example of blended learning. The success of such methods adopted by the institution requires exposure of both students and teachers to an advanced level of knowledge and skills.

- Different departments organize seminars, workshops and extension lectures to acquaint the students with higher level of knowledge.
- Eminent teachers from different universities are invited to speak in the seminars.
- Students are taken to advanced laboratories to expose them to new fields of research.
- Students are encouraged to take part in seminar lecture competitions so that they can improve their speaking prowess. This also serves as a platform to give vent to their views.
- There is a system of interdepartmental collaboration for the benefit of the students. A teacher of a particular department delivers extension lectures in other departments.
- Teachers of different departments pay visit to different universities, both state and international, as resource persons.



Dr. Graham Nicholson, University of Sydney, delivering his lecture on Toxicology

- The library of our college subscribes various journals to meet the requirements of both students and teachers of all the streams.
- The students are encouraged by the teachers to think out of the box and their views are given priority while academic discussions.

Department	Eminent Scientist/Scholar	Institution
Botany	Dr. Amitabha Chaudhuri	Vice President, Product Development, MedGenome Inc., San Francisco
	Dr. Moshir Rahaman,	Principal Scientist, Nuziveedu Seeds Pvt. Ltd., Kolkata
	Prof. Abhay Prasad Das,	Dept. of Botany, North Bengal

		University
	Dr. KR Naskar,	Principal Scientist (Retd), Central Inland and Fisheries Research Institute (ICAR), Kolkata
	Dr. NC Barui,	Associate Professor (Retd.), Dept. of Botany, Surrendranath College, Kolkata
	Dr. Arijit Chakraborty,	Indian Forest Service, Rajasthan Cadre
	Dulal Paria, Dr. Sumita Jha	Professor, Dept. of Botany, Calcutta University
	Prof. Samir Bhattacharya,	Director, Indian Institute of Chemical Biology (CSIR), Kolkata
Zoology	Graham Nicolson	Professor, University of Sydney, Australia.
	Prof. Chandrasekhar Chakraborty	Former Vice Chancellor, West Bengal University of Animal & Fisheries Sciences.
	Prof. Madhav Gadgil,	Centre for Ecological Sciences, I.I.Sc., Bangalore
	Prof. Ashok Ranjan Thakur,	Former Vice Chancelleor, W.B. University of Technology

	Dr. Shantanu Dutta,	Principal Scientist, Astra-Zeneca, Bangalore
	Dr. R.L.Brahmachary,	Ex-Professor, Indian Statistical Institute
	Prof. Naresh Ch. Dutta, Prof. Pulak Lahiri,	Former Professor, Department of Zoology, University of Calcutta.
	Mr. Arijit Banerjee,	Director, Institute of Environmental studies and wetland management
	Dr. Dipak Mandal,	Vice Chancellor, Sidhu Kanu Birsha University, Purulia.
	Dr. Ashok Sanyal,	Chairman, West Bengal Biodiversity Board
	Dr. Pranabesh Sanyal,	Chief Conservator of Forest.
	Swami Suparnananda,	Secretary, The Ramkrishna Mission Institute of Culture, Kolkata
Chemistry	Dr. Banomali Pal	Associate Professor, School of Chemistry and Biochemistry, Thapar University, Patiala
Economics	Late Kalyan Sanyal, Prof. Sarmila Banerjee, Prof. Ishita Mukherjee, Prof Anjan Chakravarty	Department of Economics, University of Calcutta.
	Prof. Soumyen Sikder	Indian Institute of Management, Kolkata

	Prof. Ajitava Roy Chowdhury, Prof. Rajat Acharjya	Department of Economics Jadavpur University.
	Prof. Sankar Dutta	Dean, Livelihood School, Hyderabad.
	Sri Chandrasekhar Ghosh	CEO, Bandhan Microfinance.
History	Late Amalendu Dey	Former Professor, Jadavpur University.
	Prof. Sekhar Bandyopadhyay	Director, New Zealand - India Study Centre, Victoria University, New Zealand.
	Prof. Muntasir Mamun	Retired Professor, University of Dhaka, Bangladesh.
	Prof. Sabyasachi Basu Raychowdhury	Vice Chancellor, Rabindra Bharati University.
Physics	Prof. Jayanta Kumar Bhattacharjee	Indian Association for the Cultivation of Science, Kolkata.
	Prof. Kamalesh Bhowmik	Saha Institute of Nuclear Physics, Kolkata.
Bengali	Prof. Rabiranjana Chattopadhyay	Retired Professor, Burdwan University.
	Prof. Bimal Mukhopadhyay	Former Ramtanu Lahiri Professor, University of Calcutta.
	Prof. Saumitra Basu	Professor, Jadavpur University, Kolkata.

	Prof. Sanat Naskar	Professor, University of Calcutta.
	Prof. Suranjan Middeye	Professor, Rabindra Bharati University, Kolkata.
	Dr. Arjundev Sensharma	Associate Professor, Silchar University, Assam.
Philosophy	Prof. Gangadhar Kar, Prof. Piyali Palit, Prof. Shefali Moitra, Prof. Proyas Sarkar, Prof. Indrani Sanyal	Jadavpur University
	Prof. Raghunath Ghosh	Former Professor North Bengal University
	Prof. Dikshit Gupta, Prof. Prabal Kr. Sen	Professor, University of Calcutta
	Prof. Sadhan Chakraborty,	Vice Chancellor, Kazi Nazrul University
Sanskrit	Prof. Nandita Banerjee	Professor, Jadavpur University
	Prof. Sanghamitra Dasgupta, Prof. Didhiti Biswas	Professor, University of Calcutta.
Statistics	Prof. Uttam Bandyopadhyay	University of Calcutta
Electronics	Prof. Sanatan Chattopadhyay , Prof. Somnath Sarkar	University of Calcutta
Computer Science	Prof. Sankhayan Chowdhury	University of Calcutta

Geography	Deepanjan Majumder	Sr. Scientist, National Environmental Engineering Research Institute, Kolkata.
Environment al Science	Prof. R.N.Basu	Former Vice Chancellor, University of Calcutta
	Prof. A.D. Mukhopadhyay	Former Vice Chancellor, Vidyasagar University
	Prof. Arobindo Das	Former Vice Chancellor, University of Kalyani
	Prof. Siddhartha Dutta	Pro-Vice Chancellor, Jadavpur University
	Prof. S.C. Santra	Professor, University of Kalyani
	Prof. Sugata Hazra	Director, SOS Jadavpur University
	Dr. Bijan Saha	Former Director, GSI
	Dr. Pranjalendu Roy	Former Scientist In- Charge Natural History Museum, Bhubaneswar, Orissa

	Dr. A.K. Mondal	Professor, Bengal Sc. & Engg. University
	Dr. K.G. Bhattacharyya	Professor, Guwahati University, Assam
	Dr. Anurag Danda	Programme Corodinator, WWF (India)
	Dr. Sukalyan Chakraborty	Asst. Professor, BIT Mesra
	Dr. Tanushree Bhattacharyya	Asst. Professor, BIT Mesra
Political Science	Dr. Partha Pratim Sen,	Assistant Professor, Vidyanagar College.
English	Prof. Swapan Chakraborty	Former Director, National Library, Kolkata.
	Prof. Ketaki Kushari Dyson	Author and Former Professor, Oxford University.
	Prof. Amlan Dasgupta	Professor, Jadavpur University.
Commerce	Bhaskar Kumar Das	Assistant Manager EILM, Kolkata
	Avik Shankar Gupta	Assistant Manager National Stock Exchange of India Limited

	Bhusan Thakur	Centre Director Institute of Computer Accountants
	B. Pratik	Business Executive NSHM
Mathematics	Prof. Sanjay Sen, Prof. Mridul Kanti Sen, Prof. Dilip Kumar Bhattacharya, Prof. Manjusa Majumder	University of Calcutta
	Prof. Pradip Majumdar	School Of Vedic Studies, Rabindra Bharati University.
	Prof. Guru PrasadKar, Prof. S. M. Srivastava.	Indian Statistical Institute, Kolkata.
	Prof. Subenoy Chakraborty	Jadavpur University, Kolkata
	Prof. Satyabachi Sar	MBB College, Agartala.
	Gautam Banerjea	Registrar, St. Thomas College of Engineering & Technology, Kolkata.
	Journalism & Mass Communicat ion	Jayanta Ghosal
Rhitabrata Bhattacharya		Editor, Ekdin.
Rantideb Sengupta		Editor, Saptahik Bartaman (Weekly).

	Subodh Sarkar	Eminent Bengali Poet
	Abhijit Dasgupta	Former Station Director, Doordarshan Kendra, Kolkata.
	Samir Goswami	Former Chief PRO, Eastern Railways
	Subir Ghosh	PRO, Indian Oil
	Manas Pratim Das	All India Radio
	Laura Unger	Journalist, Washington, USA.
Film Studies	Partha Raha	Chairman, UG Board of Studies, University of Calcutta.
	Madhabi Mukhopadhyay	Noted Actress.
Human Rights	Justice S. P. Talukdar	Former Judge, Calcutta High Court
	Sujato Bhadra	Noted Human Right Activist
	Prof. Manik Chakraborty	Director, Academic Staff College, Burdwan University.
Biochemistry	Prof. Dhrubajyoti Chattopadhyay,	Former Pro-VC (Academic) Calcutta University and Professor, Dept. of Biochemistry, CU.

	Prof. Pranab Roy	Former Professor, Dept. of Biotechnology, Burdwan University
	Prof. Krishanu Chakraborty,	Centenary Professor, Dept. of Biochemistry, CU
	Prof. Santasree Mazumder, Professor,	Dept. of Biochemistry, Calcut ta University.
	Prof. Arun Guha,	Former Professor, Indian Association for Cultivation of Science, Kolkata
	Dr. Sankar Maiti,	Assistant Professor, Indian Institute of Science Education and Research (IISER), Kolkata.
	Dr. Shankho Subhro Das,	Cardiologist, Apollo Gleneagles Hospitals, Kolkata.

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

Since a considerable number of students of the college come from economically and socially backward sections of society, initially most of them are hesitant about articulating their problems, opinions and requirements. The teachers

truly fulfill their roles as mentors by encouraging them with proper academic, personal and psycho-social support.

- With a view to provide a congenial academic ambience, the teachers attribute immense importance to class room teaching.
- The students are encouraged to participate in cultural activities, sports & games, NSS, NCC, which has helped many a student to overcome his/her initial hesitation and ameliorate as a much more confident individual.
- The Career & Counseling and Mental Health Awareness Cell, financially supported by the UGC, addresses the problems of the students and gives them substantial advice regarding their future plans.
- The Women's Cell of the college keeps strong vigil on various problems faced by the female students. The college in collaboration with an NGO named SANHITA, which works for Women empowerment, organized a seminar on various problems of girl students.
- The Woman's Cell of the college and Behala Naba Prayas organised a programme under the title - 'Awareness & Prevention of the Birth of Challenged Children to the 'would be Parents' at the college premises.
- The Women's Cell of the college in collaboration with the Cipla Ltd. organised an 'Awareness programme for Female Students'. Noted Gynecologist, Dr. Chandra Mukherjee gave an instructive speech.
- SANCHAR, an NGO has developed a relation with the college for helping the physically and mentally challenged persons. From 3rd to 8th October 2015, SANCHAR observed a DAAN UTSAV (Joy of Giving Week) in the college premises. Students and teachers generously donated for the welfare of the children with disabilities.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four 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?

With the view to cope with the new methods of teaching, the college not only provides necessary infrastructure, but also upgrades it as and when necessary.

- Internet facilities were extended to the departments of Physics and Computer Science in 2010. This has immensely helped the students in developing their programming skills (FORTRAN/C/C++) prescribed in the University syllabus and also keeps them abreast of the recent developments in the field of science and technology.
- The departments of Zoology, Botany, Environmental Science and Journalism & Mass Communication have started using Overhead Projector and LCD Projectors for Power-point presentations to give the students graphic delineations of the objects of study.
- A few classrooms were converted to smart classrooms equipped with overhead LCD Projectors in order to facilitate innovative teaching.
- A spacious seminar hall, *Vivekananda Sabhagriha*, with all modern amenities, is used for organizing seminars, workshops, symposium etc. Eminent teachers from other institutions are invited to speak, which benefits not only the students, but also helps the teachers by opening new areas of interest in the respective fields.
- The departments of History and English use maps as a tool of instruction. It benefits the students by giving them a concrete sketch of the geographical locations of different countries.
- The department of English organized a film show on a prescribed university text *A Mid-Summer*

Night's Dream.

- The department of History is engaged in the practice of taking the students to visit places of historical importance like Gaur, Pandua, Murshidabad, Bishnupur etc.
- The Department of Physics observes National Science Day (28th February) every year by paying a visit to the DAE laboratory Variable Energy Cyclotron Center at Salt lake. They also visited the Science City to attend a symposium on Indian Neutrino Observatory. Eminent scientists from different parts of India spoke on the occasion, which immensely benefitted the students.

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

- The college has a spacious library with a very large reading room. The college library possesses about 40,000 books on different subjects.
- Apart from the central library, there are a number of departmental libraries run by the respective departments.
- The 1st year students are provided with library cards after their entrance into the college. By showing their library cards to the library employees, students are entitled to borrow books. The library keeps records of the lent books. The record keeping system of the library is fully computerized. After final enrollment every student receive library card for borrowing books from the central library which is fully computerized.
- For using the reading room also, the students are to produce their respective library cards. Students have been given facility to an Open Access Reading Room with Five thousand plus books.
- College has a well-designed web based portal through which students can search the availability of books in the library.

- In addition to that college is providing students' access to N-LIST where student can access the full text of 80000+ books and Journals free of cost. To facilitate and motivate the students for using the E-library facility library has an exclusive E-library browsing Center comprising 6 computers with high speed internet facility.

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 institution does not face any challenge in completing the curriculum within the planned time frame and scheduled calendar. But in some years, particularly, the year in which general elections are held, the college remains closed for a considerable length of time for accommodating police personnel and election officials. In such years, the teachers try to resolve the crisis by taking extra classes. The college authority encourages the teachers for taking remedial classes after the annual test examinations.

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

- Several departments take periodical class tests for a regular assessment of the progress of the students.
- Furthermore, mid- term tests and annual test examinations are held centrally.
- The institution pays much importance to the regular attendance of the students in their respective classes. Students who fail to attain requisite percentage of attendance are debarred from appearing in the University examinations.
- The departmental teachers also call the guardians of the absentees for discussing the problems of the concerned students.

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

Highest qualification	Permanent teachers						Whole-Time Teacher (Contractual)		Part-Time Teacher		Total
	Professor		Associate Professor		Assistant Professor		M	F	M	F	
	M	F	M	F	M	F					
D.Sc./D.Litt.	--	--	--	---	---	--	---	---	---	---	--
Ph.D.			08	07	15	04	0	03	0	0	37
M.Phil.			01	01	0	04	0	0	0	01	07
PG			01	02	04	02	07	11	06	04	37

The college has no power to recruit permanent teachers, as they are names are recommended by the West Bengal College Service Commission and accordingly the governing body appoints them. However, the college is to meet the problem of scarcity of teachers by appointing contractual teachers and guest lecturers. There is a Selection Committee formed by the GB and the contractual teachers are selected by the committee. Sometimes the college requests retired teachers to take some classes for the benefit of the students.

2.4.2 How does the institution cope with the 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 institution proceeds with a planned method to cope with the problem of scarcity of senior faculty in the emerging/ newly introduced subjects and thus try to meet

the growing demand of the students.

- In time of introducing the honours course in Biochemistry, a good number of faculty members from the Department of Chemistry and Zoology used to take classes of Biochemistry honours.
- Similarly, faculties of Physics Department took classes of the Department of Electronics and Environmental Science.
- A retired teacher of department of Zoology used to take classes of the departments of Zoology and Environmental Science.
- A senior teacher from the Department of History used to teach Human Rights and teachers of Economics, English etc. addressed the students of Women Studies.
- The department of Journalism & Mass Communication occasionally invites senior journalists of repute from leading newspaper houses for delivering lecture to the students of the department.
- Two recently retired teachers of department of Mathematics are still engaged in teaching the Honours students.

As an outcome of the above measures, the institution benefitted a lot, which was reflected in the satisfactory university results.

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.

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty nominated			
	2011-12	2012-13	2013-14	2014-15
Refresher courses	--	01	05	03
Orientation programmes	03	02	03	02
HRD programmes	--	--	01	--
Staff training conducted by the university	--	--	--	--
Staff training conducted by other institutions	02	--	--	--
Summer / winter schools, workshops, etc.	09	10	05	15

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

The institution, in general, does not organize any programme for faculty training as it has a band of qualified, well equipped and highly skilled teachers. However, the institution provides all kinds of facilities to the faculty members, so that they can improve their quality of teaching.

- The heads of the departments of the college arrange departmental meetings to distribute the syllabi and fixing the time frame for each module of the syllabus, at the beginning of each session.
- The college encourages the faculties to use the modern teaching learning methods along with the traditional chalk and talk method.

- The college has six smart classes equipped with overhead LCD projectors and computers.
- Many departments are provided with internet facilities to enable the faculties and the students to remain acquainted with modern developments in their respective subjects.
- The teachers of the departments of History and English use maps in the classrooms for giving the students a clear cut idea about the geographical locations of different places.
- Several departments hold class tests regularly for proper assessment of the students. Besides class test mid - term tests and annual test examinations are centrally conducted.
- Several departments organize seminars by inviting eminent scholars of the universities and other institutions for benefit of the students.
- In July 2015, the college organized a one week course on SOFT SKILLS DEVELOPMENT & STRESS MANAGEMENT for the faculty members. The programme was organized in collaboration with Centre for Counseling Services & Studies in Self Development, affiliated to Jadavpur University.



A Week-long Programme on Soft-Skill Development

c) Percentage of faculty

- * invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies: 25%
- * participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies: 65%
- * presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies: 40%

2.4.4 What policies/systems 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 adopts a coherent policy for recharging the teachers to ensure high quality teaching. There is a Research Guidance Cell for encouraging research works in different subjects, which enriches both the faculty members

as well as the students. A system of granting study leave exists, which enable teachers to complete doctoral thesis and post-doctoral works. A good number of teachers enjoy UGC sponsored research projects and many of them publish several papers as an outcome.

The institution constantly encourages the teachers and provides necessary support for publishing their research works. The college itself publishes a journal, BODHI in humanities, science and commerce streams. As an outcome of the institutional efforts, quite a good number of teachers regularly publish their articles/ papers in journals and edited books of national and international repute. Some teachers have authored books with ISBN number.

Many teachers of the college are invited by several institutions/ universities as resource persons/speakers. The invited teachers are granted leave on duty by the college authority. Two teachers of the department of Mathematics visited universities abroad for presenting research papers and the institution sanctioned necessary leave to them.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/ achievement of the faculty: 01(One).

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 the teaching-learning process?

There is a system of evaluating the teachers by the students. Students' feedback and suggestions help the teachers to make some improvement in the process of teaching and learning. Students' suggestive remarks help the teachers of different departments to make some improvement in the process of teaching - learning.

In time of promotion of the teachers, they are to fill up a Performance Based Accreditation System (PBAS) form issued by the UGC. That is a detailed pro-forma containing teaching methodology, research works and other institutional responsibilities performed by the faculty members. The IQAC gives a meticulous look at the self-assessment form forwards the same to the authority for promotion. A subject expert from affiliating university and a DPI (Directorate of Public Instructions) nominee sanction the final approval for promotion. The system works as a substitute for evaluation of teachers by external peers, which ensures an improvement in the teaching learning process.

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?

The college follows a comprehensive system of evaluating the students. In the beginning of each academic session, a meeting of the Teachers' Council is held. Among many other academic issues, the system of evaluation is elaborately discussed. On the basis of the recommendation of the Teachers' Council, the IQAC and the Academic Sub Committee adopt a clear cut evaluation process. Accordingly, the heads of the Departments convey the message to the students.

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?

It is the instruction of the affiliating university to Mid - Term test and Annual Test Examinations in each year. To add to it, several departments take class tests for periodic assessment of the students.

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?

It is binding upon the institution to implement the reforms introduced by the affiliating university. The college also seriously implements its own reforms related to evaluation of the 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 teachers of different departments keep constant vigil over the progress and performance of the students. The preliminary problems are solved by dialogue between the teachers and the students. The institution takes special care for the laggards, particularly those who cannot cope with the higher level of studies. In the formative phase, the teachers try to make an assessment by taking class tests. The answer-scripts are shown to the students and their shortcomings are pointed out. This practice proves beneficial to the students in the long run and their improvement is clearly visible in the Midterm and Annual Test Examinations. The performance of the students is really satisfactory in the university examinations.

- Regular attendance of the students is given top priority by the institution. In fact attendance of the students is closely associated with evaluation process. Before the annual test examinations, the absentees face guardian call and the students and the guardians are to give an undertaking to ensure their wards' regular attendance in future.

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.

The entire process of evaluation is followed rigorously and with utmost transparency. The practice has yielded positive results for the institution. During last four years most of the honours departments achieved nearly cent percent success rate, which is enviable by any standard. A large number of students obtained first class. Not only the students of science stream, even the students of humanities departments like History, Philosophy and Sanskrit obtained first class marks.

There is no system of giving weightage for behavioural aspects. But strong vigil coupled with care and sympathy on behalf of the college authority ensures good behavior of the students. During last four years not a single incident of misbehavior or indiscipline, on the part of the students, could be noticed. The teachers constantly encourage the students to get themselves involved in independent learning. Interested students are encouraged to read books outside their curriculum. The institution also encourages the students to take part in essay competitions, debate competitions, science quiz competitions etc. This helps them to enhance their communication skills.

The college also arranges a seminar competition of the students of different streams. The toppers are rewarded by the college. Such steps play a positive role for the overall development of the students.

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

The college attributes prime importance to regular attendance of the students. This practice helps the students to develop a sense of discipline. Furthermore, the marks obtained by the students in Mid-Term and Annual Test examinations are also given importance. Regular class tests

keep them updated and help them to get familiar with day to day learning. Apart from curricular aspects, students are also encouraged to take part in extra-curricular activities like debate, lecture, sports etc.

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

There is a grievance cell in the college and that information is clearly given in the college prospectus. There is also a grievance box in which anyone in the college can ventilate their grievances. Fortunately enough, the authority did not receive any grievance from the stakeholders for a considerable length of time. Not a single instant of student unrest took place in the college during last four years. If any small dispute arises, that is mitigated through dialogue with the Principal and senior teachers. In any case, the identity of the complainant is never disclosed.

2.6. Student performance and Learning Outcomes

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?

Yes. An elaborate prospectus, published by the college, gives detailed information regarding learning outcomes. Moreover, in the beginning of each session, the principal along with the IQAC coordinator and secretary, Teachers' Council meets the students of each stream and speaks about the glorious heritage of the institution. At the same time, the Principal and other senior teachers, while addressing the new entrants emphasize on the vision and mission of the institution. The Principal highlights that along with the success in the examinations, they are to be good citizens in future. In the Teachers' Day (5th September), every year, the Principal separately visits all the departments and speak about the learning outcomes in the institution.

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 students' 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 college insists on regular attendance of the students. Regular class tests along with Mid-Term and Annual Test examinations are held. The results of the internal examinations are displayed in the departmental notice boards. Teachers thoroughly discuss with the students about their drawbacks and gives important suggestions for their improvement. Eminent scholars from other institutions are invited to give lecture to the students of the institution. Interaction with the eminent scholars has left marked improvement on the progress and performance of the students and that is reflected in the results of the university examinations.

Performance of the Students (Success Rate in %)

YEAR	BA		BSc		BCom	
	Gen	Hons	Gen	Hons	Gen	Hons
2012	76.9	99.5	86.2	97.8	87.7	96.2
2013	53.6	96.9	74.2	96.5	68.6	95.8
2014	47.2	99.5	74.4	98.3	39.5	66.9
2015	35.2	98.6	82.4	98.6	38.0	56.3



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

At the beginning of each session, the IQAC along the Academic Sub Committee chalk out a plan to ensure regular attendance of the students. The committee also fixes the dates of the mid-term and the annual test examinations of the students of each year. It is also clearly enumerated that guardians would be called for discussing problems of the absentees. Such practices help the students to achieve success in their university examinations.

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?

Outside university curriculum, the college endeavours to motivate the students by undertaking various programmes.

- The college has a Job Placement Cell. The Cell collaborates with prominent companies and a large number of students have secured jobs, thanks to the effort of the Placement Cell.

Year	Number of Organizations Visited	Number of Students Participated	Number of Students Placed
2010 - 11	04	125	18
2011 - 12	03	126	01
2012 - 13	03	161	43
2013 - 14	06	239	27
2014 - 15	03	139	11

- The department of Commerce, sponsored by the Ministry of Corporate Affairs, Government of India, organized an Investor Awareness Camp. The same department also organized a seminar on Job Placement in association with ILEAP, a division of Pathfinder.
- The college follows a system of holding Seminar Lecture competition among the students. This particular innovative program helps the students to develop their articulation and eloquence.
- The college has an active Research Guidance Cell for developing research aptitude among the students.

List of RGC Research Projects in 2012-13

No.	Project Title	Department	Co-ordinator	No. of Students
1.	Diversity of Wall Flora in Thakurpukur and Adjoining Areas	Botany	Prof. Meenakshi Mukhopadhyay	Three
2.	Family : Is it a site of Power Relations where the self is Constituted or Constructive ?	Philosophy	Prof. Aditi Das	Three
3.	Macrophyte Diversity of Wetland Habitates in certain Peri-Urban Areas of South 24 Parganas	Botany	Dr. Kuntal Narayan Choudhuri	Three
4.	Elucidation of the Cytogenotoxic Effects of Heavy Metals on <i>Oreochromis</i> sp.	Zoology	Dr. Malabika Bhattejee	Three
5.	Health Insurance in West Bengal	Economics	Dr. Tapasi Biswas	Two
6.	Genotoxic Effects of some common Food Preservatives	Botany	Dr. Sutapa Kumar (Rai)	Two
7.	On Understanding Negation	Philosophy	Prof. Sangeeta Chattopadhyay	Four
8.	Producing Documentary : A Review and Analysis of 21st Century	Journalism & Mass Communication	Dr. Arnab Kumar Banerjee	Three
9.	Communication through Science Periodicals in 21st Century	Journalism & Mass Communication	Dr. Arnab Kumar Banerjee	Three
10.	Construction of Gender in the Bengali Print Advertisement of 21st Century	Journalism & Mass Communication	Dr. Arnab Kumar Banerjee	Three
11.	Study of Macrophyte Distribution in Freshwater Bodies with special reference to Water Quality	Environmental Science	Dr. Rajarshi Mitra	Three
12.	An Overview of the Usage of Plastic Carry Bag in Urban Kolkata : Difficulties in Law Implementation	Environmental Science	Prof. Sumana Mukherjee	Three
13.	Educational Scenario and India's Economic Development : some Reflections	Economics	Dr. Pampa Sengupta	Three
14.	Implementing the Right to Primary Education under Sarva Siksha Abhiyaan: A Pilot Study of three schools in South 24 Parganas	Human Rights	Dr. Payel Rai Chowdhury	Three
15.	Information Technology in Chemical Communication by Pheromones	Zoology	Dr. Trijit Nanda	Six
16.	Study of the Physicochemical and Physiological Effects of a common Household Detergent on <i>Oreochromis</i> sp.	Zoology	Dr. Samita Kundu	Three

List of RGC research projects in 2013 - 2014.

No.	Project Title	Department	Co-ordinator	Co-investigators
1	Impact of Price Hike on Luxury Consumption of Natural Resources: A Preliminary Assesment	Environmental Science	Dr. Rajarshi Mitra	Anindita Debnath, Arnab Kundu, Rajshree Chakraborty & Swatilekha Ghosh
2	Effect of Roadside trees and Urban greenary on Local Climate Parameters	Environmental Science	Dr. Rajarshi Mitra	Kasturi Saha, Dripta Ghosh, Sristi Jha & Vaskar Ghosh
3	Role of Banking Advertisement in Daily Newspaper	Journalism and Mass Comm.	Dr. Arnab Kumar Banerjee	Adit Majumder, Sayantan Dey & Samayeeta Dutta Roy
4	Right to Information Act: A New Challenge in Media World	Journalism and Mass Comm.	Dr. Arnab Kumar Banerjee	Arpita Sardar, Priyanka Dhali & Jyotsna Hembram
5	Impact of Kolkata Tabloid	Journalism and Mass Comm.	Dr. Arnab Kumar Banerjee	Bapan Mondal, Ayeshee Roy & Rupali Biswas
6	Study of the Effects of Different Pollutants on the Physico-Chemical Parameters of Water	Zoology	Dr. Samita Kundu	Bidita Dutta, Brototi Dutta & Shirsa Biswas
7	Investigation of the Allelopathic Potential of some Common Invasive Exotic Weeds of South Bengal	Botany	Dr. Kuntal Narayan Chaudhuri	Arka Ghosh, Bappaditya Sen & Diptesh Mondal

List of RGC-Sponsored students' Research Projects in 2014-15:

No.	Project Title	Department	Co-ordinator	Co-investigators
1	Microbiological analysis of water quality of Behala, South 24 Parganas, West Bengal	Botany	Prof. Meenakshi Mukhopadhyay	Angana Dasgupta, Koyel Das and Sreerexha Das Roy
2	Improvisation of solar water disinfection by heat intensification	Environmental Science	Dr. Rajarshi Mitra	Soham Chakraborty, Subhankar Halder and Rishov Das
3	A study of habitat preference of migratory waterfowls in reference of basic environmental parameters	Environmental Science	Dr. Rajarshi Mitra	Kasturi Saha, Suraj Dhali, Arka Karmakar and Abhishek Mishra
4	The study of the water quality of river Ganges in Kolkata across different seasons	Environmental Science	Prof. Sumana Mukherjee	Rahul Chakraborty, Arpan Chakraborty and Soumya Samanta
5	Perception vs. sensation: an epistemological understanding with reference to Nyaya philosophy and Western psychology	Philosophy	Dr. Tripti Dhar	Meghali Adhikari and Madhumita Samanta
6	An ethno-medicinal survey in the peri-urban areas of South 24 Parganas	Botany	Dr. Kuntal Narayan Chaudhuri	Bandana Pyne, Payel Baidya and Puja Patra

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?

The IQAC and the Academic Sub Committee collect the results of the Mid-Term and Annual Test examinations of different departments. The records are meticulously maintained by the Convenor of the Academic Sub Committee. On the basis of these records, the students are advised accordingly for their betterment in future. Particular care is taken for the laggards and the teachers outside the classroom try for their improvement. Many students, who did not fare well in the internal examinations achieved commendable result in the university examinations.

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

By adopting elaborate measures regarding attendance and assessment, the college has achieved immense success in imparting proper education to the students. Apart from

attendance, the college pays importance to the internal results and accordingly takes necessary measures. The efforts of the college has not only instilled discipline within the campus, at the same time, the students each year come out with flying colours in the university examinations.

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.

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

The teachers of the college give prior importance to the use of assessment/ evaluation outcomes as an indicator for evaluating performance and achievements of the students. On the basis of the results of the internal examinations like regular class tests, Mid-Term tests and Annual Test examinations, an assessment of the students are made and accordingly subsequent measures are adopted. Slow learners/ underperformers are taken special care for improvement by the teachers of several departments. Excellent performers are also not neglected. Teachers take serious initiatives for their further improvement. The institution believes in the principle: 'Even the best can be improved'. Such practices pay rich dividend in the university examinations. Moreover, after the annual test examinations are over i. e. after the classes are officially dissolved, a large number of teachers take special remedial classes, which proves helpful to both the laggards and the advanced learners.

CRITERION III

RESEARCH, CONSULTANCY AND EXTENSION



3.1 Promotion of Research

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

No, there is no such facility in the Institution.

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

All the research proposals prepared by the faculty members are at first approved by an internal screening committee, headed by the Principal, before they are submitted to the appropriate funding agency. The committee looks into the technical and financial feasibility of these proposals. In the absence of a permanent committee, each proposal is taken up by an independent committee, appointed by the head of the institution, consisting of the Bursar, the Convenor of the

Academic Sub-Committee, the Secretary of the Teachers' Council and the Coordinator of the IQAC and senior teacher from the department concerned. All issues related to the functioning of the research projects are dealt centrally by the college authority.

In 2009, the college constituted the Research Guidance Cell with the intention to promote, monitor and assess the research activities within the institution. Representative from various departments actively involved in the field of research have been nominated to this cell. Since 2010, based on its recommendations, the college also has been providing financial assistance to the teachers to do micro research projects in the form of one-year term Students' Research Projects.



Investor Awareness Programme of Commerce Department

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**
The principal investigator has absolute autonomy with regard to the utilization of the available funds at his discretion.

§ **Timely availability or release of resources**

As soon as the research grant is received by the college from the funding agencies like UGC, it is immediately released by the authority to the principal investigator without any delay.

§ **Adequate infrastructure and human resources**

The college provides a plethora of infrastructural support which are indispensable for the successful implementation of research projects, such as ample floor space; storage space for books, journals, glassware, consumables; shade house and experimental garden plot for field trials; an underground deep tube-well and a pond to provide 24- hours uninterrupted water supply throughout the year; water purifiers-cooler for round-the-clock supply of drinking water; two power generators for 24 hours power backup. The college employs a full-time caretaker to ensure the smooth availability of these facilities. All the non-teaching staff members in the laboratory, library and office extend all round support and cooperation to successfully run the research projects. The available human resources, including the technical staff and students motivated for research, are fully utilized to facilitate the research works. In all these years, the college has been able to build a favourable environment for research activities.

§ **Time-off, reduced teaching load, special leave etc. to teachers**

Special study leaves are granted to the staff members to attend lectures, seminar, workshops, or to pursue doctoral and post-doctoral programmes in research institutions. Members of the teaching staff engaged in research activities are liberally allowed to avail the library and laboratory facilities at reputed research institutes and universities, or to do field work during the working hours. Since the number of teaching staff is limited in most of the departments, it is realistically not possible to reduce the teaching load of the

teachers, however the class schedule are suitably adjusted by the concerned departmental Heads to cater to the special needs of the individual teachers so that their research activities can proceed smoothly.

§ **support in terms of technology and information needs**

The college provides different technological and informational facilities to its faculty members involved in research activities such as basic laboratory instrumentation; distillation units for distilled water supply in chemistry and biology laboratories; gas supply for chemistry laboratories; well-stocked library with access to online periodicals, books and journals; internet access in the departments and the library. Departments of the college regularly organize lectures, seminars, workshops either sponsored by UGC, or organised internally by the college, on contemporary research topics. Eminent scholars and scientists are invited as resource persons to stimulate the research aptitude of the students as well as to reinvigorate faculty members.

§ **facilitate timely auditing and submission of utilization certificate to the funding authorities**

The college account is audited regularly, timely and meticulously by government-approved statutory auditors. All the faculty members are very particular regarding the auditing and the submission of the utilization of the grant to the competent agencies. The college facilitates the principal investigators in their timely auditing and submission of utilization certificate to the funding agencies. The college always adheres to the time-bound auditing of all the sanctioned research projects and seminars, and the submission of utilization certificates to the funding agencies as soon as the tenure of the project or seminar expires.

§ Any other

Our mission is to prepare the future generations with academic excellence capable of facing the global challenges. Healthy association among the faculty members and the whole-hearted co-operation extended by the authority, students and non-teaching staff bring about a congenial environment, conducive for higher learning. The faculty members see the research works as an inextricable part of teaching. Tireless effort on the part of the faculty being encouraged by the authority has produced excellent research works. A good number of teachers have published papers in internationally acclaimed journals or in books published by publishers of international repute. Many of them have published books to their credit.

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

The phrase “scientific temper” was coined by Jawaharlal Nehru (Discovery of India, 1946) wherein he writes “the scientific approach and temper are, or should be, a way of life, a process of thinking, a method of acting and associating with our fellowmen”. With its limited resources, this undergraduate college endeavours to plant and nurture the seeds of scientific temper and research aptitude among its students, the most important stakeholders of the institution. The students of the college have ample opportunities to work and interact with the faculty members so that they can acquire the essence of modern research. To achieve this goal, the Research Guidance Cell of the college provides financial assistance to the teachers (as project coordinators) to lead small groups of motivated students (as co-investigators). In the last 4 years, 122 students were engaged in projects that were completed successfully. The third year honours and general undergraduate students are required to submit a report of their project work in Environmental Studies (Compulsory),

as part of the curriculum of the University of Calcutta. These project works are carried out by them under the direct care and guidance of the teachers of the respective departments. During all these assignments, a student is exposed, and usually for the first time, to the intricacies of modern research methodologies in the various disciplines. They are always encouraged to develop the research problems themselves. During the course of the projects, under the utmost care of the teachers and technicians, they become acquainted with research works. After the data collection, their supervisors assist them in the data analysis and in the writing of their reports following the relevant style of their academic stream. Departmental teachers continue to provide free career counselling to their alumni who are engaged in research activities at universities and research institutes regarding their options and problems. Individual teachers are also associated with various universities and research Institutes as part of their doctoral and post-doctoral research and as supervisors of doctoral students. Several teachers are involved in UGC minor projects. Their wealth of personal experiences in their specialized fields also helps in developing a scientific temper and promoting the research aptitude.

Photography is considered a fundamental part of any field work investigation. Keeping this in mind, in 2014, the Photography Cell of the college organized a two-day workshop on basic photography for the students.



Nature and Travel Photography organized by Photography Cell at Botanical Garden, Howrah

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.

Faculty members guiding Ph.D. students

Name of the faculty member	Name of the University where he/she is registered as supervisor	Number of students registered for/ obtained Ph. D. degree
Dr. Rajarshi Mitra	Jadavpur University	01
Dr. Debasis Mukherjee	Jadavpur University	04

Faculty members leading Students' Research Projects (RGC-VC sponsored)

Name of the faculty member	Total No. of Projects Completed	Total No. of Students Involved	Total Amount Disbursed
Aditi Das	1	3	Rs. 1,708.00
Dr. Aditi Roy Sarkar	1	3	Rs. 2,711.00

Dr. Arnab Banerjee	7	21	Rs. 17,500.00
Dr. Debasis Mukherjee	1	2	Rs. 1,805.00
Dr. Kuntal Narayan Chaudhuri	4	12	Rs. 7,972.00
Dr. Malabika Bhattacharjee	2	6	Rs. 5,647.00
Meenakshi Mukhopadhyay	2	6	Rs. 3,500.00
Dr. Pampa Sengupta	3	12	Rs. 7,197.00
Payel Rai Chowdhury	1	3	Rs. 1,000.00
Dr. Rajarshi Mitra	5	18	Rs. 5,990.00
Dr. Samita Kundu	2	6	Rs. 3,906.00
Sangeeta Chattopadhyay	1	4	Rs. 1,762.00
Dr. Senjuti Roy (Mukherjee)	1	3	Rs. 2,500.00
Sumana Mukherjee	2	6	Rs. 2,118.00
Dr. Sutapa Kumar (Rai)	1	2	Rs. 2,487.00
Dr. Tapasi Biswas	2	5	Rs. 3,481.00
Dr. Trijit Nanda	2	8	Rs. 5,082.00
Dr. Tripti Dhar	1	2	Rs. 1,000.00

Data from the last four years

Faculty members involved in individual/collaborative research projects

Name of the faculty member	Name of the Funding Agency	Type* (Status**) of the Project	Collaborator (if any)
Dr. Kuntal Narayan Chaudhuri	UGC	Minor (ongoing)	None
Dr. Asis Kumar Pal	UGC	Minor (ongoing)	None

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 college regularly organizes workshops and other programmes in collaboration with various organizations for the benefit of the teachers and students of our college. Academic conferences are also hosted by the institution.

Student seminars in the form of competitions, within the three streams of Science, Arts and Commerce, are annually organized. The preliminary level talks by interested students are organized in the individual departments. Selected students are then mentored by their teachers for the final round where they present seminar lectures on recent developments in their respective subjects. The best speakers are rewarded by the college. Individual departments also organize visits to research laboratories and institutes to promote research culture among the students.

The students of the department of Physics visited Science City, Kolkata, to attend a Seminar On India - based Neutrino Observatory (INO) organised by the University of Calcutta on 8th November 2013.

The seminar inspired the students of the departments immensely. The department of Physics celebrated Science Day on 28th Feb each year by visiting the Variable Energy Cyclotron Centre (VECC), Kolkata, an institution of Department of Atomic Energy, Govt. of India. The students of the department visited different laboratories of VECC and participated in the quiz competition. The students were accompanied by Mr. Somnath Paul, Department of Physics. The college, in association with the American Library, co-hosted a seminar on Nanoscience and Nanotechnology at the Lincoln Hall, American Centre, Kolkata. Eminent scientists in the area expressed their views on the future technological advancement. A large number of students of the Science Departments along with some faculty members attended the seminar.

In order to introduce the students to modern and specialized laboratory facilities and emerging areas of research in plant sciences, the department of Botany organized visits to the Ethnobotany Museum, Botanical Survey of India, Howrah, Tissue Culture Laboratory, RKM Vivekananda Centenary College, Rahara, Birbal Sahni Institute of Palaeobotany, Lucknow, Krishi Vigyan Kendra, RKM, Nimpith, Tissue Culture Laboratory, Dept. of Botany, Calcutta University.

The Department of Zoology visits on regular basis Indian Museum, Zoological Garden, WB State Poultry, Krishi Vigyan Kendra, RKM, Nimpith.

The Department of Bengali took the students to visit the house of the eminent Bengali writer Sarat Chandra Chattopadhyay at Deulti, Howrah.

The Department of History organised excursion tours in places of historical importance like Gaud in Malda, Murshidabad and Bishnupur. These tours are arranged with a view to stimulating research interest among the students.

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

The college has a Research Guidance Cell. Through this cell, the college encourages the students to take active interest in research works in different subjects. The teachers, who are entrusted with the responsibility of guiding the students, give priority to the fields relevant for their respective subjects. The faculty members act as experts in conducting research works by the students.

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

Researchers of eminence, occasionally from abroad, routinely visit the college as resource persons in seminars, special lectures, workshops & memorial lectures. Many of our faculty members are also in personal touch with researchers of reputed institutes and universities. The college has also been arranging State and National-level seminars and workshops and invite reputed scholars and scientists. The detailed list of the eminent researchers/scholars is enlisted in 2.3.6.

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?

Dr. Kuntal Narayan Chaudhuri, was granted six months special study leave to pursue a part of his doctoral research

at the Institut National de la Recherche Agronomique (INRA), Versailles, France. The outcome of the research work was published in 2009 as original research paper in the journal Transgenic Research.

Dr. Arvind Pan, Department of Physics, was granted two years of Special Study Leave for his Post- Doctoral research at Insitute of Atomic and Molecular Sciences, Taipei, Taiwan. The work was published in the Journal of Vacuum Science & Technology, American Vacuum Society.

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 research guidance cell organizes poster sessions in the college campus by the students participating in the students' research projects to disseminate their findings to the college community as a whole and encourage new comers to involve themselves in the future. Poster sessions and photography exhibitions are also organized along with the seminars to motivate the students. The findings of many of these students' research projects and minor research projects are displayed as posters in the respective departments and also published in books and journals, including the journal of the college.

Special seminars related to research activities are also organized by the Competence Building Cell of the college for the students. Field studies organized by the departments of Botany, Zoology and Environmental Science, and field trips organized by the departments of Journalism, Economics, Bengali and History also help in creating awareness about the potentials of research work in the respective fields. All the staff and students attend and actively participate in the seminars and workshops which are organized on a regular basis allowing direct interaction between the student community and research fraternity.

Students are also regularly exposed to the newly developing areas of research during the annual seminar lecture completion organized by the college. So these

institutional initiatives create awareness among the students and community.

Apart from these, the institution constantly encourages the faculty members to remain engaged in research works in respective fields. Encouragement by the institution has enabled many teachers to publish papers in journals of national and international repute with ISSN. Many of them have published books to their credit published by reputed publishers. It is worth mentioning that two books written by Dr. Siddhartha Guha Ray, Department of History, have been prescribed as reference books in the Calcutta University syllabus.

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.

In the beginning, it is to be mentioned that this is an undergraduate college affiliated to the University of Calcutta. The aim of the institution is to prepare the students for undergraduate examinations. In spite of this, the college underscores the necessity of enhancing research interest among the students.

With this view, the college has allocated a budget for research works as part of the students' research projects. During the last four years, a total sum of Rs. 89,400.00 was sanctioned by the college. Moreover, all sophisticated instrument need regular maintenance and spares for proper working which is funded by the college. All these AMC charges and cost of routine repair and replacement of parts of instrument are born out from the college fund under various college account heads. Moreover the college administration helps and encourages the staff-members eager for getting funds from the UGC.

Details of the funds allocated for students' research projects

Academic Session	Total Amount Approved (in Rs.)
2011-12	Rs. 25,000.00
2012-13	Rs. 38,900.00
2013-14	Rs. 17,500.00
2014-15	Rs. 15,000.00

Details of the funds disbursed for UGC minor research projects

Name of the faculty member	Total Amount Disbursed (in Rs.)
Asis Kumar Pal	2,02,500.00
Kuntal Narayan Chaudhuri	1,87,500.00
Sanjib Bhar	1,99,000.00
Debasish Mukherjee	1,58,000.00
Debasish Kundu	46,500.00
Malabika Bhattacharya	1,91,000.00
Madhu Kapoor	1,36,000.00
Tapasi Biswas	1,36,500.00
Rajarshi Mitra	1,85,730.00

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?

At present there is no such provision in our Institution. However, the college provides all sorts of support - administrative, infrastructural and financial - for research endeavour of the concerned faculty members. The college grants money for all the fieldworks which are part of the university curricula. The college also finances micro research schemes in the form of the students' research projects, which are considered to be the first stepping stones for developing research ideas.

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

There is also continued support to micro research projects to the faculty in the form of one-year Students' Research Projects. The Research Guidance Cell (RGC) of the college provides financial assistance to the teachers (project coordinators) to lead small groups of motivated students (co-investigators) from their departments in carrying out student's research projects of one-year tenure. These undergraduate students get the opportunity to work along with the faculty members. This also enables the students to come in touch with recent developments in modern research.

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

Inter-disciplinary projects and seminars are organized by the college where students and teachers of different disciplines interact, leading to improved inter-disciplinary research. Many of the faculty members are involved in research on inter-disciplinary topics. Data from the departments of Botany and Zoology are helpful to conduct the interdisciplinary research work for the faculty of Physics, Mathematics and Chemistry. Technical support from the departments of Chemistry and Biochemistry has helped research work in the departments of Botany in areas phytochemistry. Practical support from the department of Environmental Science has similarly helped research work in the departments of Botany and Zoology in the field of ecology. The teachers and students of the Botany, Zoology and Environmental Science departments were jointly involved in preparing the Peoples' Biodiversity Register for the local south suburban area as part of a project sponsored by the West Bengal Biodiversity

Board.

Dr. Siddhartha Guha Ray's book *Human Rights Democratic Rights and Popular Protest* has been prescribed as a reference book in the syllabus of Political Science, University of Calcutta. Dr. Guha Ray is an Associate Professor of History of the college.

Interdisciplinary approach has been adopted by the departments of History and English, History and Political Science, History and Human Rights, Economics and Women Studies etc. Dr. Siddhartha Guha Ray, department of history spoke on the **History of 16th Century England** to the students of English honours. The same teacher delivered a lecture on **The Cold War** in the department of Political Science. Dr. Atanu Thakur, department of Economics is the coordinator of the Department of Women Studies, similarly Dr. Siddhartha Guha Ray is the coordinator of department of Human Rights.

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

Sophisticated instruments of each department are housed in a separate instrument rooms and available to all the faculty members and research students after duly informing the Head of the Department (intradepartmental) and the Principal (interdepartmental). Students are permitted to access the sophisticated instruments only in the presence of an authorized faculty members or technical staff. A log book is maintained for each of these instruments. The laminar airflow cabinets in the departments of Botany and Biochemistry, the BOD-COD incubators in the department of Environmental Sciences and the UV-IR spectrometers in the department of Chemistry are available for the faculty and students of allied disciplines for research purpose. The department of Journalism & Mass Communication has a number of good quality DSLR camera and camcorders. The department also possesses a highly sophisticated Video Editing Machine (AppleMAC).

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.

None

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

Nature of the Project	Name of the Principal Investigator	Duration Year From To	Title of the project	Name of the funding agency	Total Grant	
					Sanctioned	Received
Minor Research Projects	Kuntal Narayan Chaudhuri	02-06-2014 to 01-06-2016	Micropropagation of <i>Excoecaria agallocha</i> L. (Euphorbiaceae), an important medicinal plant of the Indian Sundarbans	UGC	Rs. 2,80,000	Rs. 2,02,500
	Asis Kumar Paul	02-06-2014 to 01-06-2016	Biodiversity, parasitism and screening of potential foliar fungi of <i>Excoecaria agallocha</i> (Euphorbiaceae) a medicinal mangrove plant of the Indian Sundarbans	UGC	Rs. 2,65,000	Rs. 1,87,500
	Sanjib Kumar Bhar	2011-2013	Synthesis and Characterisation of thin film semiconductors	UGC	Rs. 1,99,000	Rs. 199000
	Debasish Mukherjee	2011-2013	Effect of Pollutant on interacting populations	UGC	Rs. 1,58,000	Rs. 149200
	Debasish Kundu	2011-2013	Implementing Mobile payment system in India:	UGC	Rs. 46,500	Rs. 28250

			Awareness, Prospects & Challenges			
	Malabika Bhattacharya	2011-2013	Elucidation of the cytogenotoxic & immunotoxic effects of heavy metals on fish biota.	UGC	Rs. 1,91,000	Rs. 177900
	Madhu Kapoor	2011 -2013	Dimensions of Truth	UGC	Rs. 1,50,000	Rs. 1,36,000
	Tapasi Biswas	2010 -2012	Garment Export from India	UGC	Rs. 1,36,500	Rs. 85000
	Rajarshi Mitra	2011-2013	Sustainability assessment of Coastal Sunderbans in reference to Adaptive Capacity Development		Rs. 1,99,300	Rs. 185730

3.3 Research Facilities

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

The college has well-equipped laboratories, which are provided with modern instruments such as laminar air flow cabinets, autoclaves, plant growth chambers, digital balances, incubator shakers, centrifuges, binocular microscopes with photographic attachments, colorimeters, UV and IR spectrometers, etc. The college also has a rich Central Library. In addition, most of the departments maintain their own Seminar Libraries. The department of Botany has a well-maintained herbarium, an experimental garden and a shade house. The departments of Physics, Mathematics, Geography, Computer Science and Journalism and Mass Communication are all equipped with computer laboratories. Computer and internet facilities are also available to the students and staff in almost all the departments. The Central Library has been fully digitized. Internet along with Wi-Fi facilities are provided to the students. The college has enrolled itself in the N-LIST, which would enable the students and faculty members to have e -

access to more than 80,000 books and journals. The department of Journalism & Mass Communication has a number of good quality DSLR camera and camcorders. The department also possesses a highly sophisticated Video Editing Machine (AppleMAC).

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?

The institution provides due consideration to the requests of the researchers to upgrade the available research facilities. The college is planning to develop centralized instrumentation facilities for the optimal use and better maintenance of all the expensive sophisticated instruments used for the purpose of research. The Institution encourages faculty to actively participate in new and emerging areas of research. There are instances where faculty members are granted leave to participate in various workshops related to emerging areas of research.

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.

Yes; institution received special grants from different national funding agency for the development of the instrumentation facilities. Some major instruments owned by the college are: plant growth chamber, binocular microscope with photographic attachment, Video Editing Machine (AppleMAC), Cold Centrifuge Machine, UV - IR Spectrophotometer etc.

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

- Electron Microscope (Bose Institute, Kolkata).
- Plant specimen identification (Central National Herbarium, Howrah).
- Animal specimen identification (Zoological Survey of India, Kolkata)

- Microbial identification (IMTECH, Chandigarh)
- NMR technology (IICB, Kolkata)
- Mass spectrometer (IICB, Kolkata)

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

- Updated books of current edition.
- Selected subscription of national and international journals.
- Online journals and Books through N-LIST internet facilities.

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.

None

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 college is located in the south suburban interface of the Kolkata metropolis, a region where not only the local environments but also the local communities and their traditional practices are increasingly threatened by rapid urbanization. The agrarian hinterland of the South 24 Parganas is also rich in floral, faunal and cultural diversity. Sponsored by the West Bengal Biodiversity Board, the departments of Botany, Zoology and

Environmental Science were jointly involved in preparing the Peoples' Biodiversity Register for the local area as part of a national effort in documenting local ethnobiology. The department of Botany has been developing a database on the local ethnomedicine and wetland flora.

This is to be mentioned that students' research projects conducted by the Research Guidance Cell of the college have highlighted several local issues related to ecology and biodiversity.

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

Nil

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 publication is listed in any international database?

The college, since 2007, has been regularly publishing its peer-reviewed research journal *Bodhi*. Each volume of the journal consists of three separate issues: *Bodhi Artham* (a journal of Economics, Commerce and Management), *Bodhi Kala* (a journal of Humanities) and *Bodhi Bijnana* (a journal of Science). Senior teachers from the respective streams constitute the three separate editorial boards as Joint Editors and Associate Editors. Each of the sections has an Advisory Committee with the Principal as the Chief Advisor. The journal has the ISSN 2277-4831.

**3.4.3 Give details of publications by the faculty and students:
See Annexure-III**

3.4.4 Provide details (if any) of

- * Research awards received by the faculty**
- * Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**
- * Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

Annually, achievements by the faculty, including in the field of research, are circulated among the college community, especially students, through the prospectus published during the admissions. This helps to circulate the fact to all. Moreover, the concerned teachers are felicitated at the meetings of the Teachers' Council.

3.5 Consultancy

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

- The department of Zoology visits every year the State Poultry Farm, Tollygunge.
- The department of Commerce organized a programme on Financial Awareness with National Stock Exchange.
- The department of Commerce organized a workshop on Prospects of Management Accountants in collaboration with Institute of Cost and Works Accountant of India.
- The students of the department of Commerce, visited the Kolkata of National Stock Exchange (NSE).
- In 2014, the department of Commerce organized a workshop jointly with the Institute of Management Accountants of India.
- The department of Commerce organized a seminar on Job Placement in association with iLeap, a division of Pathfinder.
- The college organized a lecture session on Recent Trends in Management Education jointly with EIILM.
- Department of Environmental Science visited Dankuni Coal Complex, in 2011 with the third year students.
- Department of Environmental Science, visited the Municipal Solid Waste dumping ground of Kolkata Municipal Corporation in every year since 2013.



Our students of Commerce at National Stock Exchange, Kolkata



Visit to West Bengal State Legislative Assembly



Students of Zoology Department are engaged in field work



Students of Environmental Science at Dhapa Dumping Ground

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

The institution being an undergraduate college has no scope for promoting consultancy services to any organization/ institution. However, the college encourages others to build up collaboration with other organizations in the interest of the stakeholders.

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

Although there is no system of providing consultancy to others, the college, however, responds to the appeal of other institutions in this regard. The senior faculty members are invited by many institutions to give lectures to their students and thus their expertise is being utilized by the other institutions.

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

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?

N/A

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

The institution is not only concerned with academic affairs and imparting education to the students. The college believes that, it is the duty of any academic institution to nurture the students in a proper manner, so that they can develop themselves into good citizens. In fact, with this idea in mind, the college has introduced two general subjects like Human Rights and Women Studies. Both the subjects have got larger social connotations and awareness. The college not only restricted itself to inculcate human values to its students only, but has given yeomen's service to the

locality for upholding its principles.

The college developed a relationship with an NGO named SWABALAMBI. This is an income generation group of persons with disabilities supported by SANCHAR, a society for appropriate rehabilitation of the disabled. The college provides the organization an opportunity to exhibit and sell their products at the college premises every year.

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

Teacher - Student relationship is the stepping stone of success of the institution. It is the priority of the institution to involve the students in various activities of the college. There is an elected Students' Union and the Principal is the ex-officio president of the Union. Different aspects like sports, cultural activities, magazine etc. are looked upon by senior teachers and they help the students to organize sports and cultural activities and for publishing the magazine.

By taking part in such activities under the guidance of the teachers, our students gradually develop leadership qualities, which are manifested in the outside world as well.

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

The mission of the college is to involve the students in every respect. The teachers try to inspire them to take part in extracurricular activities and other extension programmes. The performers in each field are rewarded by the institution. Seminar lecture competition, debate competition, poster competition etc. are organized by the institution. The best performers are rewarded. The stakeholders, particularly the students highly appreciate such programmes of the college. In fact, students' participation in various fields plays a key role in ensuring the quality of the institution.

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 avowed mission of the college is education for empowerment. This mission modulates following goals and objectives like advancement of learning for personality and career development, cultivating qualities required for good and responsible citizenship, instilling a strong sense of commitment to human values and social justice and involvement in community life along with acquisition of academic knowledge and personal values. The college proceeds with the lofty idea of elevating the institution to the highest standard. The college gives much importance to the extension and outreach programmes, particularly in the locality, involving the NSS unit of the college. The Governing Body of the college highly appreciates the extension programmes pursued by the college. The college accordingly encourages the students and the teachers to take active part in such programmes.

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?

During last four years the college gave immense priority in organizing extension works with the help of the students as well as the teachers.

- The college organized a Sensitivity/Awareness/Motivation Workshop under Capacity Building Women Manger's Scheme (CBWMS) of the UGC, in 2013. Ms. Padma Ramchandran, retired IAS, member, National Consultative Committee, CBWMS, UGC graced the occasion with her august presence. Apart from Bengal, participants from neighboring provinces like Jharkhand and Odisha joined the programme.
- The students of the college organized the

Photography and Painting Exhibition at Gallery Gold, Kolkata.

- The NCC Unit of the college participated in the SAARC Integration Sishu Mela and National Integration Camp in Ranchi and Nagaland respectively. The same unit of the college also extended a helping hand to the civil administration for maintaining law and order in Ganga Sagar Mela.
- Chandni Chatterjee, our student and an NCC Cadet, participated in **Youth Exchange Programme** in Sri Lanka. In fact she represented India in Sri Lanka from 17th to 30th October 2013. Chandni Chatterjee also received **Pulin Behari Das Smriti Padak** of the University of Calcutta. She received the award from the hands of the Hon'ble Governor of West Bengal, Sri K. R. Narayanan.



Lt. Dr. Trijit Nanda along with NCC Officers

- The NCC of the college participated with Coy. Commander in **Advance Leadership Camp (ALC)** in March 2014.
- The NSS unit of the college throughout the year employs student volunteers in various community related programmes

- The NSS Unit of the college organized a Health Camp on 11th January, 2012 in the college premises. A large number of local residents, teachers, students and members of the non-teaching staff utilized the opportunity of a free health check up by qualified Medical Practitioners.
- Every year, the volunteers of NSS participate in an out-reach special camp at a nearby village, called Kalyan Nagar, Joka. During their seven days of stay the students participate in awareness building, household survey, interact with local people and clean the region as a part of their social commitments.
- BEHALA BODHAYAN is a voluntary organization, which is engaged in giving services to the mentally retarded persons. The organization helps such persons to manufacture products like files, bags, etc. The college purchased bulk files from the organization to provide financial support to the organization.
- In 2012, the NSS unit of the college participated in World Handicapped Day rally.
- The college developed a relationship with an NGO named SWABALAMBI. This is an income generation group of persons with disabilities supported by SANCHAR, a society for appropriate rehabilitation of the disabled. The college provides the organization an opportunity to exhibit and sell their products at the college premises every year.
- The NSS unit of the college had been awarded the Best NSS unit by University of Calcutta in 2013-14.
- The Sri Nataraj Bhattacharjee, a student of the college received the best NSS volunteer prize.
- The NSS unit organized an awareness programme under the banner of RED RIBBON EXPRESS PROGRAMME on AIDS and Thalassemia.
- The NSS unit in collaboration with the **Department of Information and Culture, Government of West**

Bengal and Lok Prasar Prkalpo, organized the **World Aids Day** for enhancing awareness among the students and guardians.



College Campus Cleaning Programme by NSS Unit

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?

Remaining true to the teachings of Swami Vivekananda, the college does not restrict itself to the completion of syllabus of the affiliating university, but also attributes much importance to render services to the society.

- The college invited Ms. Alokanda Roy, the noted social activist and dancer, who works for reforming the prisoners. She presented a short film based on Tagore's *Balmiki Prativa*. A number of prisoners performed in the film. A reformed prisoner accompanied her in the programme.
- Upto 2004, the college used to teach higher secondary courses, but in compliance with the Government order, the course was discontinued in all under graduate colleges of the state. The college donated all its well-maintained laboratory equipment and books required for Higher Secondary

Course, to a local school, viz. Brahmachari Pranesh Kumar Vidya Mandir for Girls.

- The college along with the Students' Union organize a **Blood Donation Camp** every year. In August 2015, the NSS Unit of the college organized a **Blood Donation Camp**, in collaboration with Dr. Saroj Gupta Memorial Cancer Research Institute, Thakurpukur. The Blood was collected specifically for cancer patients.
- In 2010-11, on the Independence Day, the college distributed saplings to the local clubs and teaching materials to the under privileged students of the locality.
- In 2015, Dr. Pampa Sengupta, Head of the Department of Economics, guided the students to make a survey on **Self Help Group** of the locality.
- The Department of Environmental Science took initiative of Campus Biodiversity Check listing. The total number of trees in the college premises had been counted.
- The Department of Environmental Science was selected as a coordinating center by ENDEV, an NGO. The department was entrusted with the task of preparing a **People's Biodiversity Register (PBR)** of Kolkata, a project sponsored by WEST BENGAL BIODIVERSITY BOARD. The report of the survey was submitted to the WB Biodiversity Board.
- The students of the college, under the supervision of Dr. Rajarshi Mitra, made a survey in the locality relating to social and environmental issues. The college took some measures for addressing the problems.
- The Department of Human Rights observes the Human Rights Day on 10th December every year. Issues related to social justice and freedom of thought are discussed by the eminent Human Rights Activists.
- K.K. Chatterjee Memorial Trust, an NGO works for

enhancing anti AIDS and anti tobacco awareness. The organization observed World's AIDS Day on 1st December 2015 in collaboration with our College. A large number of students of the college, under the guidance of Dr. Ashutosh Mukherjee, Department of Botany, attended a seminar on the issue. The members of the K.K. Chatterjee Memorial Trust along with the students under the NSS banner of the College participated in a rally organized in the locality as a part of the awareness programme.

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.

Side by side with academic activities, the college emphasizes on the extension activities executed by the students. In fact, it helps the students to enhance their social awareness. Thus their academic experience is complemented by human values and skills. By their involvement in the above mentioned extension activities, they acquire experience in social activism.



Participants of CBWMHE Programme

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 regularly tries to help the local people by various ways. It distributes saplings to the local clubs and books to the underprivileged students of the locality. The college also takes initiatives to increase awareness of the local people on social and environmental issues. Giving eye to community development, our students try to build up a collaboration with the local people.

In August, 2011, the college in time of observing its Diamond Jubilee, led a procession in the locality. The procession demonstrated and displayed tableaux emphasizing on issues related to social justice and human values.



H

Hon'ble Mayor of Kolkata Municipal Corporation in Diamond Jubilee Celebration

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 maintains a cordial relationship with other colleges of the locality. Seminars are held in joint collaboration with Vidyanagar College, Vivekananda College for Women, New Alipur College, Behala College etc.

The Department of Economics organized seminars in collaboration with **Livelihood School, Hyderabad.**

The Department of History hosted the 28th Annual Conference of **Paschim Banga Itihas Samsad** in 2012.



Annual Conference of Paschim Banga Itihas Samsad hosted by History Department

During our Diamond Jubilee Celebration, a quiz contest was organized. Students of several colleges like Asutosh College, Narendrapur Ramkrishna Mission College, Lady Brabourne College along with our own students participated in the competition.

In time of observing Birth Anniversary of Swami Vivekananda, the Students' Union of the college organizes Swamiji Football Tournament. It is a competition, taken part by several local schools.

The college hosted National Robotics Championship

in association with IIT Bombay and ARK Technosoft Limited. Students of other colleges like Asutosh College, Dinabandhu Andrews College, Behala College along with our own students participated in the programme.

The college organized a week long workshop on Stress Management and Soft Skill Development, in collaboration with Jadavpur University in June 2015. Teachers from different colleges of the city like Vijaygarh College, Gurudas College, Vivekananda College for Women, Bangabasi College, Murlidhar Girls' College etc. took part in the workshop.

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.

The Education Directorate, Government of West Bengal conferred the responsibility on the college to organize the Inter College State Sports & Games Championship, 2014. The programme was held between 20th - 28th March, 2014, at Yubabharati Krirangan and SAI complex, Saltlake. Almost, all the colleges of different parts of West Bengal participated in the sports competition. The competitors highly appreciated the hospitality and arrangements made by the college.



Opening Ceremony of Inter College State Sports and Games Championship 2014

The Government of West Bengal has launched a unique programme for benefitting the unmarried female students known as the **Kanyashree Prakalpa**. Eligible candidates are entitled to get monetary support from the Government. It is worth mentioning that Vivekananda College was awarded the second best prize for two consecutive years (2013 - 2014, 2014 - 2015). Being a coeducation college, this is a great achievement as the college was able to bring a large number of female students under the fold of **Kanyashree Prakalpa**.

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 college organizes seminars in collaboration with other institutions including undergraduate colleges, NGOs, universities and academic bodies.

The Department of Economics collaborated with Livelihood School, Hyderabad, the Department of History collaborated with Pashim Banga Itihas Samsad, the Department of Philosophy collaborated with Indian Council of Philosophical Research and the Department of Mathematics collaborated with Behala College, Vivekananda College for Women and New Alipur College.

The Department of Physics visits the Variable Energy Cyclotron Centre, Department of Atomic Energy each year to observe National Science Day. The students of the same department visited Science City, Kolkata, to attend a Seminar On India - based Neutrino Observatory (INO) organised by the University of Calcutta on 8th November 2013.

The college, in association with the American Library, co-hosted a seminar on Nanoscience and Nanotechnology at the Lincoln Hall, American Centre, Kolkata. Eminent scientists in the area expressed their views on the future technological advancement. A large number of students of the Science Departments along with some faculty members attended the seminar.

The department of Botany organized visits to the Ethnobotany Museum, Botanical Survey of India, Howrah, Tissue Culture Laboratory, RKM Vivekananda Centenary College, Rahara, Birbal Sahni Institute of Palaeobotany, Lucknow, Krishi Vigyan Kendra, RKM, Nimpith, Tissue Culture Laboratory, Dept. of Botany, Calcutta University.

The Department of Zoology visits on regular basis Indian Museum, Zoological Garden, WB State Poultry, Krishi Vigyan Kendra, RKM, Nimpith.

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.

The college runs a Distance Learning Center of Post Graduate studies in History, English, Bengali, Zoology and Environmental Science, affiliated to Vidyasagar University.

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.

There is no such industry - institution - community interactions. However, the college has evolved a system of its own to collaborate with other institutions, which has been elaborately discussed in the previous items. The college has entrusted upon WEECANN SOLUTIONS with the responsibility of complete digitization of the library. The college has an active Job Placement Cell. The cell has developed a collaborative relationship with the organizations like TCS, Dabur, ITC, Wipro etc. A good number of students secured employment through the Job Placement Cell of the college.

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.

Year	Level	Speakers/Contributors	Department
2011-12	International	Prof. Sekhar Bandyopadhyay(Victoria University, New Zealand), Muntasir Mamun(Dhaka University, Bangladesh), Prof. Sabyasachi Basu Roy Chowdhury(VC, Rabindra Bharati University)	History
	National	Justice S. P. Talukdar (Calcutta High Court), Dr. Sajini Mukherjee (Jadavpur University), Dr. Ashis Ghosh(Former Director, ZSI.)	History & Human Rights
	National	Dr. Anjan Chakraborty(Calcutta University), Mr. Sanjoy Sen (USA), Dr. Bibek Roychowdhury(Indian Institute of Foreign Trade), Prof. H.S. Sailendra(Indian Rural Management, Anand, Gujrat), Mihir Sahana(BAXIS, Hyderabad)	Economics
	National	Laura Ungar (USA), Sujoy	Journalism &

		Dhar(Washington Times), Tuhina Guha Majumdar(FTII, Pune), Dr. Biplab Louha Chowdhury(Visva Bharati University)	Mass Communication
2012-13	National	Prof. Tapan Chakraborty(Jadavpur University), Prof. Raghunath Ghosh(North Bengal University), Prof. Gangadhar Kar(Jadavpur University), Nilanjan Das(MIT, USA), Dr. Sarala Kapoor(Psychologist)	Philosophy
	National	Dr. Arunim Banerjee(JNU), Prof. Saumitra Basu(Jadavpur University), Dr. Ujjwal Jana (Pondicherry University)	Journalism & Mass Communication
2013-14	National	Prof. Guru Prasad Kar, Prof. S. M. Srivastava(Indian Statistical Institute, Kolkata), Prof. Subenoy Chakraborty(Jadavpur University), Prof. Satyabachi Sar(Agartala, Tripura)	Mathematics
2014-15	National	Prof. Gangadhar Kar & Prof. Prayas Sarkar (Jadavpur University),	Philosophy
	National	Dr. Sukalyan Chakraborty(BIT, Mesra), Dr. Tanushree Bhattacharya, (BIT, Meshra), Dr. Biswajit Roy(Calcutta University), Prof. Subhas Chandra Santra(Kalyani University)	Environmental Science

3.7.5 How many of the linkages/collaborations have actually resulted in formal 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

Prof. Sumita Chakraborty, Department of Political Science was a member of the Board of Studies, Calcutta University. She had a role in preparing the

syllabus.

Dr. Siddhartha Guha Ray, Department of History was made a member of the Model Question Preparation Subcommittee. He played a vital role in preparing the model question list under the curriculum of B.A. History (Hons.).

b) Internship/ On-the-job training

The teachers join Refresher Courses & Orientation Programmes, organized by the Staff Training Colleges of different universities. This is linked with the promotion scheme of the teachers.

The college organized a workshop for the teachers of different colleges on “Stress Management and Soft Skill Development” in collaboration with Jadavpur University.

c) Summer placement:

N/A

d) Faculty exchange and professional development

There is no faculty exchange programme as such, but some teachers are invited by other institutions to give their expertise on the subject.

e) Research

A large number of teachers obtained UGC Minor Research Projects.

Some teachers went abroad to perform post-doctoral research in foreign universities.

Some teachers have link with publishing houses and their researches have been published in book form.

f) Consultancy

Dr. Siddhartha Guha Ray was invited as a consultant on Human Rights by the Department of

Journalism & Mass Communication of Rabindra Bharati University.

Dr. Atanu Thakur was invited by NABARD as a consultant in a survey work on Jindal Steel. Dr. Thakur also acted as a consultant in DNGM research institute.

Dr. Rajarshi Mitra acted as consultant to provide technical training to the Staff of Mitra S. K., a consultancy firm based in Kolkata. He also acted as a consultant peer reviewer for ABNAKI INFRASTRUCTURE APPLICATIONS & INTEGRATED DEVELOPMENT PRIVATE LIMITED, New Delhi for an urban development project report.

Dr. Siddhartha Guha Ray, Department of History, gave a lecture in Variable Energy Cyclotron Centre (VECC), a Department of Atomic Energy Institute, Saltlake, Kolkata, on Dr. B. R. Ambedker's Contribution to the Constitution of India on 26th November 2015 on the occasion of Observance of "The Constitution Day of India."

g) Extension

The college is involved in various extension programmes, which has been stated earlier.

h) Publication

The college itself publishes a journal with ISSN number, named *Bodhi*. *Bodhi* is published in three forms. The journal dealing with Commerce and Economics is named *Bodhi Artham*. The journal, which deals with Humanities and Social Science is named *Bodhi Kala*. The journal of Science is named *Bodhi Bijanana*.

Some departments have published their seminar proceedings.

Apart from these, a large number of teachers have published papers and articles in journals of national and international repute.

Some teachers have contributed chapters in the books published by internationally reputed publishers.

Some teachers have authored books published by eminent publishing houses.

i) Student Placement

The college has an active Job Placement Cell. The cell has developed a collaborative relationship with the organizations like TCS, Dabur, ITC, Wipro etc. A good number of students secured employment through the Job Placement Cell of the college.

j) Twinning programmes: NA

k) Introduction of new courses:

The college has to seek permission from Calcutta University for introduction of new courses. For example, during last few years, college introduced Women Studies and Human Rights as General subjects and Electronics, Statistics and Geography as Honours subjects.

l) Student exchange: NA

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

The college has taken uninterrupted initiatives in planning and executing linkages/collaborations with external bodies viz. academic institutions, NGOs and other academic bodies. The college gives priority to the programme of helping the local institutions and local people.

- The college organized a Sensitivity/Awareness/Motivation Workshop under Capacity Building Women Manger's Scheme (CBWMS) of the UGC, in

2013. Ms. Padma Ramchandran, retired IAS, member, National Consultative Committee, CBWMS, UGC graced the occasion with her august presence. Apart from Bengal, participants from neighboring provinces like Jharkhand and Odisha joined the programme.

- The students of the college organized the Photography and Painting Exhibition at Gallery Gold, Kolkata.
- The college along with the Students' Union organize a **Blood Donation Camp** every year. In August 2015, the NSS Unit of the college organized a **Blood Donation Camp**, in collaboration with Dr. Saroj Gupta Memorial Cancer Research Institute, Thakurpukur. The Blood was collected specifically for cancer patients.
- BEHALA BODHAYAN is a voluntary organization, which is engaged in giving services to the mentally retarded persons. The organization helps such persons to manufactures products like files, bags, etc. The college purchased bulk files from the organization to provide financial support to the organization.
- The college developed a relationship with an NGO named SWABALAMBI. This is an income generation group of persons with disabilities supported by SANCHAR, a society for appropriate rehabilitation of the disabled. The college provides the organization an opportunity to exhibit and sell their products at the college premises every year.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

The college has a plan to introduce Post Graduate studies in History and Bengali. It has already started the process abiding by the rules of the Calcutta University. If the project materializes, college would like to encourage research work within the institution.

CRITERION IV

INFRASTRUCTURE AND LEARNING RESOURCES



Medicinal Plant Garden of our College

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?

The institute believes in growth that comes collectively and hence always tries to maintain a pace in infrastructural development that facilitates effective teaching and learning. Any affordable facility that helps in enhancing the efficiency of teaching and learning is always available.

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.**

As mentioned in its policy, the institute remains

updated with the advanced teaching and learning equipment in all of its class rooms and laboratories. Some of such facilities are listed below:

- Almost all the departments of the college are having spacious class rooms and seminar rooms with regular access of the students.
- Each of the laboratories is well equipped to cater the requirements of the syllabus. Instruments are regularly serviced and monitored for accuracy.
- Other than the seminar rooms at departments, there is an audio-visually well- equipped seminar room with seating capacity of more than 120. The room known as Vivekananda Sabhagriha contains permanent audio-visual facilities and is air-conditioned. It is always made available to all the departments to host any seminars of any scale.
- There is one medicinal plant garden named, *Sushruta Udyan* and a small botanical garden with rare species of plants maintained by the department of Botany.
- For effective teaching learning most of the Science departments are provided with OHP and LCD projector. In addition to the same there are two smart class rooms which are made available to the teachers as and when necessary.
- The authority promotes research activities for both the faculty members and the students. Space is made available always whenever any faculty member gets a project. However, there is policy of interdepartmental instrument sharing for better research activities.

The **Research Guidance Cell** takes care of student research projects and the authority gives them necessary financial and laboratory supports.

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.

The institute believes in the principle of harmonious development of body, mind and soul. Keeping this in view, the institution always encourages the students to take part in extracurricular activities, cultural activities and sports.

- The college has an NSS unit, which actively works throughout the year. The unit concentrates in several programmes related to awareness building and environmental issues. The volunteers of NSS unit regularly participate in campus cleaning drive, garden maintenance etc.
- The NSS Unit frequently organizes awareness programmes on blood related disease like AIDS and other STDs, Thalassemia etc.
- It also organizes health camps, blood donation camps, Water fair, Plantation programmes etc.
- Every year, the volunteers of NSS participate in a special camp at a nearby village, called Kalyan Nagar, Joka. During their seven days of stay the students participates in awareness building, household survey, interact with local people and clean the region as a part of their social commitments.
- The performance of the NCC unit of the college is commendable. The unit regularly trains its cadets within the campus.
- Every year, students from the NCC unit participate in parades of Republic Day and Independence Day.
- The NCC Cadets of the college frequently assist local police in mob controlling during the

- Durga Puja and Gangasagar Mela.
- Chandni Chatterjee, our student and an NCC Cadet, participated in **Youth Exchange Programme** in Sri Lanka. In fact she represented India in Sri Lanka from 17th to 30th October 2013. Chandni Chatterjee also received **Pulin Behari Das Smriti Padak** of the University of Calcutta. She received the award from the hands of the Hon'ble Governor of West Bengal, Sri K. R. Narayanan
 - The College Authority in association with its Students Union, organize cultural activities regularly. Celebrated performers in different cultural fields are invited. At the same time, the college students also perform in these cultural programmes.
 - The institute also encourages the students to participate in different competitions and events organized by other institutions/ organizations.
 - The students also participated in Prasar Bharati (Doordarshan) programmes and bagged prize.
 - The college has a separate Competence Building Cell, which helps in identification, screening and guidance of students for participation in different events and competitions as well.
 - During last few years, college is involved in organizing a seminar lecture competition of the students. This has been introduced with a view to enable our students to become stage free and also to gather efficiency in public speaking. As the consequence of such initiatives our students came out in flying colours in several competitions. They made commendable performance in poster competitions, science model competition, team work like Youth Parliament competition, Quiz competition, extempore and/or essay competitions.

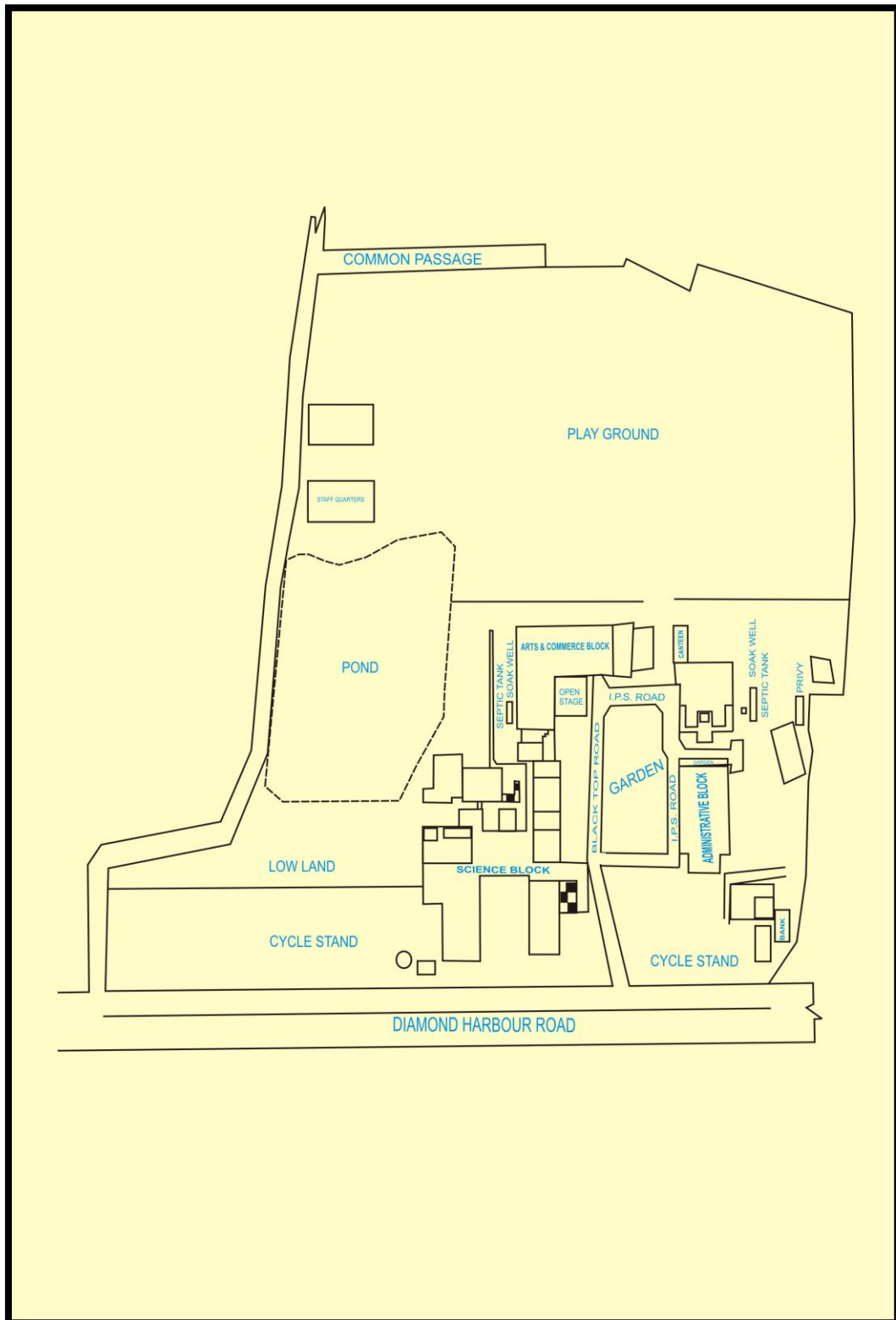
- The NSS unit basically takes care of the health programmes in college, which includes health check-up camps, maintenance of First aid facilities and training.
- In regard to the maintenance of hygiene, the college has set up treated drinking water sources at all the floors. The food served in the canteen is also healthy and the authority keeps a regular vigil on the same.
- All the toilets of the institute are cleaned regularly to maintain a healthy ambience of the college.

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).

The institute is having an array of different committees to look after infrastructural facilities available centrally. However, periodic academic committee meetings and review of activities by IQAC the use of departmental facilities are in line with the requirement. The specific areas those are being used to monitor the use and abuse of resources in the concerned departments are as follows:

- All the laboratory based departments are having stock keeping records separately for chemicals, glassware and equipment. The records are duly signed by the Head of the Department and countersigned by the Principal at certain intervals. Hence authority can keep close eyes on whether all the instruments are being used or not.
- There is a system of procuring students feedback time to time. These feedbacks indicate if there are any pitfalls in the access and use of

instruments available for the students at departmental level.



Master Plan of the Institution

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

In particular case of physically challenged students, the feedback system turns to be very effective in ensuring that all the facilities could be provided to them as far as practicable.

In 2013 - 14, the college has built up ramps in front of every building to facilitate the movement of the physically challenged students.

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

- **Hostel Facility - Accommodation available:**
The college has no hostel facility.
- **Recreational facilities, gymnasium, yoga center, etc.** There is a students' common room comprising huge sport materials including table tennis board, carom board etc. There are similar facilities in the girls' common room as well.

The college is planning to introduce a gymnasium in the college premises.

The college invites experts to train the teachers and students. For example, such a programme took place on 7th Oct. 2015. Dr. Dibyasundar Das, Vice President, Yoga and Naturopathy Council, Govt. of West Bengal, along with his students participated in the programme. Recently, the college has introduced a Yoga centre for training the students.

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?

The college does not have any particular health care unit for the staff and students. But, the First Aid are made available for them in campus and in case of serious injury or health issues immediate hospitalizations are done at the

nearest health care units, two of such types are situated within one kilometers. The facilities available are as follows:

- There are First Aid boxes available in campus equipped with simple medicines, disinfectants, gauge, bandage materials, and equipments like scissors, forceps etc. The maintenance of the boxes are done by NSS unit of the college.
- There are stretchers available for proper handling of ill students and staff members to the ambulance of any vehicle.
- Some of the students got First Aid Training by NSS authority.
- The NSS unit organizes health check-up camps intermittently, which includes Health camps for general check-up, ECG, Blood glucose testing, eye testing etc.

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, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

- The college has an IQAC, which is actively engaged in several development works and quality improvement of the institution. The IQAC along with the Academic Sub Committee endeavours for academic improvement of the institution. The Cell also helps the authority by offering suggestions regarding building development and other facilities for the stakeholders.
- The college has an active Women's Cell, which looks after the problems of female staff and students, if any such problem crops up. The cell also organizes awareness programmes in collaboration with other organizations.
- The college has a Training and Job Placement

Cell, which arranges campus interviews time to time in accordance with the requisition of several companies. During last two years companies of repute like **Cognizant, Wipro, Tata Consultancy Services(TCS), Indian Tobacco Company, HCL, Dabur** etc. arranged campus interviews in our college. The college is also running a Career Development Center for Job Oriented Training in collaboration with TCS.

- There is no regular health center in the college, but the NSS unit of the college occasionally organizes health checkup programme for the students.
- There is a spacious canteen within the college campus. There are two separate places for staff and the students. The canteen provides food at a subsidized rate.
- There are two spacious common rooms for male and female students. In both the rooms recreational facilities are available, which include carom boards, table tennis board, television etc. The college has a plan to open a gymnasium for the students.

The college provides safe drinking water facilities for the students and the staff by installing water purifiers in several places.

The college has built up a large auditorium with an approximate seating capacity of 400, thanks to MPLAD fund. The college also has an air conditioned seminar lecture hall, which can accommodate about 150 listeners.

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?

- There exists a library committee, which comprises the Principal, Bursar, Librarian and some other teacher members. The activity of this committee varies from recommendation of the purchase of books proposed by different departments during the beginning of the session or the change in curriculum of the university. It was at the initiative of this committee, the college enlisted itself to NLIST. Another suggestion of this committee was to implement the OPAC system. Students have been given facility to an Open Access Reading Room with Five thousand plus books.
- College has a well-designed web based portal through which students can search the availability of books in the library.
- In addition to that, college is providing the students access to N-LIST where student can access the full text of 80000+ books and Journals free of cost. To facilitate and motivate the students for using the E-library facility library has an exclusive E-library browsing Center comprising 6 computers with high speed internet facility.

4.2.2 Provide details of the following:

- * Total area of the library (in Sq. Mts.):
1200
- * Total seating capacity:100
- * Working hours (on working days, on holidays, before examination days, during examination days, during vacation): 7.00 A. M. to 5.30 P.M. on

working days. During the summer recess the library remains open from 10.00 A. M. to 5.00 P.M.

- * Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources): There is a large reading room with about 100 sitting capacity. The library has an exclusive E-library browsing Center comprising 6 computers with high speed internet facility.

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.

Purchase of new books, journals etc.:

Library items	2011-12		2012-13		2013-14		2014-15	
	Number added	Total Cost(Rs.)	Number added	Total Cost(Rs.)	Number added	Total Cost(Rs.)	Number added	Total Cost(Rs.)
Text books	217	120,866.00	36	4695.00	980	230186.00	398	141163.00
Reference Books	--				308	80263.00		
Journals/ Periodicals	--							
e-resources	--						NLIST	
Any other (specify)								

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

- * OPAC: Yes
- * Electronic Resource Management package for e-journals: NLIST.
- * Federated searching tools to search articles in multiple databases: College has a well-designed web based portal through which students can search the availability of

books in the library.

- * Library Website: The college website is linked with library.
- * In-house/remote access to e-publications: Through N-LIST the students can access the full text of 80000+ books and Journals free of cost.
- * Library automation: Ongoing project.
- * Total number of computers for public access: 06
- * Total numbers of printers for public access: 01
- * Internet band width/speed: 100 Mbps .
- * Institutional Repository: Future plan
- * Content management system for e-learning: Future plan
- * Participation in Resource sharing networks/consortia (like Inflibnet): Inflibnet, Linkage with USIS and British Council Library.

4.2.5 Provide details on the following items:

- * Average number of walk-ins: 250/day in full session
- * Average number of books issued/returned: 100 (approximately)
- * Ratio of library books to students enrolled: 8:1.
- * Average number of books added during last three years: 448
- * Average number of login to opac (OPAC): 2699(From 19/06/2015 to 21/11/2015)
- * Average number of login to e-resources: Data not available.
- * Average number of e-resources downloaded/printed: Data not available.
- * Number of information literacy trainings organized: 01

* **Details of “weeding out” of books and other materials:** The College used to run Higher Secondary Courses up to 2003. In that particular year in compliance with the government instruction, the college had to discontinue the course. The college library had a large number of books for Higher Secondary Course. Ultimately the college helped the local schools by giving them those books. Furthermore, college has set aside a large number of damaged books, which do not fit the requirements of the current students. The system of weeding out of books is a continuing process. In time of changing of curriculum, the librarian in consultation with the teachers of concerned departments weed out the non - required books and other materials.

4.2.6 Give details of the specialized services provided by the library

- * **Manuscripts:** 05.
- * **Reference:** 10000.
- * **Reprography:** 01.
- * **ILL (Inter Library Loan Service):** NA
- * **Information deployment and notification:**
The Principal in assistance with the Librarian serves notices comprising all information about the library.
- * **Download:** Yes
- * **Printing:** Yes
- * **Reading list/ Bibliography compilation:**
On request/ On demand.
- * **In-house/remote access to e-resources:**
NLIST
- * **User Orientation and awareness:** The college has published a booklet named, **Know Your Library.**
- * **Assistance in searching Databases:** The college has setup an e-library browsing

Center comprising 6 computers with high speed internet facility.

- * **INFLIBNET/IUC facilities:** The college has arranged for students' access to N-LIST, where the students can access the full text of 80000+ books and Journals free of cost.

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

A band of dedicated library workers are the source of the strength of the library. The library has an Assistant Librarian and a part-time librarian, a few non-teaching staff, who continuously cater to the requirements of the students and the teaching staff.

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

The college has a plan to look after the necessity of the visually/ physically challenged person.

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?)

Yes. The library employees capitalize the suggestions of the users for further improvement of its service.

4.3 IT Infrastructure

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

- **Number of computers with Configuration (provide actual number with exact configuration of each available system):**
72(10 with 2GHz processor, 1 GB RAM; 19 with 1 GHz processor, 1GB RAM; 13 with 2 GHz processor, 1 GB RAM;43 with 800MHz processor, 1 GB RAM)

- **Computer-student ratio:**1:40.
- **Stand alone facility:** All the computers are having stand alone facility.
- **LAN facility:** The computers of the day office, morning office, accounts section and bursar's office have been connected to the Pricipal's computer through LAN.
- **Wifi facility:** The college has Wifi facility in the Administrative building, departments of journalism, computer science, physics, mathematics, electronics staff room & library.
- **Licensed software:** All the computers of the college use licensed software.
- **Number of nodes/ computers with Internet facility:** 50

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

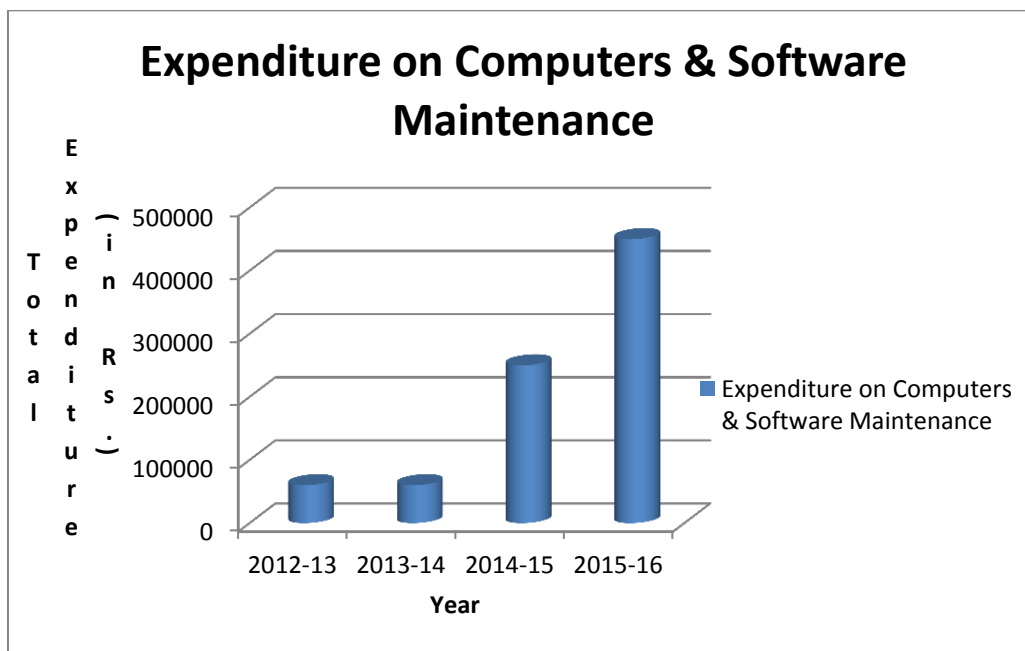
Different science departments including Physics, Chemistry, Mathematics, Zoology, Botany, Computer Science, Environmental Science, Biochemistry, Electronics have got their own internet facility. Apart from these, departments of Commerce and Journalism enjoy such facility. There are 2 computers with browsing facility in a small room adjacent to the Teachers' room. The teachers of humanities use those computers. There is also a Wifi facility in the college campus and everyone including the students can avail themselves of the opportunity.

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

- The college has a plan to upgrade the library with an automated software to enable the stake holders to have remote access to the library.
- To upgrade the data management software in the college offices (both day and morning).
- To upgrade the software used in conducting the university examinations.

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)

Year	Expenditure on Computer Procurement and Software Development (in Rs.)	Expenditure on Computer and Software Maintenance (In Rs.)
2012-13	400000/-	60000/-
2013-14	500000/-	60000/-
2014-15	500000/-	250000/-
2015-16	800000/-	450000/-



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?

The college has 2 smart classes equipped with LCD projector. Recently LCD projectors have been installed in the Departments of Physics and Zoology. Apart from these, the Seminar Hall i.e. Vivekananda Sabhagriha also has the LCD projector facility. Eminent scholars and scientists coming from other institutions enrich the students by using ICT facility available in the Seminar Hall.

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.

The college organizes an innovative Students' Seminar Lecture Competition, in which they are free to choose their topic. The specific purpose of this exercise is to help them express their views and thoughts on that particular topic with the help of ICT. Through this process, a particular student acts as a facilitator for his/her fellow mates as well the teachers of the department. This process helps all of them to expand the horizon of their knowledge and thought.

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?

No

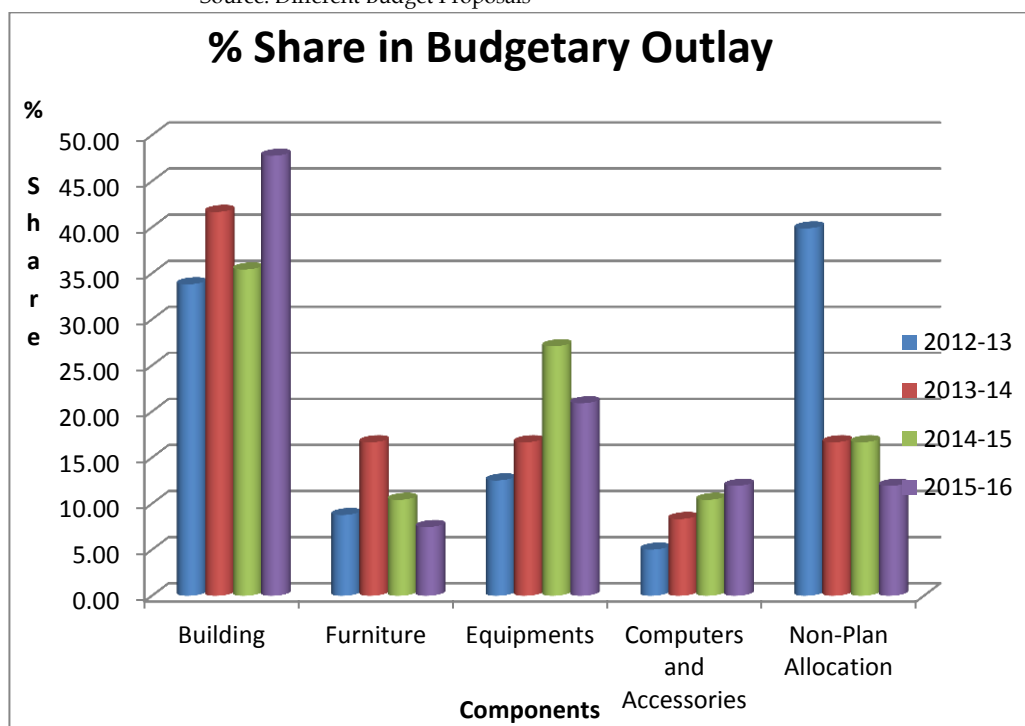
4.4 Maintenance of Campus Facilities

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)?

(in '000 Rs.)

Components	2012-13	2013-14	2014-15	2015-16
Building	2700	2500	1700	3200
Furniture	700	1000	500	500
Equipment	1000	1000	1300	1400
Computers	400	500	500	800
Non-Plan outlay	3184	1000	800	800

Source: Different Budget Proposals



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

- There is a Building Sub-Committee for construction and maintenance of physical infrastructure (buildings, water supply, and power supply) of the institution. The Principal conveys meeting of the committee for future course of action in this regard. The IQAC also places suggestions regarding new

construction and maintenance in the campus, in the interest of the stakeholders.

- There is a full time government appointed night guard. In addition to that a college appointed caretaker has been employed. An electrician has also been engaged by the college. Apart from them, the college has signed a contract with a security agency company, which has taken the responsibility to maintain security and cleanliness of the institution.
- The college has got two generators, one each for academic and administrative building.
- The maintenance of computers is looked after by agencies under 'Annual Maintenance Contract' (AMC). The scientific equipment are maintained and repaired by the manufacturers.
- The bathrooms and toilets are maintained by an external agency, which is paid by the college in accordance with the contract.

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

The Principal along with the convener, Academic Sub Committee and the bursar periodically meets the heads of the science departments and take a report from them regarding the conditions of the equipment/instruments. At the end of each session, the heads of the departments place requisition for repairing and calibration of the instruments/equipment. The authority accordingly invites online tender/contract from the companies for calibration to make the laboratories suitable for the new session.

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 electrical grounding system of the college is meticulously maintained to prevent the problem of voltage fluctuation. At the same time, the college has entered into Annual Maintenance Contract (AMC) with several companies for maintenance of sensitive equipment as well as for uninterrupted supply of drinking water.

CRITERION V

STUDENT SUPPORT AND PROGRESSION



Girl participants in Annual Sports

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 institution publishes an exhaustive and elaborate prospectus every year. It is a booklet given to each new entrant so as to make them acquainted with the campus, heritage, academic and extra- academic amenities provided by the college.

- The prospectus begins with a brief historical sketch mentioning the founders of the college. It also highlights the achievements of the eminent personalities, who were associated with the college. The same section mentions about extensive campus area of the college, which is about 6.17 acres.

- The Principal's Desk section refers to the mission and vision of the college. It also provides information about the achievements and performance of the college in the last one year.
- It presents a detailed guideline for programmes offered as well as the admission procedure, rules and regulations, class hours etc. of the institution.
- It also provides information about the amenities enjoyed by the students. This includes NCC, NSS, cheap store, college canteen, college library, college magazine, students' aid fund, different cells such as SC/ST/OBC cell, Woman's cell, Competence Building Cell, Research Guidance Cell, Cultural Cell, Photography Cell etc.
- Finally it gives an outline of the college administration. The prospectus also deals with the faculty structure, their performance in the field of teaching and research and the achievements of individual departments. The names and designation of the non-teaching staff also find a place in the booklet.

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

Year	Type	Number	Amount
2011 - 2012	Institution	347	173674.00
	Government	485	1821410.00
2012 - 2013	Institution	341	170700.00
	Government	648	2318560.00
2013 - 2014 *	Institution	339	169680.00
2014 - 2015 *	Institution	361	180500.00

*From the financial year 2013 -14, the financial assistance from the West Bengal Government to the students (e.g. SC, ST, OBC, minority stipends & merit

scholarships) directly goes to the students' individual bank account.

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

All eligible candidates receive such financial assistance from several agencies. About 40% of the entire students enjoy financial assistance from different agencies.

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"**
- ✓ **Exposures of students to other institution of higher learning/ corporate/business house etc.**
- ✓ **Publication of student magazines**

There are several schemes related to student support/facilities provided by the authority. The institution in time of chalking out any programme gives the students coming from socially and economically deprived sections foremost priority

- The assigned percentage of seat are kept reserved for SC/ST/OBC/PH in all courses as per WB government rules.
- An SC/ST/OBC cell exists in our college, which caters to the members of backward community.
- The college also has a Students' Aid Fund in order to extend financial help to the economically backward students.

- The teachers of several departments take special care for teaching the physically challenged students. The college has constructed ramps at the entry point of each building for physically challenged persons.
- The students' union of the college organized Swamiji Cup Football tournament with local schools.
- The college also participates in various competitions such as table tennis tournament, football tournament, cricket tournament organized by Calcutta University and basket ball tournament organized by National Basket Ball Association.
- The college provides Students' Safety Insurance Scheme under New India Assurance Company Limited. Benefits include coverage of insurance against accidents.
- The college has a computer center, run in collaboration with the Institute of Computer Engineers. The computer education programme has been adopted to give computer training to the students. The certificate issued by the institution is recognized by the Directorate of Employment, Government of West Bengal.
- The teachers of the college take special care by attending remedial classes for the improvement of the slow learners. There is a secluded place in the library, where the teachers negotiate with the slow learners.
- The college also provides Post Graduate (M.A, M.Sc., M.Com.) courses of Vidyasagar University under distance learning mode.
- The college magazine SPHULINGA is published by the Students' Union every year under the supervision of Dr. Sutapa Bhattacharya. Every student is entitled to get a copy of the magazine.

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 does not only provide infrastructure for day to day routine classes, but also organize different programs from time to time to facilitate entrepreneurial skill

- The Department of Physics and Computer Science organized the National Robotics Championship 2015, in association with ARK Techsolutions and IIT Bombay. The students had an experience of first hand learning to operate robots by designing different programs.
- The Department of Commerce organized an Investor Awareness Camp with ICSI, sponsored by Ministry of Corporate Affairs.

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.

The college authority along with the Students' Union (statutory body) organize various activities to promote participation of the students in extracurricular and co-curricular activities

- Organize Annual Sports and Inter - Class tournaments(Football, Cricket, Table Tennis, Chess etc.) followed by a colourful prize distribution ceremony.
- Participate in Football, Basketball and Cricket tournaments organized by Univeristy of Calcutta, National Basketball Association and Cricket Association of Bengal.
- Observe different occasions like Children's Day, Teachers' Day, Birth and Death anniversary of Kabiguru Rabindranath Tagore, Birthday of Swami Vivekananda, Maulana Abul Kalam Azad, Netaji Subhas Chandra Bose, Sardar BallavBhai Patel, etc.
- Organize AGOMONI (Freshers' Welcome) at Tapan Theatre.
- Organize PRAYAS (Annual Social Function) at

Nazrul Manch.

- The institution encourages the students to participate in the debate, quiz and essay competitions organized by the outside agencies. A large number of students take part in such competitions.
- College follows a unique practice of holding seminar lecture competitions of the students. The entire programme is divided into four parts – students of humanities, commerce, physical science and biological science participate in separately organized competitions. The best speakers are rewarded by the college.

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.

Although many of the alumni do qualify UGC – CSIR NET, SLET at regular basis, but our college does not provide any such support / guidance in this regard.

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

There are different cells, which takes care of the academic, personal, career, psycho-social needs of the students

- SC/ST/OBC cell looks after different welfare schemes introduced by the government and points out any lacunae, if there, to the authority. It also gives suggestions to the students belonging to SC/ST/OBC.
- Women's Cell takes care for the female students of the college and tries to settle any trivial problem faced by them. The cell also takes initiative to augment the awareness of the girl students. E.g. in 2011 -12, the Women's Cell of the college in collaboration with Behala NABA

PRAYAS, an NGO organized a programme on 'Awareness and Prevention of the Birth of Physically or Mentally Challenged Children'. In 2012 - 13, the cell in collaboration with The CIPLA Limited, organized an Awareness programme for female students. Noted Gynecologist, Dr. Chandra Mukherjee gave an instructive speech to the students.

- Competance Building Cell looks after enhancing competence of both the students and the teachers. In June 2015, the cell along with IQAC organized a week long workshop on Soft Skill Development and Stress Management in collaboration with Jadavpur University.
- Cultural Cell actively organizes cultural programmes of both teachers and students. In the auspicious occasions, a large number of students stage cultural performance under the guidance of the cell.
- The Research Guidance Cell instills interest among the students for research. The cell encourages the students to develop research interest and accordingly the students submit their projects under the guidance of the teachers. The detailed reports of the projects completed under the Research Guidance Cell are displayed in the AQAR of last four years.

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 has a Training & Job Placement Cell, which arranges for Campus interview as per the requisition of various companies. In the last few years many renowned companies like, Cognizant, Wipro, Tata Consultancy,

Indian Tobacco Company, HCL, Dabur etc conducted interviews in our college. The college is also running a Career Development Centre for Job - Ready Training in collaboration with a professional organization, TCS.

- The department of Commerce in collaboration with the Career and Counseling Cell launched a Career Awareness Camp in which experts from WEBEL were invited to speak to the students.
- The department of Commerce organized a Career Assistance Programme in collaboration with WIPRO.
- The college held a workshop on Company Secretariship in collaboration with the Institute of Company Secretaries of India.

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.

Student Grievance Redressal Cell is very much active in our college. Students are free to lodge any complaint or grievance to this cell directly to the Principal or using a drop box. The names of the complainants are kept in strict confidence. No such grievances have been reported in the last four years.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

A Women's Cell is well in place, which is run by teachers and non - teaching employees. Moreover, there is an Internal Complaint Cell, formed under the Visakha Guidelines, prescribed by the Hon'ble Supreme Court. The members of this cell always keep a strong vigil on the various problems faced by the female teachers and students of our college.

5.1.12 Is there any anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

There exists no such anti-ragging committee, as not a single complaint has been received by the authority.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

The college offers various scholarships /stipends granted by several organizations and make them available to the needy students.

- Schedule Caste & Schedule Tribe scholarship granted by the Director of Schedule Caste & Schedule Tribe Welfare, Government of West Bengal.
- Minority students and the wards of Bidi Shramik (Bidi Manufacturers) are granted stipend by the Government of West Bengal.
- The Government of West Bengal has introduced a unique scheme named, Kanyashree Prakalpa, which is meant for giving financial assistance to the unmarried girl students. It is worth mentioning, the college stood second in promoting the scheme.

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?

No, the college does not have a registered Alumni Association. However, Departments of Economics, Botany and Environmental Science organize annual meet of the alumni of their respective department.

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.**

The data of the last three years is not available. However, in the academic year (2014 - 2015), about 60 % of the honours students got themselves admitted to PG courses in different universities.

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.

YEAR	BA		BSc		BCom	
	Gen	Hons	Gen	Hons	Gen	Hons
2012	76.9	99.5	86.2	97.8	87.7	96.2
2013	53.6	96.9	74.2	96.5	68.6	95.8
2014	47.2	99.5	74.4	98.3	39.5	66.9
2015	35.2	98.6	82.4	98.6	38.0	56.3

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The institution keeps its students constantly aware of the different programmes/ schemes available at the higher level.

- The college has very recently received permission to introduce P.G. Courses affiliated to the Calcutta University in History and Bengali. The college has a plan to open Post Graduate courses in those subjects in the next session i.e.2015 - 2016.
- Pamphlets and placards for Masters level of different institute of national/international level are attached on the departmental as well as central notice boards.
- Students are provided with the question papers of entrance test of the previous years to acquaint them with the level of preparation.
- Students are helped by the teachers at individual level to sort out the questions. e.g. JAM conducted by the IITs.
- The teachers of several departments supply information to the students for scope at higher

levels of studies.

- The college has a Training & Job Placement Cell, which arranges Campus interviews as per the requisition of various companies.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

The college adopts different measures to support the laggards

- Special care is taken by the teacher of different departments about the problems of students outside the classroom. Particularly, the laggards are benefitted by the practice. In the library, there is secluded place, where the teachers give advice and suggestions to the slow learners.
- The college maintains a detailed academic record of the Mid - Term and Annual Test Examinations and accordingly, the teachers take necessary steps to ensure the smooth functioning of this system.
- The results of the afore-said examinations are displayed on the respective notice boards of various departments duly signed by the Heads of the Departments.
- The college also maintains a department wise attendance record of the students.
- A large number of students come from economically backward sections of rural areas. Sometimes they do not want to continue their studies in the college owing to abject poverty. The college maintains a Students' Aid Fund, which helps the poor students. Furthermore, the Principal also uses his discretionary power to help the poverty stricken students financially.

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.

The college undertook the responsibility to assist the Education Directorate, Government of West Bengal in organising the Inter College State Sports & Games Championship. The sports meet started on 20th March 2014 and continued up to 27th March 2014 at Vivekananda Yuba Bharati Krirangan and SAI complex, Salt Lake. The programme was a grand success and participants coming from all the districts of West Bengal highly appreciated the college as a host. Even the Govt. of West Bengal hailed the college performance in this regard. The college with the help of Students' Union organized a range of programmes in sports, cultural and other extra-curricular activities.

- Organized Annual Sports and Inter - Class tournaments (Football, Cricket, Table Tennis, Chess etc.) followed by a colourful prize distribution ceremony.
- Participated in Football, Basketball and Cricket tournaments organized by Univeristy of Calcutta, National Basketball Association and Cricket Association of Bengal.
- Observed different occasions like Children's Day, Teachers' Day, Birth and Death anniversary of Kabiguru Rabindranath tagore, Birthday of Swami Vivekananda, Maulana Abul Kalam Azad, Netaji Subhas Chandra Bose and Saradar Ballavbhai Patel etc.
- Organized AGOMONI (Freshers' Welcome) at Tapan Theatre.
- Organized PRAYAS (Annual Social Function) at Nazrul Manch.

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.

- Srijita Bhowmick participated in the Calcutta University team in the women's Basket Ball Tournament organized by the Banaras Hindu University in 2015.

- Bappaditya Majumder participated in the district Table Tennis Championship in 2013.
- The college Football team became Runners-up in the inter college Football Tournament organized by the Government of West Bengal in 2014.
- In the same year the College Football Team became Runners-up in the Inter College Football Tournament organized by the Calcutta University.
- Raju Majumder participated in the Calcutta University team in the Men's Basket Ball Tournament organized by the Banaras Hindu University in 2015.
- Sayan Bose became the Runner-up in Chess Competition organized by Amity University, UP, in 2014.
- College Basket Ball Team (Girls) secured 3rd Position in Indian College Basket Ball League in 2014.
- College Basket Ball Team (Boys) became champion in Indian College Basket Ball League in 2015.
- College Basket Ball Team (Boys) became Runners-up in the Basket Ball Tournament organized by Gurukul 2014.
- College Basket Ball Team (Boys) became Champion in a tournament organized by Marine Engineering College in 2015.
- College Basket Ball Team (Girls) became Runners-up in a tournament organized by Marine Engineering College in 2015.
- Punam Chakraborty stood 1st in Dance Competition organized by Youth Welfare Department, Govt. of West Bengal in 2011.
- The same student secured 2nd prize in Nazrul Geeti competition organized by Youth Welfare Department, Govt. of West Bengal in 2012.
- She also stood 1st in the extempore competition

in Bibek Chetana Utsab , organized by Youth Welfare Department, Govt. of West Bengal in 2014.

- Arpita Sardar stood 1st in Rabindra Sangeet in Bibek Chetana Utsab , organized by Youth Welfare Department, Govt. of West Bengal in 2014.
- The same students stood 1st in Atul Prasadi /Rajani Kanta songs organized by the Youth Welfare Department, Govt. of West Bengal in 2012.
- Moumita Basu secured 2nd position in an Essay Competition organized by the Department of Parliamentary Affairs, Govt. of West Bengal in 2014.
- Saumyadeep Dutta's short film was selected for screening by Short Film Makers Association of Eastern India in 2015.
- Chandni Chatterjee participated as an NCC cadet in Youth Exchange Programme at Sri Lanka in fact, she represented India in October, 2013.
- The same students also received Pulin Bihari Das Smriti Padak of Calcutta University from the Honorable Governor of West Bengal, Sri. K.R. Narayanan.

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 believes in the process of continuous improvement in performance of the faculties and infrastructure by obtaining feedback from the students. Hence the college provides a self- designed feedback form.

- Students of each year are given the feedback form at the end of their session. They are free to provide the feedback without any hesitation.
- The Academic Sub Committee along with the IQAC, arranges a meeting with the faculties

every year, at the beginning of the session, to discuss the measures required for an overall improvement of the institution. Here the teachers are free to provide suggestions, which are recorded in the meeting book. These suggestions are implemented in the following session.

- The parents of the slow learners and absentees are called to discuss the problem of their wards. In the case of negligence on students' part, a written undertaking for regular attendance is taken from the students, countersigned by their parents.
- The Governing Body (GB), which happens to be the apex policy making body of the college, gives valuable suggestions for effective functioning of the college. The Principal is the Ex- Officio Secretary of the GB. He exercises his power to execute the decisions of the GB. Outsiders, teacher representatives, representatives of the non-teaching employees along with the Principal try to formulate certain norms, the basis of which is the Statute of the Calcutta University.

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 always extends its support to the students to help them manifest their covert talent in different fields and encourages them to publish in varied form.

- The Students' Union with the help of the senior teachers publishes College Magazine. Both the students and teachers contribute to the magazine.
- The college has an active Photography Cell,

which exhibits photographs taken by both students and teachers. The Photography Cell also organizes a Photography Competition of the students. The best photographers are awarded by the college.

- The college also has a Research Guidance Cell. This cell is meant for developing research aptitude of the students.
- Wall Posters are often published by the Human Rights and Women's Studies departments. The motto of the venture is to increase awareness of the students on Human Rights and Gender issues.
- In the Teachers' Day i.e. on 5th September every year, the Department of History publishes a wall magazine called ANWESHA. This magazine is inaugurated by the Principal of the college.
- The Students' Union of the college also organizes a Wall Magazine competition every year.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The college has an elected Students' Union (S.U.), which is a statutory body. The college has framed a constitution of the S.U. and the election of the S. U. is held in adherence to the constitution. The Principal of the college is the ex-officio president of the S. U. Apart from this there are several posts such as Vice President, General Secretary, Cultural Secretary, Game Secretary, Treasurer, Magazine Secretary, Students' welfare Secretary, Common Room Secretary (separately for Boys and Girls) etc. The General Secretary of the S. U. is a Governing Body member. The function of the S.U. is to assist the Principal in organizing annual sports, fresher's welcome, prize distribution ceremony and different cultural, social, extracurricular programmes throughout the year. There is a fund of the S.U. collected from the new entrants. In fact, the expenditure incurred on cultural activities & annual sports of the college are borne by the S.U. fund.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The General Secretary of the Students' Union is an ex-officio member of the Governing Body, which is the apex policy making body of the college. The other members of the Governing Body attribute much importance to the suggestions and views of the student member. The General Secretary of the Students' Union also functions as a member of the IQAC.

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.

The college generally uses the process of interdepartmental collaboration and occasional invitation of the former faculties to cope with the acute shortage of teachers and faculties in newly introduced departments.

- The department of Biochemistry utilized the faculties of Chemistry.
- The department of Electronics collaborated with the department of Computer Science and Physics for its Honours course.
- Former faculties of Mathematics and Zoology are often invited to deliver lectures in the department of Mathematics, Environmental Science and Zoology.

CRITERION VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT



President and Members of Governing Body of our College

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.?

The college tries to emulate the principles of the great visionary, Swami Vivekananda after whom the college is named. Tamaso Ma Jyotirgamaya - From darkness lead us to light, as the sage propounded, is the guiding spirit with which the college envisions its course of activities.

- The students of the college are encouraged to uphold the values of Swamiji and adopt them as their motivation in life. The college is dedicated to prepare them for the future not only in their quest for excellence in academics but also to mould them as truly good individuals.

- In recent years, college did not face any student unrest and not a single instance of turbulence in the student community can be remembered by the authority. This is a measure of the basic discipline that the college has successfully inculcated in the students.
- There is in all respects a unique bond between the teachers and the students where the interchange of thoughts, views and opinions regularly takes place within and without the classroom.
- The students are initiated into developing secular and progressive values to help them broaden their vision of life and society, to help them grow as good and responsible citizens.
- The students of the college come from all walks of life and the college takes the responsibility of making itself a seat of convergence where there is no discriminatory practice and every student feels himself or herself to be equally special not only to the teachers but to the whole college community in general.
- The college truly aspires to reach a very high standard in every way keeping no stones unturned while realising this mission.
- To ensure the proper execution of the duties that are essential for maintaining and improving the standard of the institution, some committees have been formed. The academic sub-committee takes extra care to ensure that the classes, exams, routines are in no way hampered as far as possible; the other committees too operate efficiently to ensure the smooth running of the institution.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The Governing Body (G.B.) is the highest authority and holds the top management of the institution. There are four elected teacher representatives and two representatives from non-teaching staff in the G.B. Two nominees from the University of Calcutta and two other from the Government of West Bengal are nominated into the G.B. Apart from them, the local Councilor, Kolkata Municipal Corporation and the General Secretary of the students' union are the ex-officio members of the G.B. The Principal of the college acts as the secretary to the G.B.

The Governing body, the Principal and the teachers take a keen interest in all the programmes, the college takes up for the improvement of the students. To meet the expectations of the students there are various programmes that have been implemented. For ensuring efficiency of the management and academic excellence of the institution as a whole, the G.B. formulates a coherent policy. The Principal with the help of the faculty members implement those decisions.

- The criterion of admission is formulated with the cooperation of the teachers and heads of the various departments.
- To facilitate the students with wider options the college has opened new subjects of study like Women Studies, Human Rights and Film Studies. In keeping with wider prospects for the students, subjects like Biochemistry, Computer Science, Electronics and Statistics have also been introduced.
- Engaging Part time and guest teachers where there is a dearth of faculty.
- Engaging the students in extracurricular activities like speech competition, sports, debates, etc.

- Arranging extra or remedial classes as and when required
- A Students' Aid Fund for students coming from economically weak background to which the teachers contribute regularly.
- A cheap canteen for the benefit of the students and the staff.
- A Computer Centre run by the Institute of Computer Engineers exists within the college to meet the requirements of both teachers and students. There is also a training programme at different levels for the students.
- A cheap store exists in the college premises for books, stationary goods and photocopy purposes.

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 Principal keeps a regular vigilance of all the activities in the campus and holds meetings regularly with the students and teachers to address any problematic issues. This has helped the college to avert any discordance in the functioning of the daily schedule and also restrained any situation from burgeoning into undesired proportions.

The college functions commendably with the cooperative spirit of the teachers, members of the non-teaching staff and also the students.

The teachers are involved in continuous interaction with the students. When situation arises, the teachers of several departments enter into a discussion with the parents of the students, who face certain problems, either academic or extra academic. In time of communicating any decision to the general students, the Principal conveys the decision to the leaders of the Students' Union.

The notice boards of the various departments display the modules to be followed by the various teachers together with the departmental routines. There is also an electronic notice board for intimating and informing important decisions of the institution.

The college keeps every record of students' performance most meticulously. After a thorough analysis and research of the data available to the college, the college authorities take subsequent steps in the spheres of academic and administrative matters. Sometimes, the Principal along with the senior members of the teaching staff make consultations with the Students' Union representatives. Such consultations and negotiations help to evolve new policy and planning. Moreover, the Principal tries to break any impasse, if occurs, through discussions and negotiations.

Excellence in any sphere gets topmost priority in the institution. The college authorities continuously encourage the students to excel themselves not only in the sphere of academics, but also in sports and cultural activities. The relentless endeavor on behalf of the institution for reinforcing the culture of excellence has produced extraordinary results. The performance of the college is commendable not only in academic achievements, but also in the fields of sports and culture.

In keeping with the growing demands of the students of the locality as well as students coming from distant areas, the college has to make some organizational changes, particularly in enhancing the number of classrooms, upgrading the laboratories and improvement of the library. In fact under the strong recommendation of the Governing

Body, the Principal with the help of the IQAC brings about such organizational changes. In fact, the leadership of the Principal in particular, and senior teachers in general, play a pivotal role in bringing out organizational changes.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

Various seminars and talks are arranged to expose the students to the new avenues opening up in their subjects. Experts from other institutions are invited to deliver lecture to the students to make them aware of the new development and research in their respective subjects.

The teachers attend various Orientation and Refresher courses for their individual up gradation and to keep abreast of the new perceptions in different fields of knowledge.

The management has provided internet access to the teachers by setting up computer facilities and this has benefitted them in a large way.

The classrooms have been provided with green or white boards.

The central library is being digitized for better acquisition of books. Some departments also run departmental libraries.

The management takes every step to help the departments by looking into their requirements. The departments every year are asked to produce a list of books and the management arranges for the purchase of these books depending on their availability.

The management also looks after the improvement of the conditions of the laboratories of various departments by providing them with necessary equipment and apparatus from time to time.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

In fact, the Academic activities of the college are monitored by the Governing Body, IQAC and the Academic Sub Committee. The Principal takes the leadership to coordinate with all the three bodies. All the bodies have representatives from the faculty members. The Governing Body makes certain recommendations on Academic matters. The IQAC and Academic Sub Committee under the leadership of the Principal execute those recommendations.

There is also a Teachers' Council and a Secretary who shoulders the responsibility of looking into the needs of the teacher and informing the authorities about them. Moreover, the Teachers' Council thoroughly discusses the Academic matters in its periodic meetings. The Teachers' Council also recommends the names of the teachers, responsible for admission and university examinations.

The Academic Sub-committee along with the IQAC deals with the regular functioning of classes, exams, routines, etc. The Convener, Academic Sub Committee, shoulders the responsibility of distributing routines to the Heads of the departments, at the beginning of each session. He is also entrusted with the duty of collecting question papers and marks obtained by the students from respective Heads of the Departments in time of internal examinations.

6.1.6 How does the college groom leadership at various levels?

The management also disburses various responsibilities among the teachers and the students. The library, canteen, games and sports, college magazine, journals, etc. are all looked after by the nominated teachers and also students, this prepares the students for the future and trains them to take up projects later.

The college encourages cultural activities among the students. The annual fest is "PRERONA" and the enthusiasm amongst the students to showcase their talents is proof enough to register it as successful.

In academics too, seminar lecture competitions are held for the various disciplines. All the departments hold an initial round from where two participants from each department are selected for the final round. The students have a free choice of the topic on which they wish to speak provided it is academics oriented.

To encourage fair competition the Annual Prize distribution ceremony is held and all toppers from various departments are awarded. This promotes the zeal to excel among the students.

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 authority believes in the principle of decentralization. The departments are provided fullest autonomy and the Head of the Departments along with his/her departmental colleagues enjoy full freedom in determining the activities of the department.

The departmental teachers hold periodic meetings regarding the functioning of the department including assessment, evaluation and students' performance. The authority does never intervene in the departmental activities, so long the departments proceed with accepted norms laid down by the institution

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

Almost every major decision regarding the welfare of the college is taken after involving all the teachers of the college. The teachers of various departments speak about their problems and requirements and after a full-fledged discussion the policies are framed. The students are also in regular interaction with the teachers as well as authorities and as a result any discrepancy in the regular functioning of the college is nipped in the bud. The Governing Body is formed by representations from all quarters of the college

which ensures a pragmatic solution to the various issues and unanimity in the new decisions made, safeguarding the interests of teachers, non-teachers and students.

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?

As the college is dedicated to the enhancement of the teachings of Swami Vivekananda, it believes "Education is the manifestation of perfection already in man". As an educational institute the primary objective of the college is to ensure high standard of academic achievement.

Every year a meeting of the Teachers' Council is held to decide the admission criterion for various departments.

The college follows a unique method while preparing the admission list. The marks of the subject in which the candidate wishes to pursue honours course is added to the total of the top four subjects, which then becomes the norm total. It is on this basis that the final list is prepared. Transparency is rigorously maintained in the admission process. The college is one of the first to extend online admission facility which has helped many candidates applying from afar.

The students are given a comprehensive idea about their course of study by the teachers and informed about the provisions like computer, library, etc., the college has, to help them in their study.

To make an internal assessment of their academic progress, class tests, mid-term tests and annual test examinations are held and the students are apprised of their shortcomings and the necessary steps to be taken for improvement.

A regular review of attendance of the students is made and any delinquency is dealt with by involving the guardians of the students and working out a way to bring him/her back to the classroom. This has proved to be an extremely fruitful

measure and the response of the guardians has been overwhelming.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The institute is constantly striving for further improvement to widen the perspective of involvement of the students.

They are involved in research projects under the guidance of teachers, under the supervision of Research Guidance Cell.

The seminar lecture competition helps the students to articulate their ideas and views.

The Annual sports are held with a lot of involvement both from students and teachers.

To increase the involvement of the students and also imbue a sense of belongingness they are inspired to take up the task of cleaning the campus by turns and this practice has been highly successful.

6.2.3 Describe the internal organizational structure and decision making processes.

The college has a Governing Body, a Teachers' Council, an Academic Sub-Committee, an IQAC team, a Finance Sub-Committee, Women's Cell, etc. All these bodies are actively supportive about the functioning well of the college.

The Governing Body (G.B.) of the college is the supreme decision making body and the Principal as the Secretary of the G.B. implements the decisions. The recommendations of the Teachers' Council and the Academic Sub - Committee are ratified by the G.B. The Principal accordingly executes them.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

Chalk and board is the dominant teaching practice. The college has equipped itself with upgraded modes of teaching by introducing white boards, projectors, computers, cameras, etc. which are used by the teachers generously as and when required. There are also two smart classes.

Seminars are arranged by various departments to orient the students with newer findings and better understanding of their subjects.

Apart from the teaching and learning methods adopted by our faculty members, different departments invite distinguished teachers and eminent personalities.

Different departments have organised seminars and symposia with a view to enrich the students.

The college has built Sushruta Udyan, a medicinal plant garden within the college premises. The garden has been named after the doyen of Indian medical sciences in ancient India, Sushruta.

Every year the Environmental Science Department observes the Earth day and Prof. Pranabesh Sanyal, noted Environmentalist, graced the occasion as the chief speaker.

A seminar on proper utilization of water was held by the Department of Environmental Science. The seminar was organised with the intention of proper conservation of water even with in the college campus

The Human Rights department in collaboration with the department of History organised 'Human Rights Day'

every year. The programme is followed by a seminar on Human Rights.

The Department of Bengali organised a state level seminar on 'Madhyajuger Samaj, Sahityo O Sanskriti: Baisnav Bhabana'.

The Department of Economics in collaboration with Livelihood School, Hyderabad, organised a national seminar on Microfinance and Development.

The college hosted the Annual Conference of Paschim Banga Itihas Samsad in January 2012. A large number of delegates attended the conference. Presence of historians of international repute graced the occasion.

The department of film studies conducted a seminar on the Place of Bengali Cinema in context of Indian Cinema. The key speaker was Prof. Partha Raha, Member, UG Board of Studies in Film Studies, CU.

The college observed World Book Day and the presence of Dr. Subarna Kumar Das, Jadavpur University, Dr. Biplab Loho Chowdhury, Visva Bharati University, Smt. Moumita Chowdhury, Rastraguru Surendranath College graced the occasion.

The department of Zoology organised UGC sponsored seminar on Swami Vivekananda: A spiritual Scientist. Swami Suparnananda, Secretary, Ramkrishna Mission Institute of Culture and Dr. Somnath Bhattacharya were the key speakers.

Like every year, the departments of Zoology and Botany organised the 43rd K. S. Rao Memorial Lecture, delivered by Sabyasachi Chakraborty, eminent actor, nature lover and wild life photographer of repute.

Besides classroom teaching and seminars or workshops, some of the departments took the students to excursions and educational tours, as part of their curriculum.

The students of the Zoology department visited Pench Tiger Reserve Forest in Maharashtra. The students of the department also visited The Nature Park and Calcutta Museum.

The students of the Botany department went for an excursion to the Sikkim Himalayas. It is also remarkable that the students with the help of the teachers of the department of Botany published a departmental wall magazine called BOTANICA.

The students of the department of History walled up a wall magazine, named ANWESHA.

The department of Journalism & Mass Communication organised a UGC sponsored National Conference on 'Tagore and Communication'. Dr. Arunima Banerjee, JNU and the noted poet Prof. Subodh Sarkar graced the occasion with their august presence.

The Department of Journalism & Mass Communication organised an International Seminar on the 'State of International Journalism'. Ms. Laura Ungar, a USA based Journalist and Mr. Sujoy Dhar of Washington Times delivered speeches in the seminar.

The Department of Philosophy organised a seminar on 'Error in Epistemic and Pragmatic Sphere'.

The Research Guidance Cell (RGC) takes immense interest in instilling research qualities among the students. Students of several departments, particularly the students of Botany, Economics, Journalism & Mass Communication, Philosophy and Environmental Science were engaged in preparing research projects under the active guidance of the departmental teachers.

The students are encouraged to take part in cultural and academic activities as well as in various types of sports. Moreover, writing skills, skill of eloquence and public speaking as well as verbal interaction with eminent academicians in the seminars are highly appreciated by the

College. Sri Sagnik Chakraborty, a student of department of English composed and directed a play Ami Shei Meye. Smt. Punam Chakraborty, a student, Department of English, participated in a cultural programme Sure O Chhande Mohisasur Mordini at the National library.

The teachers of the College are in constant touch with the students in exercising their academic duties. Their involvement is not only confined to University Curriculum, but they also encourage the students to take part in cultural and social activities and sports as well. The teachers are also the members of different academic and administrative committees and they come forward to help the administration in many ways. However, maintenance of a high academic standard gets priority over everything. Some of the teachers are engaged in extension activities in other institutions. Dr. Siddhartha Guha Ray, Department of History, is associated with examination works in Ramkrishna Mission, Belur Vidyamandir, an autonomous college. He also took PG classes in Rabindra Bharati University. Interactions with eminent academicians in the seminars are highly appreciated by the College.

The students of the Science faculty are occasionally taken to various industries for first-hand knowledge of their operations.

Department	Year	Place of Visit
Zoology	2011 2012 2014	West Bengal State Poultry Farm, Tollygunge.
Economics	2011	Tibetan Handicrafts Industry, Pelling, Sikkim.
Environmental Science	2012	Dankuni Coal Complex, Hooghly

Smt. Debasmita Chatterjee, Student of Environmental Science (2011) attended Industrial Training at Hindustan Copper Limited, Ghatsila, Jharkhand.

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?

The Principal as the head of the institution is entrusted with the overall responsibility of smooth functioning of the institution. Starting from academic activities extended up to extracurricular achievements of the institution, Principal holds the key to execution of the decisions taken by the Governing Body. The college has three pillars – teachers, non-teaching staff and students. The Principal takes necessary steps to accelerate the process of coordination among these three pillars.

To dispel any thought of complacency that may retard the journey towards excellence, the outgoing students are given feedback forms to share their experience and opinion about further scope of improvement both in academics and other fields as well.

There is a grievance cell and a complain box to help the students recover from any distressful situation. Their complaints are addressed with sympathy and care by the concerned teachers. The identity of the complainants, if any, is kept strictly confidential.

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 college authority is extremely munificent in extending cooperation to the teachers and students. The committees work in harmony and thus the college functions with zest and quest to excel in all spheres.

- The Principal of the college meets the teachers in the beginning of each session and give an

outline of the academic schedule to be followed throughout the session. The teachers also participate in the discussion for academic improvement.

- Similarly the Principal discusses administrative matters with the Bursar as well as with the members of non-teaching staff.
- The authority tries to encourage and motivate the staff for effective implementation of the decisions taken by the Governing Body.
- The Teachers' Council in its meeting decides on the modalities of admission after Higher Secondary results and the Principal executes the recommendations of the Teachers' Council.
- Before the university examinations, the Secretary, Teachers' Council convenes a meeting, in which, the names of the persons responsible for conducting the examinations are recommended.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Resolutions adopted	Action taken
1. EPF and ESI benefit for 33 casual staff. (Item 3, dt. 12/09/2014).	Implemented with effect from 1 st April 2014.
2. Release of fund for completion of the Auditorium.(Item 5, dt. 12/09/2014)	Ongoing process.
3. Improvement of the condition of the college playground. (Item 2, dt. 05/11/2014)	Almost completed.

4. Appointment of the new Bursar. (Item 3, dt. 27/01/2015).	Appointed with effect from 1 st Feb 2015.
5. Fixing of rental amount of college rooms/premises in holidays.(Item 5, dt. 27/01/2015).	Rental amount finalized and accordingly implemented w.e.f. 01/02/2015.
6. Consider the appointment of security staff and sweepers by outsourcing. (Item 6, dt. 27/01/2015)	Appointed through tender.
7. Requisition placed to the Government of West Bengal for the post of the Head Clerk(Item 6, dt. 26/02/2015)	Requisition placed, but response not yet received.
8. Annual Budget of the college is placed. (Item 1, dt. 14/05/2015)	Unanimously accepted.
9. Extension of college building for PG course. (Item 6, dt. 14/05/2015)	Ongoing process.
10. Pay revision of college appointed PTTs, CWTT and Guest Teachers. (Item 8, dt. 07/10/2015)	Proposal for enhancement of pay accepted.

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?

The college is affiliated to the University of Calcutta and the college abides by the course and system adopted by the mother University. The college has no plan to earn autonomy as it is satisfied to follow the rules and regulations of the affiliating university

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?

There is a grievance cell and a complain box to help the students recover from any distressful situation. Their complaints are addressed with sympathy and care by the concerned teachers. However, the number of complaints, received by the authority, is quite negligible.

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?

The college had to go through a court case filed by one of the female teachers. An Internal Complaint Committee, under the Vishakha Guidelines was formed to assist the complainant. It was an all-female Committee, comprising seven members. Apart from five internal members, two external members from legal profession, as well as social activists, had been included. But the report of the Committee found no merit in that particular complaint. The Committee opined that all the allegations made by the complainant were false, unfounded and made afterthought. On the basis of the Committee report, the Governing Body issued a charge sheet to the complainant. The reply to the charge sheet by the complainant did not satisfy the Governing Body. The Governing Body unanimously decided to suspend the complainant and accordingly a suspension order was issued. The incumbent challenged the

suspension order in the Hon'ble High Court, Calcutta. The single bench of the Hon'ble High Court upheld the suspension order issued by the college. However, the Division Bench found some technical flaws in the suspension order and instructed the college to withdraw the suspension. In compliance with the court order, the college allowed the female teacher to resume her duties.

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?

The college does have a system of taking feedbacks from the students in which they express frankly their opinions about the teachers, the college atmosphere, and their suggestions for improvement. This helps in looking into the lacunae and overcoming the problems in a well-directed manner.

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?

The college prioritizes the need of the teachers to constantly remain active in the field of academics and is always providing them with necessary cooperation to enhance their professional advancement.

- The college authority goes on motivating and encouraging the teachers for their professional developments. A large number of teachers are released by the institution for attending refresher courses and orientation programmes organized by the Academic Staff College of different universities.
- A large number of teachers are invited as resource persons by institutions/universities of repute. The authority grants leave on duty to those

teachers, who attend the seminars/workshops as resource persons. This is done with the intention of encouraging the teachers in their pursuit for attaining academic excellence.

- Quite a large number of teachers of the institution are engaged in active research work in their respective fields. Many of them wrote a number of books with ISBN and published articles in the journal with ISSN. It is the outcome of relentless encouragement on behalf of the authority.
- In July 2015, the college organized a one week course on SOFT SKILLS DEVELOPMENT & STRESS MANAGEMENT for the faculty members. The programme was organized in collaboration with Centre for Counseling Services & Studies in Self Development, affiliated to Jadavpur University.
- Training in computer operation has been extended to some non-teaching staff and this has really boosted the official work in a commendable way. Two members of non-teaching staff of the college attended a week long special computer training course at Basanti Devi college. The training programme was sponsored by the UGC.

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 responsibility they perform?

The college always adopts the strategy of involving all the teaching and non-teaching staff in its day to day functioning. The Principal, as the head of the institution,

develops personal contact with each employee and motivates them for playing a proper role for the development of the institution.

- The authority always encourages the staff, both teaching and non-teaching, to develop themselves through refresher courses, orientation and other training programmes.
- The university examinations are conducted through joint efforts from the teaching and non-teaching employees.
- Both the teaching and the non-teaching staff jointly shoulder the responsibility of admission process.

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.

In time of promotion of the teachers, UGC norms of the performance based appraisal system are meticulously followed. Three aspects are given priority in this respect – Teaching & Learning, Co-curricular & Extra-curricular activities and Research & Academic contributions.

- The college encourages the staff to get involved in extracurricular activities. Many members of the teaching and non-teaching staff have displayed excellence in various fields.
- Dr. Senjuti Roy Mukherjee, Department of Zoology, has elevated her to the position of an outstanding actor.
- Prof. Nabakishore Chanda, Department of Bengali, has earned reputation of an excellent painter.
- Prof. Sirshendu Gayen, Department of Chemistry is an outstanding photographer and recipient of many national and international awards.

- Mr. Debasish Chatterjee, Storekeeper, Department of Chemistry has composed and published poems.
- A large number of teachers of the institution are engaged in active research works and academic activities.
- Dr. Debasish Mukherjee and Prof. Debraj Nath, Department of Mathematics, have published scholarly papers in the journals of international repute. Dr. Debasish Sengupta of the same department published a book for undergraduate students.
- Dr. Ratan Kumar Kar published three books to his credit. Dr. Sanjib Bhar, Dr.Md. Selim and Prof. Yasin Nuree have published papers in journals of international repute.
- Dr. Siddhartha Guha Ray, Department of History, has published a number of books. Two of his books are recommended by the University of Calcutta as referred text books.

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?

Performing teachers in various fields are engaged by the management in several important positions. Their leadership in different cells has worked immensely for betterment of the stakeholders. e.g.

- Dr. Senjuti Roy Mukherjee is the convener of the Competence Building Cell, which helps the students and the staff to enhance their competence and efficiency. The cell organizes debate and quiz competitions among the students. This particular cell in collaboration with IQAC arranged a workshop on Stress

Management & Soft Skill Development in association with Jadavpur University.

- Prof. Nabkishore Chanda is the Prof. in - charge of Cultural Platform. The platform encourages the students to participate in various cultural activities. The platform strives for the manifestation of covert talents of the students in cultural sphere.
- Prof. Sirshendu Gayen is the convener of Photography Cell, which helps the stakeholders to capture their creativity through camera and lenses. The motive of the cell is to instill interest among the students in photography.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

College indulges in the practice of giving festival advance of Rs. 10,000/- to the non-teaching staff at 0 % interest rate. The College Cooperative Credit Society sanctions loans to the teachers and the non-teaching staff at low interest rates. Almost the entire college community has been benefitted by this facility.

The temporary members of non - teaching staff however get an ex - gratia payment equal to their one month's pay during the festival season. The college also provides living quarters to a section of the non-teaching staff in the campus itself.

All the temporary & casual non - teaching staff of the college have been brought under Employees' Provident Fund (EPF) & ESI scheme. This has been done for giving priority to the welfare scheme of the casual non- teaching employees.

Such steps have been taken to achieve the best from the casual employees.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

The internal audit is done by appointing an auditor by the college. The external audit is done by the auditors recommended by the Department of Education, Government of West Bengal. The last audit is done for the year 2013 - 2014. So far, there had been no audit objections.

6.4.3 What 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 the reserve fund/corpus available with Institutions, if any.

The major sources of institutional funding are from the students' fees, grants from the West Bengal Government, UGC grants etc. The college also receives occasional grants from MP/MLA-LAD fund. The college tries to meet the deficit, if any, by taking several fiscal measures. The audited income for the last four years is provided below:

See Annexure--IV

6.4.4 Give details on the efforts made by the institute on in securing additional funding and the utilization of the same (if any).

The institution has an objective to secure additional funding from its Alumni Association. Very recently, college has taken a drive to register the Alumni Association. The college also accrues income from the rentals for providing space to the Canara Bank in its campus. The college also has a pond, which is given on lease to a fishing firm for fishery. The Computer Centre run by the Institute of Computer Engineers also pays an annual rent to the college for using the infrastructure. Because of its prime location, several organizations use the college campus as venue for examination on the holidays. The college earns an amount

for such examinations also. In the holidays, the college allows several voluntary organizations to arrange programmes and against that, the college takes an amount from them.

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)? .6 If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**
- b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?**

The IQAC relentlessly try for academic improvement of the institution. The IQAC places proposal before the Governing Body and the GB accordingly gives priority to the proposal for elevation of academic and administrative standards of the college. The IQAC has made a tremendous effort in bringing the students into the fold of regular attendance of classes and also in developing the infrastructure of the college.

On the basis of the recommendations of the IQAC for decorating the college premises, the Governing Body sanctioned fund for constructing a well decorated lawn cum garden in between the academic and administrative buildings, in 2010-11.

The active participation of the IQAC in observing the Golden Jubilee celebration in August 2011, made the occasion a grand success. The presence of the honorable Mayor of Kolkata Municipal Corporation graced the occasion.

In January 2012, the 28th conference of the Paschim Banga Itihas Samsad was hosted and organized by the institution. The IQAC extended all possible co-operations

for making the programme a success. The IQAC Coordinator, acted as the reception committee convener. IQAC members carefully looked after the comforts of the delegates coming from distant places, including Bangladesh. The secretary of the organization in his report spoke high of the arrangement made by the college, expressing his sincere gratitude. Internationally acclaimed historian, Prof. Sekhar Bandyopadhyay gave the inaugural speech and the key note address was delivered by Prof. Muntasir Mamun, an eminent historian from Bangladesh. The IQAC of the College played a significant role in making contact with these outstanding scholars.

The IQAC also chalked out a plan to organize a yearlong programme to observe the sesquicentenary birth anniversary of Swami Vivekananda, as the college is named after this great revolutionary and patriot. In 2012-13, several programmes were held to remember the contributions of the great soul. Prof. Chittabrata Palit, eminent historian and Sri Shiupujan Singh, Secretary, Vivekananda Kendra, Kanya Kumari, were invited in such programmes. In a seminar Prof. Palit highlighted the relevance of teachings and ideals of Swamiji, while Sri Shiupujan Singh explained the significance of the Chicago Speech.

The IQAC also recommended for up gradation of the Seminar Hall. Eventually the Seminar Hall was decorated with beautiful and modern furniture, curtains and overhead LCD projector. Very recently the hall has been further decorated and was fully air conditioned. The Seminar Hall has been named **Vivekananda Sabhaghar**.

In 2013-14, on the basis of the recommendations of the IQAC, the college constructed ramps at the entry points of all the buildings with a view to making the campus smooth and conducive for the movement of physically challenged persons.

The IQAC also proposed for introduction of a beneficiary scheme for the casual non-teaching staff of the college. Accordingly from 1st April 2014, the college brought all the casual non-teaching employees under the fold of

Employees Provident Fund and ESI schemes. These have immensely benefited all the casual non-teaching staff of the college. The gesture shown by the authority has yielded positive results and the casual always give useful services to the institution.

The college has a huge playground. But unfortunately its quality has deteriorated because of its lowness. Inadequate drainage system of the locality would affect the college during the rainy season and water logging stood as a deterrent factor for the students to participating sports and games. The IQAC attributed due importance to the problem and resolve to solve it. On the recommendation of the IQAC, the authority took initiative to improve the condition of the ground by raising its level. The work is still in progress, although a considerable part has been done.

The IQAC played its due role in planning the above measures and then placed its recommendations to highest body i.e. the Governing Body of the college. The G.B. approved the proposals and sanctioned required amount of fund for executing the plans.

c. Does the IQAC have external members on its committee?

If so, mention any significant contribution made by them.

The IQAC has no external members.

d. How do students and alumni contribute to the effective functioning of the IQAC?

The General Secretary of the Students' Union is an ex-officio member of the IQAC. He gives suggestions in several matters, related to academic and administrative affairs to the Principal. The Principal places the suggestions in G.B. meetings for execution. The alumni as such have no role in IQAC functioning. Incidentally the IQAC Coordinator is an alumnus of the institution.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC proposes several names of the non-teaching staff for different actions. Accordingly the members of the non-teaching staff are entrusted with the responsibility in other arrears by the authority, besides their regular assigned duties.

The college shouldered the responsibility to assist the Education Directorate, Government of West Bengal, in organizing the Inter College State Sports and Games Championship, 2014 at Vivekananda Yuba Bharati Krirangan and SAI Complex, Salt lake. The programme was a grand success and earned appreciation from the participants coming from all the districts of West Bengal. The Government of West Bengal also heaped praise upon the institution. In fact the success owed much to the combined efforts of the teachers, students and the non-teaching staff. The IQAC played the role of the coordinator in distributing duties for executing this mammoth task.

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.

Quality assurance of the institution is given highest priority by the authority. The authority in constant collaboration with the IQAC takes measures for improving the quality of the institution in academic and administrative spheres. The activities elaborated in the above section should speak for themselves.

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.

The college has a computer center run by the Institute of Computer Engineers. The college signed an agreement with the organization that two among the teaching and non-teaching staff would be provided basic

computer training by the Institute totally free of cost.

Two members of the non-teaching staff of the college attended a week long special computer training course at Basanti Devi College, Kolkata in 2011-12. The training programme was sponsored by UGC.

The teachers are released by the college authority to attend orientation courses and refreshers' courses organized by Staff Training Colleges of several Universities. Such courses are linked with the promotion scheme of the teachers.

In June 2015, the college, in collaboration with the Jadavpur University, organized for the teachers a week long workshop on Stress Management and Soft Skill Development.

All such efforts taken by the institution were aimed at enhancing the quality of teachers as well as of non-teaching staff.

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?

There is as such no system of Academic Audit, but the year-long evaluation system followed by the college tantamount to Academic Audit. Regular class tests are held for periodic assessment of the students. Following instructions of the affiliating University, Mid-term Tests and Annual Test Examinations are held. The Academic Sub-Committee along with the IQAC thoroughly discusses the results of such tests and accordingly communicates them to the students.

The internal quality assurance mechanism as paid rich dividend to the institution and its outcome becomes evident in University Examination Results. A large number of honours students are placed in first class and many departments achieved 100% success rate.

The India Today- Nielson was engaged in a survey on higher education throughout the country. In the years 2012-13 and 2013-14, the survey adjudged the college as the

best science college in Kolkata. The survey report stands out as the glaring example of external quality assurance outcome.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Throughout the year the college follows a system of continuous evaluation of the students by taking class tests, mid-term tests and annual examinations. Moreover the college arranges seminar competition of the students to make them stage free and better acquainted with their subjects. The best speakers are rewarded by the college.

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?

In the beginning of each academic session a meeting of the Teachers Council is convened. In that meeting the teachers freely express their opinion for improving the academic standard as well as the teaching-learning process. Teachers of different departments place their requirements before the principal for such improvements. Finally resolutions are adopted for further improving the system.

The IQAC along with the Academic Sub-committee reviews the progress of the teaching learning process. Much importance is paid to regular attendance of the students. The Academic Sub-committee maintains all records related to students' attendance. Parents/guardians of the absentees are made by the departmental teachers and their problems are discussed.

The Academic Sub-committee in its meetings also reviews the results of the internal examinations. Students with low attendance and poor marks in the internal examinations are not allowed to appear in the final University Examinations.

A thorough review of the teaching learning process is made throughout the year by the teachers. Such endeavours, on behalf of the faculty members, have yielded

positive impact, which is evinced from the results of the Calcutta University. In 2014-15, large numbers of honours students were placed in first class and many departments achieved 100% success rate.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The college is primarily concerned with the students, whom the college considers to be the principal stakeholders. On the Teachers' Day of every year (5th September), the Principal visits every department and explains the institution's quality assurance policies and mechanisms before the students.

The results of the Mid-term Tests and Annual Test Examinations are displayed in the departmental notice boards by the respective departments.

On the basis of results in the internal examinations, the departmental teachers meet the guardians of the slow learners and also of those whose attendance fail to reach the requisite percentage. The problems of the students are elaborately discussed with the guardians.

There is also an electronic notice board in the administrative building. Important information are displayed in that notice board.

The college Authority has taken a programme to computerize and fully digitize the library. In a Teachers' Council Meeting held on 1st July, 2015, the Principal informed the teachers about the programme and sought their co-operation. The process of digitizing the library has already started with active help from the teaching and non-teaching staff.

The College authority has taken initiative to make a book bank for supplying curriculum related books to the needy students. The Principal sought co-operation from the Students' Union for this purpose. The Students' Union accepted the proposal with grace and the process has already started.

CRITERION VII

INNOVATIONS AND BEST PRACTICES



The Hon'ble Chief Minister of West Bengal is giving prize to the Principal for excellence in executing the 'Kanyashree Prakalpa'

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Although the college took initiatives in many eco-friendly and environmental awareness programmes, but the institute did not conduct Green Audit of its campus and facilities.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

A piece of fallow land lay in between the academic building and the administrative building. That particular land was transformed into a beautiful garden with grill fencing.

Further, a seminar on *Scopes of Environmental Science* was organized by the Department of Environmental Science. Smt. Prarthana Ghosh, University of Alabama, USA, delivered a lecture in the seminar.

The department of Environmental Science has taken the periodical initiative of Campus biodiversity check - listing. The total number of trees in the college premises had been

counted. There are 168 trees under 40 species in the college campus.

Throughout the year, the college authority remains vigilant about keeping the college premises eco - friendly. The Environment Science Department takes unflagging initiative to see that the college is kept clean and dust free. Furthermore, at the initiative of the Department of Botany, the gardens and trees in the college premises are carefully looked after.

There is a large pond in the college premises and the college authority takes necessary steps to keep it clean. In fact the pond caters to the interest of the locality by ensuring cool air and maintaining ecological balance. The college has built up *Sushruta Udyan*, a medicinal plant garden within the college premises. The garden had been named after the doyen of Indian medical sciences in ancient India, *Sushruta*. In fact, the scheme has been executed with the financial help of Dr. Alokanda Jana Mukherjee, a retired teacher, Department of Botany.

A seminar on proper utilization of water was held by the Department of Environmental Science. The seminar was organized with the intention of proper conservation of water even with in the college campus.

In an effort to save and protect environment, and to bring "Green Chemistry" from the arena of seminar rooms to daily laboratory practices, the Department of Chemistry has taken some meaningful steps over the past few years.

- Students are advised to carry out experiments using the minimum quantities of the required chemicals, to take care to minimize the emission of harmful gases during experiments and to discard the remaining materials after proper dilution.
- Use of harmful and/or carcinogenic chemicals has been minimized. Students and non-teaching staff of the department are informed about the harmful

effects of those chemicals and the ways to avoid or minimize exposure to them.

- Contrary to the age-old practice of discarding the prepared solutions after an academic session is over, some laboratories have started preserving and recycling of certain solutions. To implement this, students are instructed not to contaminate the solutions they are using, so that they may be used again. In the recent years, practical examinations (honours papers) are being conducted at all the colleges. For this purpose considerable amount of solid chemicals and prepared solutions are being supplied to the colleges by the university. After the examination, the excess chemicals and solutions are used for conducting practical classes, wherever possible.
- When it comes to chemicals, 'a penny saved' is sometimes 'a pound earned' if we take into account the environmental and energy costs of production and use of these chemicals. So, in some of our laboratories, the work schedule is prepared so as to ensure the recycling and optimal use of solutions. For example, if a concentrated solution used for one experiment can be diluted for being used in another experiment, then the experiments are scheduled accordingly. If a certain prepared solution decays easily, and the stock is sufficient, it is used as early as possible, to avoid wastage.
 - * Energy conservation: The College has introduced a pair of LED display boards, one placed in the administrative building and the other in the main building. This has been done with the intention of reducing excessive use of papers for official notices. The college is planning to replace the conventional bulbs and tube lights with energy saving LEDs.
 - * Use of renewable energy: Installation of a roof top Solar panel is in the process.

- * Water harvesting: An underground reservoir is under construction for the rain water harvesting process, which will supply water for gardening in summer.
- * Plantation: The playground of the college has been surrounded by plants and saplings.

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.

Year	Innovations
2010-11	<ol style="list-style-type: none"> 1. Establishment of a Research Guidance Cell. 2. Introduction of Career & Counseling Cell & Mental Health Awareness Cell.
2011-12	<ol style="list-style-type: none"> 1. The Journalism & Mass Communication department in collaboration with Sabuj Patra & Kalantar organised a programme named 'Communication for Children' at the Kolkata Book Fair, Milan Mela. 2. The Photojournalism and Videography Unit of the college published an album on 19th August 2011, named ENDEAVOUR containing a collection of photographs captured by the students through lenses of their cameras. 3. The college has built an open air stage BALAKA, which was inaugurated by the president of the GB on 12th January 2012, in the birth anniversary of Swami Vivekananda.
2012-13	<ol style="list-style-type: none"> 1. The department of Physics celebrated Science Day on 28th Feb 2013 by visiting the Variable Energy Cyclotron Centre (VECC), Kolkata, an institution of

	<p>Department of Atomic Energy, Govt. Of India.</p> <ol style="list-style-type: none"> 2. The college in collaboration with American Centre observed National Library Day celebration. 3. The Department of Mathematics organised a unique programme, MATHEMANIA, a quiz competition on mathematics, probably the first of its kind in Kolkata. This programme was organised to observe 125th birth anniversary of Srinivasa Ramanujam, the greatest Indian Mathematician. 4. Remaining true to the glorious heritage of Bengal Renaissance, two busts - one of Pandit Iswarchandra Vidyasagar and another of Kabiguru Rabindranath Tagore was installed in our college campus.
2013-14	<ol style="list-style-type: none"> 1. The department of Journalism & Mass Communication observed the Newspaper Day on 29th January 2014 with the co-passengers in New Delhi - Howrah Rajdhani Express. 2. The students of the department of Physics visited Science City, Kolkata, to attend a Seminar On India - based Neutrino Observatory (INO) organised by the University of Calcutta on 8th November 2013. The seminar inspired the students of the departments immensely. 3. Considering the problems faced by the otherwise abled/ Physically Challenged persons, college has constructed ramps at the entry point of all the four buildings. 4. All the casual non - teaching staff of the college has been brought under Employees'

	Provident Fund (EPF) & ESI scheme. This has been done for giving priority to the welfare scheme of the casual non- teaching employees.
2014-15	<ol style="list-style-type: none"> 1. Renovation and interior decoration of Vivekananda Sabhagriha. 2. Establishment of a Photography Cell & arranging photography exhibition. 3. Organized National Robotics Championship in association with IIT Bombay and ARK Technosoft. 4. Organized a workshop on Stress Management and Soft Skill Development for the college teachers, both internal and external, in collaboration with Jadavpur University.

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.

BEST PRACTICE I

Title: Project “Go Green” in the Admission Process.

Goal: The goal and objective of the college was to remove the difficulties of the students/guardians in time of admission. Moreover, the college wanted to emphasize on environmental awareness. Above all, the college authorities were concerned to stick to a transparent admission process.

In this academic year (2015 - 2016), the admission process of the college was exclusively computerized. Starting from the distribution of

forms to the publication of the merit list was entirely online. Even the collection of fees during admission was conducted through Canara Bank, situated in the college premises.

The online system led to a hassle free admission process. At the same time, it was an eco-friendly practice, as it could avoid unnecessary wastage of papers, inks and human labour.

Context: During previous years, the college observed that, there was enormous misuse of human power, in time of admission, as a large number of teachers and members of the non-teaching staff had to be engaged in the admission process. This would create a problem regarding teaching, as well as regular official works. The online admission system saved human resources for better utilization.

The college authorities were also concerned to stick to an eco-friendly practice. In this context, the idea of avoiding wastage of papers and inks caught the minds of the college authorities. Hence, the authority introduced an online admission system.

Earlier years, the college used to distribute hard copy forms physically to the students/guardians. There would have been a long queue within and outside the college premises. This would lead to an overcrowded situation, affecting the tranquility of an educational institution. Moreover, the students/guardians had to wait for a considerable length of time in sun and rain. The college authorities were concerned about the difficulties of the students and guardians during the admission process. This year such problems could easily be avoided, thanks to the online system.

The Practice: First of all, effective online software for the purpose was developed, to cater to the necessity of the new entrants as well as of the institution as a whole. A student friendly online admission was primarily designed, which contained all the information required for a new entrant such as available subject combinations, admission fees, process of submission of admission fees, system of publishing the merit list etc. The submission of admission forms generated an individual form number and a challan against each candidate. The challan was generated for submission of the registration fees. Registration fees could be deposited to any branch of Canara Bank throughout India, which proved beneficial to the students of any corner of the country. After the submission of registration fees, the software confirmed the eligibility of the candidates to find a place in the merit list automatically. The merit list was made available online, so that any candidate, who submitted the registration fees, could check his/her status in the merit list just by entering the individual form number. The web site of the college displayed the details of verification dates, fees for different streams/subjects as well as dates of admission of all the departments. On the dates specified for departmental verifications, the new entrants occupying higher positions in the merit lists would meet the departmental teachers. The teachers accordingly verified all the original testimonials and documents. Being satisfied, they used to issue admit orders to the new entrants along with the dates of admission. On the dates of admission, a challan was generated after the office verification. This challan entails an official ID, which would remain valid for three years. With the generation of the ID,

he/she is considered as a bonafide student of the college. This particular challan for admission is the sole paper document used during the entire admission process, which reflects eco-friendly attitude of the college authorities. Furthermore, publication of online merit list in the college website reveals that there was little scope for any corruption and nepotism. The online system was adopted with a view to ensuring a transparent admission policy by the college.

Evidence of Success: Vivekananda College stands out as one of the rare institutions to make such a successful experiment in the sphere of admission process. The practice proved satisfactory to the students, teachers as well as to the members of non-teaching staff. In fact, not a single instance of student unrest or guardians' agitation took place. The practice gave a message to the people of the locality that the institution attributes much importance to transparency and fairness. It was also a hassle free admission process. In fact, admission system requires an interaction with the outsiders. But this year due to online process, the teaching and non-teaching staff did not face any hazards as the rules and regulations for the admissions were displayed in the college website.

As a consequence of such a transparent and fair practice, the college was able to admit students with excellent qualities, which is evident from the teachers' report.

Problems Encountered & Resources Required: As the college is located in a semi urban area and the majority of students come from rural and semi urban background. There was an apprehension whether students coming from

rural areas would suffer from an initial psychological barrier in using the internet in time of filling up of the forms. But the apprehension did not come true as the number of applicants this year exceeded all previous records. However, a small section of students from remote areas faced problems related to internet access, were helped by the college authorities. The college had to open a help desk, supervised by senior teachers.

For implementing this process, the college had to incur some additional expenditure. In fact, the government of West Bengal had provided a part of the expenditure. The additional expenditure was provided by the college. Moreover, an admission committee was formed by the Teachers' Council, which acted efficiently during the admission process.

BEST PRACTICE II

Title: Successful implementation of the "Kanyasree Prakalpa"

Goal: The avowed mission of the institution is 'Education for Empowerment'. This mission inspires us to envisage the goals and objectives like sense of commitment to human values and social justice, respect to womanhood and involvement in community life. Remaining true to this mission, the college gave a whole hearted effort to implement the **Kanyasree Prakalpa**, a unique scheme of the Government of West Bengal. This project was the brainchild of the Hon'ble Chief Minister, Government of West Bengal, which was designed to benefit the unmarried female students aged between 18 and 19 years, coming from poorer sections of the society.

Context: The College is situated in the southern fringes of Kolkata metropolis, which covers a

border zone of rural-urban areas. Adjacent rural areas act as the feeder zone of the institution. Such areas are inhabited by socially and economically backward people. In fact these are the families, which supply our student folk. Due to abject poverty and social backwardness, many families are not inclined to send female children for higher studies. The institution took it as a challenge and strove hard to take opportunity of this unique scheme. Financial assistance from the government encouraged the guardians to send their daughters to the institution. The college authorities with the help of some female teachers meticulously examined all the relevant papers, which led to the grand success of the scheme in this institution.

The Practice: The educational institutions of West Bengal had been instructed by the government to take initiative to implement the scheme in such an effective manner, so that a large number of girl students may come under the purview of this beneficial scheme. With a view to ameliorate the conditions of the girls coming from economically backward sections, the college gave a sincere drive for successful implementation of the project.

In the beginning, the Principal formed a committee consisting of some senior female teachers. Being notified by the Principal, the desiring candidates met before the committee in order to avail themselves of the opportunity. The students were supplied a pro forma, which they had to fill in. The committee meticulously scrutinized the forms and after being satisfied, the forms were submitted to the Principal. The Principal's office would upload the forms in the designated website of the government. After thorough verification by the government

employees, the names of the beneficiaries would have been listed. The listed candidates were advised by the college authority to open a zero balance savings bank account. The beneficiaries received a one-time lump sum amount of Rs. 25000/= from the government of West Bengal. Ultimately the same amount was deposited to the respective bank accounts of the beneficiaries. Giving priority to the interests of the female students, the teaching and non-teaching staff of the college gave a serious effort for benefitting the poorer sections of the female students. As a consequence of these efforts on the part of the institution, the college secured 2nd position in West Bengal for two consecutive years for its excellent performance in executing the 'Kanyasree Prakalpa'.

Evidence of Success: The tremendous success in implementing this state government scheme by our college is of no exaggeration as the college received 2nd prize for Kanyasree Prakalpa for two consecutive years (2013 - 14; 2014 - 2015). The prize was handed over to the Principal by the Hon'ble Chief Minister, Government of West Bengal in a function at Netaji Indoor Stadium. Such an efficient performance, on behalf of the college, will be a positive factor for the female students as they have been encouraged to apply for getting benefit of the scheme. The number of applicants is increasing day by day. The recognition by the Government of West Bengal has inspired the college to work for empowering the female students.

Problems encountered and resources required: The preliminary problem in implementing the scheme was to inform the students. The principal served notice to the students and asked them to communicate with the committee

concerned. Then it was a problem to make the students aware of the entire project. But soon the effort gathered momentum and a large number of female students coming from economically backward sections began to enroll their names as desiring candidates.

The practice did not involve exorbitant expenditure on the part of the college, but it required the services of both teaching and non-teaching staff of the college. Thus, the scheme was successfully implemented by utilizing considerable human resources.

Contact Details:

Dr. Tapan Kumar Poddar

Principal

Vivekananda College

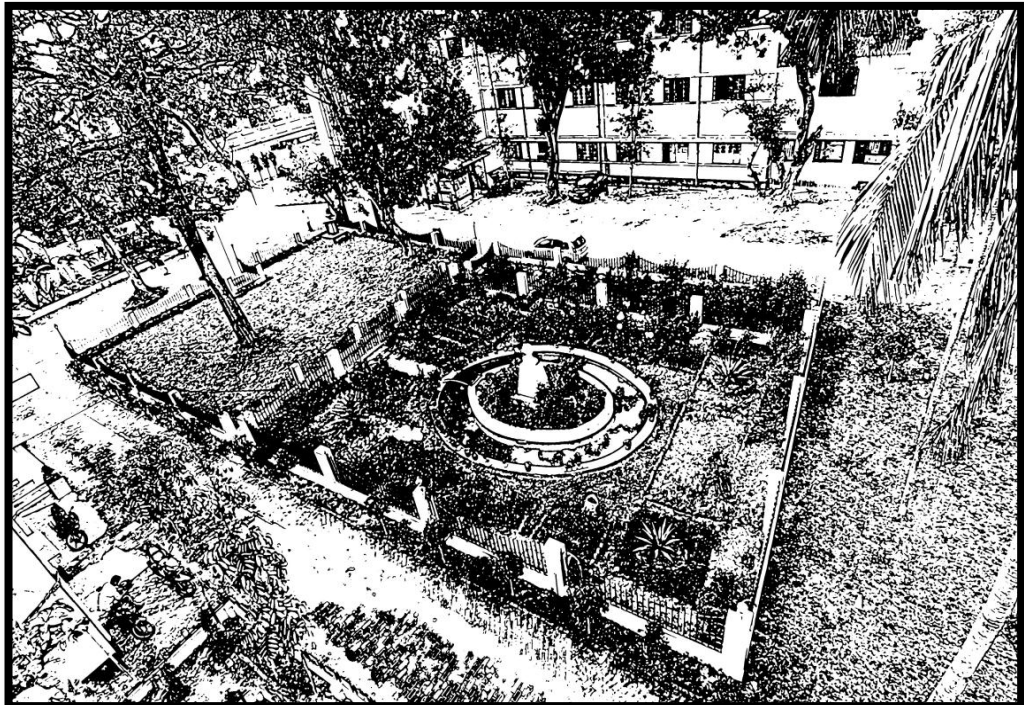
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EVALUATIVE REPORTS OF THE FACULTY OF SCIENCE



Faculty of Science

1. **Name of the department** : **BIOCHEMISTRY**
2. **Year of Establishment** : 2008
3. **Names of programmes /courses offered (UG,PG)** : UG courses in B.Sc. Biochemistry Honours (University of Calcutta)
4. **Names of Interdisciplinary courses and the departments /units involved** : NA
5. **Annual/semester/choice based credit system (programmewise)** : Annual
6. **Participation of the department in the courses offered by other departments** : NA
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : NA
8. **Details of courses/programmes discontinued (if any)** : NA
9. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	Not applicable
Asst. Professors	01	Nil

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
Dr. Kakali Roy	M.Sc., Ph.D.	Whole-Time Teacher (Govt. Approved)	Enzymology, Reproductive Biology	08
Pranabesh Maji	M.Sc.	Whole-Time Teacher (Govt. Approved)	Genetics	07
Nineesha Sen	M.Sc.	Whole Time Teacher (College Appointed)	Cancer Immunology, Biochemical Toxicology	05
Swati Halder	M.Sc.	Whole Time Teacher (College Appointed)	Physical Chemistry	05
Karnelia Pal	M.Sc.	Temporary Teacher	Molecular Biology	01

11. List of senior visiting faculty :

Name	Designation	Name of the college
Dr. Azahar Ali	Former Associate Professor	Vivekananda College, Kolkata
Dr. Saurindramohan Bhattacharya	Former Associate Professor	Vivekananda College, Kolkata

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty : 10%

- 13. Student-Teacher Ratio (programmewise) :**
- i. Honours : 20:1
- 14. Number of academic support staff(technical) and non-teaching staff :** 02
- 15. Faculty with ongoing projects**
- a) National : NA
- b) International : NA
- 16. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received :** NA
- 17. Research Centre/facility recognized by the University :** NA
- 18. Publications :**
- Papers published in journals**
- **Roy K**, *Effect of Non-enzymatic browning on quality of lime juice*, Journal of Food science & Technology, 37, 22- 24(2000)
 - **Roy K** , *Studies on clarification of lemon juice by ultrafiltration as a substitute for α - amylase enzyme treatment for starch removal*, Journal of Food science & Technology, 39, 304 – 306(2002)
 - **Roy K** , *Physico-chemical characteristics of lemon juice clarified through ultrafiltration membrane*, Journal of Food Science & Technology, 40, 194 – 196(2003)
 - **Roy K** , *Fortification of nutrients in sandesh by fruit juice concentrates*, Beverage & Food World, 26 – 27(March, 2003)
 - **Roy K** , *Study on prevention of cloud loss in lemon juice during ultrafiltration*, Beverage & Food World, 37 – 39(May, 2003)

- **Roy K** , *An approach to cost estimation for extraction of natural colour*, Indian Journal of Dairy and Biosciences, 14 (2), 37 – 42(2003)
- **Roy K** , *Purification of natural food colorants using membrane technology – A Review*. Journal of Food Science & Technology, 41, 1 – 8(2004)
- **Roy K**, *The use of a natural colorants based on betalain in the manufacture of sweet products in India*. International Journal of Food Science & Technology, 39, 1087 – 1091(2004).
- **Roy K** , *An approach to cost estimation of sweetmeat product (sandesh) prepared using ultrafiltered natural colorant*. Beverage & Food World, 46 – 49(July, 2006)

19. Number of papers published in peer reviewed journals (national/ international) by faculty and students :

i. National	-	08
ii. International	-	01

20. Areas of consultancy and income generated : NA

21. Faculty as members in :

a. National committees	:	NA
b. International Committees	:	NA
c. Editorial Boards	:	NA

22. Student projects

a) Percentage of students who have done in-house projects including inter-departmental/programme :

BSc Biochemistry Honours Environmental Studies (Compulsory) project – 100%

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

:

- **Ishita Roychoudhury**(student), was awarded
 - Guinness Book Of World Records for participation in Largest Odissi Dance Festival(**International**) at Kalinga Stadium, Bhubaneshwar, IPACC(America) and Orissa Govt.(2011)

24. List of eminent academicians and scientists/visitors to the department

- ❖ **Prof. Dhruvajyoti Chattopadhyay**, Former Pro-VC (Academic) Calcutta University and Professor, Dept. of Biochemistry, University of Calcutta
- ❖ **Dr. Pranab Roy**, Former Professor, Dept. of Biotechnology, Burdwan University, West Bengal.
- ❖ **Prof. KrishanuChakraborty**, Centenary Professor, Dept. of Biochemistry, University of Calcutta
- ❖ **Dr. Sribir Sen**, Former Professor, Durgapur Institute of Science Technology, Durgapur, West Bengal.
- ❖ **Prof. Santasree Mazumder**, Professor, Dept. of Biochemistry, Calcutta University.
- ❖ **Prof. ArunGuha**, Former Professor, Dept. of Biological Science, Indian Association for Cultivation of Science, Kolkata.
- ❖ **Dr. Aditi Nag Chaudhuri**, Head, Dept. of Microbiology, Lady Brabourne College, Kolkata
- ❖ **Dr. Sankar Maiti**, Assistant Professor, Indian Institute of Science Education and Research (IISER), Kolkata.
- ❖ **Dr. Shankho Subhro Das**, Cardiologist, Apollo Gleneagles Hospitals, Kolkata.
- ❖ **Dr. Dipak Kar**, Principal, Asutosh College, Kolkata

25. Seminars/Conferences/Workshops organized & the source of funding :

- A state level seminar on Biochemical Diversity Encompassing Advanced Sustainable Development, funded by UGC, collaborative organization : Asutosh College, Kolkata(2013)
- A state level seminar on World Heart Day : Pledge for a Healthy Heart, funded by Vivekananda College(2015)

26. Student profile programme/course wise :

Name of the course/ programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
BSc Biochemistry Honours	302	54	22	20	100

27. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
BSc Biochemistry Honours	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: NA

29. Student progression : NA

- 30. Details of Infrastructural facilities :**
- a) Library : NA
- b) Internet facilities for Staff & Students : All
- c) Class rooms with ICT facility : One
- d) Laboratories :
- One Organic and Biochemical Laboratory
 - One Physical Chemistry and Enzyme Chemistry Laboratory
 - One Molecular Biology and Clinical Biochemistry Laboratory
- 31. Number of students receiving financial assistance from college, university, government or other agencies :**
- All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.
- 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts :**
- i) Two Seminars arranged on 2013 & 2015.
- ii) Some eminent personalities (Listed above) in the field of Biochemistry visited department and interacted with the students.
- 33. Teaching methods adopted to improve student learning :**
- Model construction and LCD Projection of course related topics.
 - Different organic molecular configuration, stereochemistry, specific rotation etc. are shown through the ball and stick model.
 - Specific enzymatic reactions like lock& key hypothesis and Induced fit hypothesis etc,enzyme inhibition, Prokaryotic and Eukaryotic cells and their different organelles, cell cycle, biological membranous structure, different reactions of biomolecules, different physiological system in human body, immune system, Structure of DNA, replication, transcription, translation, mutation, DNA repair etc, the mechanism of all the studies are to be explained through LCD projection.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities : NA**

35. SWOC analysis of the department and Future plans :**Strength :**

- The Department has a laboratory with sophisticated instruments like Cold Centrifuge, UV – Visible Spectrophotometer, Laminar Air Flow etc.
- Department provides one ICT equipped classroom to students.
- Majority Students participate in departmental lecture competition.
- The performance of the students of our Department in the national / state level competitive and entrance examinations like JNU, CU, BHU, JU, BU, KU etc. has been satisfactory.

Weakness :

- There is no teaching faculty in substantive post in our department.
- Shortage of space in the department.
- There is no seminar library in our department.

Opportunities :

- The level of academic excellence which the department has acquired makes it possible for our students to get entry into institutes of national repute.
- The new learning of the age requires greater proficiency in soft skills among students. The Department has the necessary technical and infrastructural resources to take this to a higher level.
- Students' increasing participation in different social and cultural programmes under NSS, NCC and different cells has provided opportunity for healthy development of the department.

Challenges :

- Faculty members endeavor for excellence of the students in the department.
- Providing more internet access to teachers and students.

Future Plan :

- All departmental class rooms are to be provided with ICT facility.
- More eminent visiting faculty with national reputation to encourage students for enhancing their knowledge.
- Setting up a departmental library.

- 1. Name of the department** : **BOTANY**

- 2. Year of establishment** : 1954 (as the Dept. of Biological Sciences; Separated from the Dept. of Zoology in 1984)

- 3. Names of programmes /courses offered (UG, PG)** : UG courses in B.Sc. Botany Honours and B.Sc. Botany General (University of Calcutta)

- 4. Names of interdisciplinary courses and the departments /units involved** : NA

- 5. Annual/semester/choice based credit system (programme wise)** : Annual

- 6. Participation of the department in the courses offered by other departments** : Nil

- 7. Courses in collaboration with other universities, industries, foreign institutions, etc** : Nil

8. Number of teaching posts :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	02 (CAS)
Asst. Professors	05	03

9. 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
Dr. Sutapa Kumar (Rai)	MSc, B.Ed, PhD	Associate Professor	Cell Biology and Genetics	20*
Mrs. Meenakshi Mukopadhyay	MSc, PGDS	Associate Professor	Mycology and Plant Pathology	18
Dr. Kuntal Narayan Chaudhuri	MSc, PhD	Assistant Professor	Cell Biology, Molecular Genetics and Plant Tissue Culture	13
Dr. Asis Kumar Pal	MSc, BEd, PhD	Assistant Professor	Mycology and Plant Pathology	16**
Dr. Ashutosh Mukherjee	MSc, PhD	Assistant Professor	Cell Biology, Molecular Genetics and Plant Tissue Culture	9***
Susomoy Sarkar	M.Sc.	Temporary Faculty	Cell Biology	02

Sreemanti Banerjee	M.Sc.	Temporary Faculty	Plant Physiology and Biochemistry	02
Chayanika Gupta	M.Sc.	Temporary Faculty	Plant Physiology and Biochemistry	02

* including 7 years as Part-time Lecturer

** including 1 year as Part-time Lecturer and 12 years as Assistant Teacher

*** including 8 years as Assistant Professor at Dinabandhu Mahavidyalaya, Bongaon

10. List of senior visiting faculty :

Name	Designation	Name of the college
Mr. Santinath Sarkar	Associate Professor (Retd.)	Surendranath College, Kolkata
Dr. Akramul Haque	Associate Professor (Rted.)	Charuchandra College, Kolkata

11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

	Theory	Practical
Honours	10%	15%
General	10%	15%

12. Student -teacher ratio (programme wise) :

- i) BSc Botany Honours – 15:1
- ii) BSc Botany General – 30:1

13. Number of academic support staff(technical) and non-teaching staff :

- i) Technical Staff – 1 (Graduate Laboratory Instructor)
- ii) Non-Teaching Staff – 5 (Laboratory Attendants)

14. Faculty with ongoing/completed projects :

Name	No. of Projects	Ongoing/ Completed	Year	Name of the Funding Agency	Whether Agency is National or International	Grants Received (inRs.)
Dr. Kuntal Narayan Chaudhuri	1	Ongoing	2014-16	UGC	National	2,02,500.00
Dr. Asis Kumar Pal	1	Ongoing	2014-16	UGC	National	1,87,500.00

15. Research centre/facility recognized by the university: Nil**16. Publications per faculty : See Annexure I****17. List of papers published in journals :**

- **Rai SK, Sarkar S, Banerjee S** : Plant bioassay to study the toxic effect of some common agrochemicals. *Bodhi Bijan*(accepted for publication).
- **Rai SK Das A, Banerjee S and GhoshA (2012)** : Algal diversity at Amtala and Sarsuna, South 24 Parganas. *Bodhi Bijan* 2: 140-145 (ISSN: 2277-4831)
- **Kumar S and Roy SC (1996)** : Cytological changes leading to loss of differentiation in *Nigella sativa* (Ranunculaceae). *Bangladesh Journal of Botany* 25: 165-170 (ISSN: 0253-5416)
- **Mukhopadhyay M** : Probiotics and prebiotics: the dynamic duo. *Bodhi Bijan* (Accepted for publication)
- **Mukhopadhyay M and Bhattacharjee D (2012)** : An ecological study on wastewater fisheries of Mudialy Fishermen's Co-operative Society. *BodhiBijan*2: 115-123 (ISSN: 2277-4831)
- **Mukhopadhyay M (2008)** : Bioactivities of some medicinal mushrooms: a modern perspective. *Journal of Mycopathological Research* 46: 13-21 (ISSN: 0971-3719)

- **Mukhopadhyay M**, Kundu S, Samaddar KR (1991) : Increased susceptibility of mung bean to *Macrophominaphaseolina* at low temperature. *Journal of Mycopathological Research* 29: 1-7 (ISSN: 0971-3719)
- **Chaudhuri KN** : The Paddy-Fish Cultivation: Exploring the Traditional Ecological Knowledge-Based Natural Resource Management of the Apatanis of Ziro Valley, Arunachal Pradesh. *Bodhi Bijan*(accepted for publication)
- **Chaudhuri KN and Pal AK** : *Excoecariaagallocha(gewa)* and the locals of the Sundarbans: A review of an enduring love-hate relationship. *Bangabidya: International Journal of Bengal Studies*(accepted for publication)
- **Pal AK and Chaudhuri KN** (2012) : The blinding tree *Excoecariaagallocha* L. (Euphorbiaceae): A review. *Bodhi Bijan* 2:70–88 (ISSN: 2277-4831)
- **Chaudhuri KN** (2009) : The plants of prey. *Bodhi Bijan* 1:56–63(ISSN: 2277-4831)
- **Chaudhuri K**, Das S, Bandyopadhyay M, Zalar A, Kollmann A, Jha S, Tepfer D (2009) : Transgenic mimicry of pathogen attack stimulates growth and secondary metabolite accumulation. *Transgenic Research* 18:121–134 [ISSN: 0962-8819 (Print) 1573-9368 (Online)]
- **Chaudhuri KN**, Ghosh B, D Tepfer, Jha S (2006) : Spontaneous plant regeneration in transformed roots and calli from *Tylophoraindica*: changes in morphological phenotype and tylophorine accumulation associated with transformation by *Agrobacterium rhizogenes*. *Plant Cell Reports* 25:1059-1066 [ISSN: 0721-7714 (Print) 1432-203X (Online)]
- Jha S, Bandyopadhyay M, **Chaudhuri KN**, Ghosh S, Ghosh B (2005) : Biotechnological approaches for the production of forskolin, with anolides, colchicine and tylophorine. *Plant Genetic Resources: Characterization and Utilization* (Special Issue on Medicinal and Aromatic Plants) 3:101-115 [ISSN: 1479-2621(Print) 1479-263X (Online)]
- **Chaudhuri KN**, Ghosh B, D Tepfer, Jha S (2005) : Genetic transformation of *Tylophoraindica* with *Agrobacterium rhizogenes* A4 : growth and tylophorine productivity in different transformed root clones. *Plant Cell Reports* 24:25-35 [ISSN: 0721-7714 (Print) 1432-203X (Online)]

- **Chaudhuri KN**, Ghosh B, Jha S (2004) : The root: A potential new source of competent cells for high-frequency regeneration in *Tylophora indica*. *Plant Cell Reports* 22:731-740 [ISSN: 0721-7714 (Print) 1432-203X (Online)]
- Lahiri S, Panda S, **Pal AK** : It's high time for tea! *Bodhi Bijnan*(accepted for publication)
- **Pal AK** (2014) : SEM studies on the conidial morphology of some *Pestalotiopsis* species occurring on mangrove plants. *Journal of Mycopathological Research* 46: 13-21 (ISSN : 0971-3719)
- **Pal AK** and Purkayastha RP (2001) : Variability in *Colletotrichum gloeosporioides* a common parasite of some mangrove plants of Sundarbans. *Journal of the National Botanical Society* 54: 1-5 (ISSN: 0006-811X)
- De R, Purkait R, **Pal AK** and Purkayastha RP (1999) : Differential inactivation of pectolytic enzymes of some tannin-responsive microfungi isolated from mangrove plants. *Indian Journal of Experimental Biology* 37: 706-709 (ISSN: 0019-5189)
- Purkayastha RP and **Pal AK** (1998) : SEM studies on a mangrove rust of Sundarbans (Eastern India). *Mycological Research* 102: 692-694 (ISSN: 0953-7562)
- Purkayastha RP and **Pal AK** (1996) : New foliar fungi from Indian mangroves (Sundarbans). *Indian Phytopathology* 49: 9-21 (ISSN: 0191-2917)
- Purkayastha RP and **Pal AK** (1993) : Two new species of *Pestalotiopsis* on mangrove trees in the Sundarbans. *Bulletin of the Botanical Survey of India* 35: 94-98 (ISSN: 0006-8128)
- **Pal AK** and Purkayastha RP (1992) : New parasitic fungi from Indian mangrove. *Journal of Mycopathological Research* 30: 173-176 (ISSN: 0971-3719)
- **Pal AK** and Purkayastha RP (1992) : Foliar fungi of mangrove ecosystem of Sundarbans, Eastern India. *Journal of Mycopathological Research* 30: 167-171 (ISSN: 0971-3719)
- **Mukherjee A** (2015) : Computational analysis of a cys-loop ligand gated ion channel from the green alga *Chlamydomonas reinhardtii*.

Molecular Biology: 49: 742-754 [ISSN: 0026-8933 (Print), 1608-3245 (Online)]

- **Mukherjee A** (2015) : Computational study of a bifunctional-terpene synthase from *Physcomitrella patens* (Hedw.) Bruch & Schimp. : an insight into the origin of terpenoid biosynthesis in plants. *ActaBotanicaGallica: Botany Letters* 162: 139-152 [ISSN: 1253-8078 (Print), 2166-3408 (Online)]
- **Mukherjee A** (2014) : Effect of gamma-aminobutyric acid (GABA) on root growth of *Allium sativum*. *Indian Journal of Fundamental and Applied Life Sciences* 4: 171-175 [ISSN: 2231- 6345 (Online)]
- Naskar N, **Mukherjee A**, Mukhopadhyay S and Naskar K (2013) : Distribution and diversity of tapered blue-green (Rivulariaceae) in brackish water fisheries of Sunderbans, India. *Indian Journal of Plant Sciences* 2: 109-117 [ISSN: 2319-3824 (Online)]
- Naskar N, **Mukherjee A**, Naskar K, Hassan MA and Mukhopadhyay S (2013) : Studies on brackish water epiphytic algae from Sundarbans in North 24 Parganas district, West Bengal, India. *Research in Plant Biology* 3: 31-41 [ISSN: 2231-5101 (online)]
- **Mukherjee A** and Roy SC (2013) : Karyotype analysis of some species of Asparagales. *Current Botany* 4: 38-42 [ISSN: 2220-4822 (online)]
- **Mukherjee A**, Sikdar B, Ghosh B, Banerjee A, Ghosh E, Bhattacharya M and Roy SC (2013) : Isozymevariation in some economically important species of the genus *Allium* L.(Alliaceae). *Journal of Herbs, Spices & Medicinal Plants* 19: 297-312 [ISSN: 1049-6475 (Print), 1540-3580 (Online)]
- **Mukherjee A**, Sikdar B, Ghosh B, Banerjee A, Ghosh E, Bhattacharya M and Roy SC (2013) : RAPD and ISSR analysis of some economically important species, varieties, and cultivars of the genus *Allium* (Alliaceae). *Turkish Journal of Botany* 37: 605-618 [ISSN: 1300-008X (Print), 1303-6106 (Online)]
- **Mukherjee A** (2012) : Homology modeling and *in-silico* characterization of synaptotagmin 1 (SYT1) protein from *Arabidopsis thaliana* (L.)Heynh. *Research in Plant Biology* 2: 10-22 [ISSN : 2231-5101 (online)]

- **Mukherjee A** (2012) : *In-silico* prediction of three dimensional structure of a plant acetylcholinesterase. *Journal of the Botanical Society of Bengal* 66: 21-28 [ISSN: 0971-2976 (Print)]
- **Mukherjee A** and Roy SC (2012) : Karyotype analysis of five species of *Allium*. *Indian Journal of Fundamental and Applied Life Sciences* 2: 374-383 [ISSN: 2231- 6345 (Online)]
- **Mukherjee A** (2012) : The putative synaptotagmin protein encoded by the SYT1 gene of the picoplanktonic alga *Micromonas* is a novel member of C2-domain containing proteins: evidence from *in silico* characterization and homology modeling. *International Journal of Biosciences* 2: 36-52 [ISSN: 2220-6655 (Print) 2222-5234 (Online)]
- **Mukherjee A** (2011) : Active compounds from ginger as inducers of mitochondrial apoptotic pathway: an *in-silico* prediction. *Medicinal and Aromatic Plant Science and Biotechnology* 5: 109-113 [ISSN: 1752-3389 (Print)]
- Sikdar, B., Bhattacharya, M., **Mukherjee A**, Banerjee, A.Ghosh, E., Ghosh, B, Roy SC (2010) : Genetic diversity in important members of Cucurbitaceae using isozyme, RAPD and ISSR markers. *BiologiaPlantarum* 54: 135-140 [ISSN: 0006-3134 (Print) 1573-8264 (Online)]
- **Mukherjee A**, Roy, SC, De Bera S., Jiang H-E, Li, X., Li, C-S., Bera, S. (2008) : Results of molecular analysis of an archaeological hemp (*Cannabis sativa* L.) DNA sample from North West China. *Genetic Resources and Crop Evolution* 55: 481-485 [ISSN: 0925-9864 (Print) 1573-5109 (Online)]

List of papers published in books:

- **Kumar S** and Roy SC (1992) : Alteration of sodium azide during *in vitro* growth of plant cells and its assay on yeast system. In: Manna GK and Roy SC (Eds) *Perspectives in Cytology and Genetics (Vol. VII)*, pp 345-353. Kolkata: All India Congress of Cytology and Genetics
- **Chaudhuri KN** and Chaudhuri S (2015) : The sacred groves of India: an overview of their role in the conservation of biological diversity. In: Jha P (Ed) *Biodiversity, Conservation and Sustainable Development: Issues and Approaches (Vol. I)*, pp 46-58. New Delhi: New Academic Publishers (ISBN 978-8186772751)
- Chaudhuri S and **Chaudhuri KN** (2014) : Sacred groves of India: exploring the cultural dimensions of a traditional ethno-ecological

institution. In: Ghosh L, Ghosh S (Eds) *Perspective Asia-Pacific : Proceedings of the International Association for Asian and Pacific Studies (Sixth Biennial International Conference, 2012, Kolkata)*, pp 36-46. Maha Bodhi Book Agency, Kolkata. (ISBN: 978-93-80336-95-4)

- **Pal AK** (2012) : Fungi in the mangrove forests of Indian Sundarbans: biodiversity and parasitism. In: Samanta AK and Panda S (Eds) *Some aspects of Coastal Vegetation in India (including Andamans and Sundarbans)*, pp 58-77. Principal/Teacher-in-Charge, Ramnagar College, East Midnapore (ISBN 978-93-5087-5512-4)

List of books edited:

- Jha S and **S Rai** (Eds) (2005) : *Changing Scenario in Biosciences: Basic and Applied*. Kolkata: UGC Academic Staff College, University of Calcutta

18. Faculty as members in :

a) **National Committees** : Dr. A.K. Pal, Founder Member, Prof. RP Purkayastha Memorial Committee, Kolkata

b) **International Committees:** Nil

c) **Editorial Boards** : Dr. K.N Chaudhuri, Associate Editor and member of the editorial board of the science journal *Bodhi Bijnan* (published by Vivekananda College, Kolkata); all teachers are members of the editorial board of the magazine *Botanica* (published by Botany Dept, Vivekananda College, Kolkata) since 2004.

19. Student projects

a) Percentage of students who have done in-house projects including inter-departmental/programme :

BSc Botany Honours/General Environmental Studies (Compulsory) project – 100%
Research Guidance Cell, Vivekananda College sponsored students' project – 25%

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies** : Nil

List of RGC-VC-sponsored students' project ongoing/completed with teachers as coordinator :

- **Dr. S Kumar (Rai)** : Herbal remedies used in some urban areas of South 24-Parganas: a survey (3 students, 2015-16); Genotoxic effects of some common food preservatives (2 students, 2012-13); Genotoxic effects of some common agro-chemicals on *Allium cepa* L. (3 students, 2010-11).
- **Mrs. M Mukhopadhyay** : Microbiological analysis of water quality of Behala, South 24 Parganas, West Bengal (3 students, 2014-15); Diversity of wall flora in Thakurpukur and adjoining areas (3 students, 2012-13).
- **Dr. KN Chaudhuri** : A Study of Adaptive Phenotypic Plasticity occurring among common Wetland Plant Species of South 24 Parganas (4 students, 2015-16); An investigation of the allelopathic potential of some common mangrove plant species from the Indian Sundarbans; An ethnomedicinal survey in the peri-urban areas of South 24 Parganas (3 students, 2014-15); Investigation of the allelopathic potential of some common invasive exotic weeds of South Bengal (3 students, 2013-14); Macrophyte diversity of wetland habitats in certain peri-urban areas of South 24 Parganas (3 students, 2012-13); Morphological diversity of fruit characters in brinjal germ plasm from Bishnupur-Mograhat area of South 24 Parganas (3 students, 2011-12).
- **Dr. AK Pal** : Mangrove forest of Indian Sundarbans: a treasure house of ethnobotanical medicine and also a reservoir of fungal inoculum (3 students, 2015-16)
- **Dr. A Mukherjee** : Comparative analysis of growth and morphology of some crop plants under arsenic stress (4 students, 2015-16); Study of vascular hydrophytic plants of some peri-urban water bodies around South Kolkata (4 students, 2015-16)

20. Awards/Recognitions received by faculty and students :

- **Dr. S Kumar(Rai)** was awarded
 - Senior Research Fellowship (NET) of CSIR (1991-1994)
 - Junior Research Fellowship (NET) of CSIR (1989-1991).

- **Mrs. M Mukopadhyay** was awarded
 - Gold Medal for PG Diploma in Sericulture, Indian Silk Board of Govt. of India (1992)
 - First-Class-First position in BSc Botany Honours. Examination of Kalyani University (1987)
 - National Scholarship of Govt. of India, during B.Sc Botany Honours and M.Sc Botany courses (1984-89)
- **Dr. KN Chaudhuri** was awarded
 - Indo-French Fellowship of CEFIPRA (2004)
 - Junior Research Fellowship (NET) of CSIR (2001-2002)
 - National Scholarship of Govt. of India, during M.Sc Botany PG Course (1997-99).
- **Dr. AK Pal** was awarded
 - Fellowship of Botanical Society of India (1998)
 - Research Associateship of CSIR (1997-1998)
 - Junior Research Fellowship of Ministry of Environment and Forest, Govt. Of India (1994-1997)
- **Dr. A Mukherjee** was awarded
 - Junior Research Fellowship (NET) of CSIR (2005-2006)
 - Junior Research Fellowship of DST (2004-2005).

21. List of eminent academicians and scientists/visitors to the department :

- ❖ **Mr. Sabyasachi Chakrabarty**, eminent actor and wild life enthusiast
- ❖ **Dr. Amitabha Chaudhuri**, Vice President, Product Development, Med Genome Inc., San Francisco (2014)
- ❖ **Dr. Moshir Rahaman**, Principal Scientist, Nuziveedu Seeds Pvt. Ltd., Kolkata (2014)
- ❖ **Prof. AP Prasad Das**, Dept. of Botany, North Bengal University (2014, 2007)
- ❖ **Dr. AK Sanyal**, Chairman, West Bengal Biodiversity Board, Kolkata (2013)
- ❖ **Dr. KR Naskar**, Principal Scientist (Retd), Central Inland and Fisheries Research Institute (ICAR), Kolkata (2012)

- ❖ **Dr. NC Barui**, Associate Professor (Retd.), Dept. of Botany, Surendranath College, Kolkata (2012)
- ❖ **Dr. Arijit Chakraborty**, Indian Forest Service, Rajasthan Cadre (2011)
- ❖ **Prof. AR Thakur**, Vice Chancellor, West Bengal University of Technology (2007)
- ❖ **Prof. Madhav Gadgil**, Chairman, Centre for Ecological Studies, IISC, Bangalore (2005)
- ❖ **Dr. Koustav Ganguly**, Post-Doctoral Fellow, Helmholtz Zentrum, Munich (2005)
- ❖ **Prof. ND Paria**, Professor, Dept. of Botany, Calcutta University (2004)
- ❖ **Prof. Samir Bhattacharya**, Director, Indian Institute of Chemical Biology (CSIR), Kolkata (2003)
- ❖ **Dr. Sumita Jha**, Reader, Dept. of Botany, Calcutta University (2001)

22. Seminars/Conferences/Workshops organized & the source of funding :

- a) National : Nil
b) International : Nil

23. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
BSc Botany Honours	298	53	15	26	100
BSc Botany General	--	106	40	50	

24. Diversity of students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
BSc Botany Honours	100	Nil	*
BSc Botany General	100	Nil	Nil

* **PurbashaMistry**, a Bangladeshi National, was a Botany Honours student from 2007-10.

25. How many students have cleared National and State competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc ? NA**26. Student progression :**

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	-
PG to Ph.D.	75%
Ph.D. to Post-Doctoral	45%
Employed :	
Campus selection	75%
Other than campus recruitment	15%
Entrepreneurship/Self-employment	60%
	15%

Approx. Data based on informal feedback from alumni during last 10 years

27. Details of Infrastructural facilities

- a) **Library** : Three libraries, viz. Central Library of the college, Seminar Library of the department and a Students' Library (since 2003, established with an initial contribution of Rs. 20,000.00 from a former teacher Dr. Kamalpani Roy Chaudhuri, managed and run by the Botany Honours students).
- b) **Internet facilities for staff & students:** One desktop computer with laser jet printer and broadband internet connection for the staff and students; staff and students can also avail this facility free of cost at the Computer Centre, Vivekananda College and DTP at nominal charge.
- c) **Class rooms with ICT facility** : One
- d) **Laboratories:** Four laboratories, viz. General Laboratory (with Herbarium); Honours Laboratory (with Museum); Biochemistry Laboratory and Instrumentation Laboratory (cum Teachers' Room).

28. Number of students receiving financial assistance from college, university, government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

29. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts :

- Commemoration of the birth anniversary of Carolus Linnaeus on May 23, 2015, with a lecture on his life and works and the screening of a nature documentary film.
- Special invited lecture on Cancer Biology on November 25, 2014 (funded by the college).
- Special invited lecture on Plant Breeding on August 28, 2014 (funded by the college).
- One-day Seminar on Medicinal Plants on July 22, 2014, with a seminar lecture and a photo exhibition along with the inauguration of the SuśrutaUdyāna:the Medicinal Plant Garden of Vivekananda College (funded by the college).
- KS Rao Memorial Lectures annually co-organized with the Dept. of Zoology — including the last (44th lecture), on December 3, 2014, with a seminar lecture and a photo exhibition(funded by the KS Rao Memorial Fund).

- One-day Seminar on *The Mangroves of South Bengal: Past and Present* on February 22, 2012, with two seminar lectures and a photo exhibition (funded by the Alumni Association of the Dept. of Botany, Calcutta University).
- One-day Seminar on Recent Developments in Life Sciences on July 25, 2019, with seminar lectures by five alumni working in prominent research laboratories/institutes (funded by the Alumni Association of the Dept. of Botany, Vivekananda College).
- One-day Seminar commemorating the Ter-Centenary of Carolus Linnaeus on February 13, 2007 with two seminar lectures (funded by the teachers of the department).

30. Teaching methods adopted to improve student learning :

- a) **Field Trips to Natural Habitats and Protected Areas:** This is aimed at acquainting students with plants in their natural environments and providing hands-on experience in field study techniques.
- **B. Sc. Botany Honours :** one annual excursion to another phytogeographical region such as the Eastern and Western Himalayas, the Western Ghats, etc. including visits to the Maenam WLS (2013), Rajaji NP (2011, 2006), Silent Valley NP (2010), Singalila NP (2007), Gangotri NP (2006), Neora Valley NP (2003), *Chapramari* WLS (2003); and two annual local excursions in the peri-urban region of Kolkata.
 - **B. Sc. Botany General/M.Sc. Environmental Sciences :** One annual local excursion in the rural peri-urban region of Kolkata.
- b) **Visits to Botanic Gardens, Museums and Herbaria:** Aimed at introducing students to rare and exotic plant species the basics of herbarium techniques, the department has its own Herbarium (housed in the Botany General Laboratory) with a modest collection of ferns, gymnosperms and flowering plants of the Lower Gangetic Delta and the Eastern Himalayas; the department also has its Botanical Museum (located in the Botany Honours Laboratory) with a good collection of wet and dry botanical specimens including algae, fungi, lichens, bryophytes, pteridophytes, gymnosperms and inflorescences and fruits of angiosperms.
- **B Sc Botany Honours:** one annual visit to Acharya Jagadish Chandra Bose Indian Botanic Garden and Central National Herbarium, Botanical Survey of India, Howrah; visits to Lloyd

Botanic Garden, Darjeeling (2013, 2007, 2003, 2002), State *Biodiversity Park Tendong*(2013),Orchid Research Station, Takdah (2013), Government Botanic Garden, Ooty (2010), Botanic Barden of National Botanical Research Institute, Lucknow (2009), Non-Timber *Forest Produce Museum*, Sukhna (2007, 2003), Silviculture Research Station, Lava (2003).

- **B Sc Botany General:** one annual visit to Acharya Jagadish Chandra Bose Indian Botanic Garden, Howrah.

- c) **Visits to Medicinal Plant Gardens** :This is aimed at generating awareness among students about the indigenous medicinal plant resources and the traditional systems of herbal medicine in India, as well as their conservation and sustainable use. Visits were organized to Charak Udyan, Botanical Survey of India, Howrah (2014, 2013, 2010, 2006, 2005, 2003), Medicinal Plant Garden, Agri-Horticultural Society of India, Kolkata (2013), Garden of Medicinal Plants, North Bengal University (2013), Medicinal Plant Garden, Sri Ramkrishna Ashram, Nimpith (2006),Medicinal Plant Garden, Silviculture Centre, Digha (2003-05).The department now has its own medicinal plant garden Suśruta Udyāna, named after the Father of Surgery and presently has a collection of about 100 indigenous medicinal plants pieces.

- d) **Visits to Industrial Sites** : This is to familiarize students with the serious problems of environmental pollution caused by industrial activities and the ways and means of controlling this.
 - **MSc Environmental Science:**one annual visit to industrial complex in adjoining industrial areas of South 24 Parganas.

- e) **Visits to other Academic/Scientific Organizations:**In order to introduce the students to modern and specialized laboratory facilities and emerging areas of research in plant sciences, visits were organised to Ethnobotany Museum, Botanical Survey of India, Howrah (2013), Tissue Culture Laboratory, RKM Vivekananda Centenary College, Rahara (2010), BirbalSahni Institute of Palaeobotany, Lucknow (2009), Krishi Vigyan Kendra, RKM, Nimpith (2006), Tissue Culture Laboratory, Dept. of Botany, Calcutta University (2004, 2002).

- f) **Wall Magazine** : Students are encouraged to contribute their original writings to the department wall magazine *Botanica* on various themes such as innovative thinking about the plant world (*Reflection*), biographies of biologists/botanists (*Personality*), botanical curiosities (*Do You Know?*), medicinal plants (*Herbal Healers*), recent advances in biology/botany (*Current Topics*), etc.

- g) **Plant Photography** : Students are also encouraged to contribute their original photos to the photography section of *Botanica (Shutterbugs)* and photography exhibitions organized alongside seminars with themes such as: *Back to Nature* (February 22, 2012), *Nature* (December 12, 2013) and *Flower Power* (July 22, 2014). An informal workshop in basic photography is organized every year for interested students before the annual excursions to prepare them technically for application in the field.

31. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The department participated in a general exhibition, organized in the campus on August 21-22, 2011 to commemorate the Diamond Jubilee Year of the college. Posters on the flora of India and various interesting aspects about the plant kingdom, preserved and live plant specimens and documentary films were displayed to the public (including the local school children) to increase their awareness about the environment and support its conservation.

32. SWOC analysis of the department and future plans :

Strength :

- Highly motivated faculty;
- Emphasis on integrating classroom, laboratory and field learning with basic research;
- Well-maintained laboratory;
- Regularly up dated library;
- Regular departmental publication;
- An active alumni association.

Weakness :

- Sanctioned faculty strength is only 5 as compared to 7 for laboratory-based departments;
- Modest technical/non-teaching staff strength;
- Shortage of floor space for an ever increasing number of students.

Opportunities :

- Motivate students to pursue higher studies and research in plant sciences and apply their knowledge in study the rich peri-urban flora of the Thakurpukur area,

- Monitor threats to their habitats (including wetlands) and document their use by the locals.

Challenges :

- Sustain quality teaching;
- Encourage students and alumni for higher studies, research and teaching;
- Motivate faculty and students for more publication and research despite the limitations of time and space.

Future Plans :

- Expansion of the botanical museum (including the building of an ethnobotany section) and the herbarium (register for Index Herbariorum);
- Setting up of a digital herbarium and photographic database for the local flora;
- Develop the medicinal plant garden into an *exsitu* conservation centre for local biodiversity;
- Setting up of type culture collection of follicolous fungi of mangrove plants (Indian Sundarbans);
- Run vocational courses on plant propagation, medicinal plant cultivation, mushroom cultivation and spawn production for local entrepreneurs;
- Organize annual photography/poster exhibitions-cum-competitions for school and college students;
- Organize tree-appreciation walks in the campus and its neighbourhood;
- Teachers are planning to publish books on Sundarban and Himalayan floras and local medicinal plants, etc;
- Organize annual tree-plantation programmes in the college ground and develop it into as a model green campus.

Annexure—I

Name	No. of Papers Published in Peer Reviewed Journals		Number of publications listed in International Database		Mono-graphs		Chapters in Books		Books Edited		Books with ISBN/ISSN numbers		Citation Index	Impact Factor
	National	Int'l	No.	Name	No.	Pub	No.	Pub	No.	Pub	No.	Pub		
Dr. Sutapa Kumar (Rai)	1 (+1*)	1	NA	NA	Nil	-	1	- All India Congress of Cytology and Genetics, Kolkata	1	Academic Staff College, University of Calcutta, Kolkata	Nil	-	-	0.1
Mrs. Meenakshi Mukopadhyay	3 (+1*)	0	NA	NA	Nil	-	Nil	Nil	Nil	-	Nil	-	-	-
Dr. Kuntal Narayan Chaudhuri	2 (+1*)	5 (+1*)	NA	NA	Nil	-	2	- New Academic Publishers , New Delhi - Maha Bodhi Book	Nil	-	Nil	-	-	0.7-2.5

								Agency, Kolkata						
Dr. Asis Kumar Pal	8 (+1*)	1 (+1*)	NA	NA	Nil	-	1	- Teacher- in-Charge, Ramnagar College, East Midnapore	Nil	-	Nil	-	-	0.5- 1.2
Dr. Ashutosh Mukherjee	7	8	NA	NA	Nil	-	Nil	Nil	Nil	-	Nil	-	-	0.5- 1.6

*Accepted for Publication

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1. **Name of the department** : **CHEMISTRY**
 2. **Year of Establishment** : 1950
 3. **Names of programmes /Courses offered (UG, PG)** : UG courses in BSc Chemistry Honours and BSc Chemistry General (University of Calcutta)
 4. **Names of Interdisciplinary courses and the departments /units involved** : NA
 5. **Annual/semester/choice based credit system (programme wise)** : Annual
 6. **Participation of the department in the courses offered by other departments** : Few teachers of our department used to share practical classes of Bio -Chemistry (Hons) course as well as M.Sc. (ENVS) distance education classes in every academic session.
 7. **Courses in collaboration with other universities, industries, foreign institutions, etc** : NA

8. Number of teaching posts :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	04(CAS)
Asst. Professors	12	03

9. 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
Dr. Ramjan Mondal	Ph.D. (Science)	Associate Professor	Inorganic Chemistry	27
Dr. Ratan Kumar Kar	Ph.D. (Science)	Associate Professor	Organic Chemistry	34
Dr. Surasri Chaudhuri	Ph.D. (Science)	Associate Professor	Physical Chemistry	16
Dr. Sanjib Kumar Bhar	Ph.D. (Science)	Associate Professor	Physical Chemistry	14
Mr Sirsendu Gayen	M.Sc	Assistant Professor	Organic Chemistry	7
Dr. Md. Selim	Ph.D (Science)	Assistant Professor	Inorganic Chemistry	9*
Mr. Yasin Nuree	M.Sc	Assistant Professor	Organic Chemistry	1

* including 1 year as Part-time Lecturer and 7 years as Assistant Teacher.

10. List of senior visiting faculty : Nil

11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

	Theory	Practical
Honours	22%	30%
General	20%	20%

12. Student-Teacher Ratio (programme wise) :

- iii) BSc Chemistry Honours - 27:1
iv) BSc Chemistry General - 65:1

13. Number of academic support staff (technical) and Non - Teaching staff :

- iii) Technical Staff - 1 (Graduate Laboratory Instructor)
iv) Non-Teaching Staff - 6 (Laboratory Attendants)

14. Faculty with ongoing / Completed projects :

Name	No. of Projects	Ongoing/ Completed	Year	Name of the Funding Agency	Whether Agency is National or International	Grants Received (inRs.)
Dr. Sanjib Kumar Bhar	2	Completed 2(two)	2008-2010	UGC (Minor) 10 th plan	National No.F.PSW-042/07-08 (ERO)	Rs 85,000/
Dr. Sanjib Kumar Bhar			2011 - 2014	UGC (Minor) 11 th plan	National No.F.PSW-060/11-12 (ERO)	Rs 1,99,000/

15. Research Centre /facility recognized by the University : NA

16. Publications

- Mondal. A, Mukherjee. N and **Bhar. SK**, *Galvanic deposition of hexagonal ZnO thin films on TCO glass substrate;* **Materials Letter**, **60**, 2006, 1748-1752 (**Impact factor- 2.269**) cited by **30**
- Mondal. A, Mukherjee. N and **Bhar SK**, *An electrochemical technique to deposit thin films of PbTe;* **Thin Solid Films**, **515**, 2006, 255-1259 (**Impact factor- 1.867**) Cited by **19**
- **Bhar SK**, Mukherjee. N, Maji. S, Adhikary. B and Mondal. A, *Synthesis of Nano - crystalline iron oxide ultra thin films by thermal decomposition of Iron nitropruside: Structural and optical properties;* **Materials Research Bulletin**, **45**, 2010, 1948-1953 (**Impact factor- 1.968**) Cited by **11**
- Mukherjee. N, Show. B, Maji. S, Madhu. U, **Bhar. SK**, Mitra. BC, Khan. GG and Mondal. A, *CuO nano whiskers: Electrodeposition, Raman Analysis, photoluminescence study and photo catalytic activity;* **Materials Letter**, **65**, 2011, 3195-3198 (**Impact factor- 2.269**) Cited by **30**
- **Bhar. SK**, Jana. S, Mondal. A, Mukherjee. N, *Photocatalytic degradation of organic dye on porous iron sulfide surface;* **Journal of Colloid and Interface Science**, **393**, 2013, 286-290 (**Impact factor- 3.552**) Cited by **1**
- Jana. S, **Bhar. SK**, Mukherjee. N, Mondal. A, *Electrodeposition of polymer encapsulated cobalt sulfide thin films: search for a frequency switching material;* **Materials Letter**, **109**, 2013, 51-54 (**Impact factor- 2.269**)
- Paul SS, **Md Selim**, Saha A and Mukherjea KK, *Synthesis and structural characterization of di-oxo-molibdenum and dioxotungsten hydroxamato complexes and their function in the protection of radiation induced DNA damage*, Dalton Transaction **2014**, 43, 2835-2848. (ISSN1477-9226, IF: 4.197)
- Roy Chowdhury S , **Md. Selim** , Chatterjee S, Igarashic S, Yukawac Y, Mukherjea KK, *Synthesis, Structure, DNA binding and nuclease activity of 3d-4f mixed metal nitrosyl complex: [Pr(phen)₂(MeOH)(H₂O)₂][Fe(CN)₅(NO)] .(Phen) (DMF) (MeOH) (H₂O)* , Journal of Coordination Chemistry, **2012**. 65, 3469-3480. (ISSN 0095-8972 , IF: 2.224)
- **Md Selim**, Saha A and Mukherjea KK, *Synthesis, characterization and DNA Binding of the biologically relevant novel cationic Molybdenum(VI) glutathione complex [Mo(GS)(Cl)(H₂O)]Cl₂* , , Monatshefte fur Chemie Chemical Monthly, **2012**,143, 227-233. (ISSN-1434- 4475, IF : 1.596)
- **Md. Selim**, Sengupta A, Sadhu and Kalyan K *Relaxation of the folding around heme of Hemoglobin of Homo Sapiens by the food grade additive molecule, the Chlorophyllin.* Monatshefte fur Chemie Chemical Monthly, **2010**,141,933-938. (ISSN-1434- 4475, IF : 1.596)

- **Md Selim** and Mukherjea KK, *DNA binding and nuclease activity of oxo-peroxo molybdenum (VI) di-8-quinolinol complex*, Journal of Biomolecular Structure and Dynamics, **2009**, 26, 561-566. (ISSN 0739-1102, IF : 4.986)
- **Md Selim** and Mukherjea KK, *DNA binding and nuclease activity of oxo-peroxo molybdenum (VI) di-8-quinolinol complex*, Journal of Biomolecular Structure and Dynamics, **2009**, 26, 561-566. (ISSN 0739-1102, IF : 4.986)
- **Md. Selim**, Pal R, and Mukherjea KK, *Biophysical, spectroscopic vis-à-vis biochemical investigation on DNA- Metalloprotein interaction: A model study involving Cobalt(II)- glutathione Complex*, Gourisankar Panda, Monatshefte fur Chemie Chemical Monthly, **2009**, 140, 281-286. (ISSN-1434- 4475, IF : 1.596)
- Mukherjea KK , Panda G and **Md. Selim**, *Biophysical, spectroscopic and biochemical investigation on DNA- Cu(II)-GSH Interaction* , Transition Metal Chemistry **2008**, 33, 203-210. (ISSN 1572-901X, IF :1.306)
- **Md Selim** , Roy Chowdhury S and Mukherjea KK, *DNA binding and nuclease activity of a one dimensional heterometallic nitrosyl Complex*, International Journal of Biological Macromolecules **2007**, 41, 579-583.(ISSN 0141-8130, IF : 3.016)
- **Md. Selim** and Mukherjea KK, *Synthesis and crystal Structure determination of sodium molybdate dihydrate Francesco Capitelli*, Asian Journal of Chemistry **2006**, 18, 2856-2860. (ISSN 0975-427X, IF: 0.355)
- Mukherjea KK and **Md. Selim**, *Isolation and purification of a vertebral hemoglobin, the chicken hemoglobin, and its interaction with copper-glutathione complex*, Transition Metal Chemistry **2005**, 30, 496-498. (ISSN 1572-901X, IF :1.306)
- Singha R, Ahmed A, **Nuree Y**, Ghosh M, Ray JK, *KO^tBu mediated efficient approach for the synthesis of fused heterocycles via intramolecular O-/N-arylations. RSC Advances*, **2015**, 5, 50174. Publisher: Royal Society of Chemistry. ISSN: 2046-2069. Impact Factor: 3.907
- Ahmed A, Dhara S, Singha R, **Nuree Y**, Sarkar P, Ray JK. *Palladium catalyzed one-pot synthesis of 2-(pyridin-4-yl)quinolines via multicomponent unprecedented reaction of pyridine-4-carbaldehydes, 2-iodoanilines and triethylamine. RSC Advances*, **2014**, 4, 53137. Publisher: Royal Society of Chemistry. ISSN: 2046-2069. Impact Factor: 3.907.

- Dhara S, Singha R, Ahmed A, Ghosh M, **Nuree Y**, Ray JK. Synthesis of α , β , γ -carbolines via Pd-mediated C_{sp^2} -H/N-H activation. *RSC Advances*, **2014**, 4, 45163. Publisher: *Royal Society of Chemistry*. ISSN: 2046-2069. Impact Factor: 3.907.
- Dhara S, Singha R, Ghosh M, Ahmed A, **Nuree Y**, Das A, Ray JK. *Pd-free Sonogashira coupling: one pot synthesis of phthalide via domino Sonogashira coupling and 5-exo-dig cyclization*. *RSC Advances*, **2014**, 4, 42604. Publisher: *Royal Society of Chemistry*. ISSN: 2046-2069. Impact Factor: 3.907.
- Dhara S, Singha R, **Nuree Y**, Ray JK. *One-pot synthesis of isoquinoline and related compounds via Cu-mediated tandem cross-coupling and cyclization*. *Tetrahedron Lett.*, **2014**, 55, 795. Publisher: *Elsevier Ltd*. ISSN: 0040-4039. Impact Factor: 2.379.
- Ahmed A, **Nuree Y**, Das A, Ray JK. *Aerobic ligand-free domino Suzuki coupling-Michael addition reaction catalyzed by in situ generated palladium nanoparticles in water: a general method for the synthesis of benzo[c]chromene derivatives*. *Tetrahedron Lett.*, **2013**, 54, 665. Publisher: *Elsevier Ltd*. ISSN: 0040-4039. Impact Factor: 2.379

17. No. of Faculty as members in

- a) National committees : NA
- b) International Committees : NA
- c) Editorial Boards : NA

18. Student projects :

a) Percentage of students who have done in-house projects including inter Departmental/programme :

- BSc Chemistry Honours/General Environmental Studies (Compulsory) project – 100%
- **The Research Guidance Cell (RGC)** of our college usually provides financial assistance to the teachers to conduct innovative research project involving small group of students. Usually 2% of students involve themselves for the research oriented project work. Details of such projects are given below :

Ref No	Title of the Project	Name of the Project Coordinator	Tenure of the project
VC/RGC/01/10	Urban & rural outdoor dust fall and its nature	Prof. Sambhunath Nandi	April 2010 – December 2010
VC/RGC/04/10	Separation efficiency of Fe ³⁺ and Cr ³⁺ by alkaline hydrogen peroxide solution	Dr. Ramjan Mondal	April 2010 – December 2010
VC/RGC/03/10	COD Level of Water in Different Natural Water bodies	Dr. Sanjib Kumar Bhar	April 2010 – December 2010

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies : NA

19. Awards /Recognitions received by faculty and students

:

- **Dr. Sanjib Kumar Bhar** was awarded
 - Award of excellence for presentation of paper at the 20th West Bengal State Science & Technology Indian Chemical Society, Bengal Engineering and Science University, Shibpur and West Bengal Science & Technology Council and Department, Government of West Bengal (2013)
- **Sirsendu Gayen** was awarded
 - Third Prize (Theme: festivals of West Bengal), Information & cultural affairs department , Government of West Bengal(2009)
 - National Photo Award, Photo Division , Ministry of Information and Broadcasting , Government of India

(2011-12)

- Humanity Photo Performance Award, UNESCO(United Nations Educational, Scientific and cultural Organization) & CFPA(Cina Folklore Photographic Association)(2013)
- Lalit Kala Academy Award, Gujarat State Lalit Kala Academy, Govt. of Gujrat(2014)
- First Prize, Bio Diversity Board, Uttarakhand Government(2014)
- Second Prize, Bio Diversity Board, Telengana Government(2015)
- **Dr. Md Selim** was awarded
 - Prof. B.C. Halder Memorial Award (Young Scientist), Indian Chemical Society, Indian Chemical Society(2008)

20. List of eminent academicians and scientists/visitors to the department

Dr. Banomali Pal, Associate Professor, School of Chemistry and Biochemistry, Thapar University, Patiala.

21. Seminars / Conferences /Workshops organized & the source of funding :

- a) National :** UGC Sponsored National Seminar on Advances in Environmental Science and Technology, Organized jointly by Department of Environmental Science & Department of Chemistry, VIVEKANANDA COLLEGE(Feb., 2011)
- b) International :** Nil

22. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
BSc Chemistry Honours	818	81	39	17	97.06
BSc Chemistry General	--	316	128	109	--

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
B.Sc. Chemistry Honours	98	02	--
B.Sc. Chemistry General	100	--	--

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA**25. Student progression :**

Student progression	Against % enrolled
UG to PG	95%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed : Campus selection	-

Other than campus recruitment	
Entrepreneurship/Self-employment	-

- 26. Details of Infrastructural facility :**
- a) Seminar Library (No. of Books) : 154**
- b) Internet facilities for Staff & Students :** One desktop computer with printer and broadband internet connection for the staff and students; staff and students can also avail this facility free of cost at the Computer Centre, Vivekananda College.
- c) Class rooms with ICT facility : 01**
- d) Laboratories :** Both Honors and General Chemistry laboratories are well equipped with modern facilities such as Spectrophotometers, Polarimeters, pH meters, Thermostat, reduced pressure solvent evaporation pumps, sophisticated melting point apparatus, Conduct meters, Potentiometers, Digital balances, Constant Temperature Bath point determination instrument etc.
- i. **Physical chemistry laboratories** : Two
 - ii. **Organic Chemistry laboratory** : One
 - iii. **General Chemistry laboratory** : One
 - iv. **Inorganic chemistry laboratory** : One
- 27. Number of students receiving financial assistance from college, university, Government or other agencies :**
- All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.
- 28. Details on student enrichment programmes (special lectures/workshops/seminar) with external expert : NA**
- 29. Teaching methods adopted to improve student learning :**
- Generally PowerPoint presentation method and demonstration of chemical model are adopted as a tool to improve student learning in the theoretical classes.

30. Participation in Institutional Social Responsibility (ISR) and Extension activities: NA**31. SWOC analysis of the department and Future plans :****Strength :**

- Student performance
- Roll strength
- Excellent academic atmosphere
- Well-equipped laboratories

Weakness :

- Shortage of non-teaching staff

Opportunity :

- Students get familiar with research activities under *Research Guidance Cell*.
- Students have the opportunity to be familiar with the basic concepts of *Photography* under photography cell.
- Participation in different social and cultural activities through *NSS* and *different cells*.
- Scope to develop soft skill and computer based knowledge *via* different program offered by DOEACC.

Challenges :

- More emphasis will be given for Department–Research institution and Department–Industry collaborative approaches.
- Frequent visit of students into industrial laboratory as well as research laboratory be arranged so that students be more acquainted with advanced level of chemistry related jobs
- To offer jobs to more students through the placement cell.

Future Plans:

- Projector for ICT facility in class rooms
- One laboratory for chemistry general practical
- Smart board to be introduced

Annexure - 1

Name of the Faculty	No. of Papers Published in Peer Reviewed Journals		Number of publications listed in International Database*		Monographs		Chapters in Books		Books Edited		Books with ISBN/ISS Numbers		Citation Index	Impact Factor
	National	Int'l	No.	Name	No.	Pub	No.	Pub	No.	Pub	No.	Pub		
Dr. Sanjib Kumar Bhar		6(six)	6(six)	1. Materials Letter, 60 , 2006, 1748-1752							ISSN 0167-577X		30	2.269
				2. Thin Solid Films, 515 , 2006, 255-1259							ISSN 0040-6090		19	1.867
				3. Materials Research Bulletin, 45 , 2010, 1948-1953							ISSN 0025-5408			1.968
				4. Materials Letter, 65 , 2011, 3195-3198							ISSN 0021-9797		11	2.269
				5. Journal of Colloid and Interface Science, 393 , 2013, 286-290							ISSN 0167-577X		30	3.552
				6. Materials Letter, 109 , 2013, 51-54									1	2.269

Name of the Faculty	No. of Papers Published in Peer Reviewed Journals		Number of publications listed in International Database*		Monographs		Chapters in Books		Books Edited		Books with ISBN/ISS Numbers		Citation Index	Impact Factor
	National	Int'l	No.	Name	No.	Pub	No.	Pub	No.	Pub	No.	Pub		
Dr Ratan Kumar Kar				1. Fundamentals of organic synthesis the retro synthetic analysis Volume-II- New Central Book Agency(P) Ltd-2007(ISBN 81-7381-041-9)							ISBN 81-7381-041-9			
				2.Application of Redox and Reagents in Organic Synthesis : Volume-I, New Central Book Agency(ISBN 81-7381-582-8)							ISBN 81-7381-582-8			
				3.Frontier Orbital and symmetry Controlled Pericyclic Reactions-Books and Allied Ltd-2009(ISBN 81-87134-64-X)							ISBN 81-87134-64-X			

Dr. Md Selim	10 (Ten)	10 (Ten)	1. Transition Metal Chemistry 2005, 30, 496-498.	ISSN 1572-901X	1.306
			2. Asian Journal of Chemistry 2006, 18, 2856-2860.	ISSN 0975-427X	0.355
			3. International Journal of Biological Macromolecules 2007, 41, 579-583.	ISSN 0141-8130	3.016
			4. Transition Metal Chemistry 2008, 33, 203-210.	ISSN 1572-901X	1.306
			5. Monatshefte fur Chemie Chemical Monthly, 2009,140,281-286.	ISSN-1434-4475	1.596
			6. Journal of Biomolecular	ISSN-1434-4475	4.986

				Structure and Dynamics , 2009, 26, 561-566.							ISSN 0095-8972		1.596
				7. Monatshefte fur Chemie Chemical Monthly , 2010,141,933-938.							ISSN 1477-9226		2.224
				8.Monatshefte fur Chemie Chemical Monthly , 2012,143, 227-233.									4.197
				9.Journal of Coordination Chemistry , 2012. 65, 3469-3480.									
				10. Dalton Transaction 2014, 43, 2835-2848.									

Yasin Nuree	7	7	1.RSC Advances, 2015, 5, 50174	ISSN: 2046-2069	3.907
			2. RSC Advances, 2014, 4, 53137	ISSN: 2046-2069	3.907
			3. RSC Advances, 2014, 4, 45163	ISSN: 2046-2069 ISSN: 2046-2069	3.907
			4. RSC Advances, 2014, 4, 41561	ISSN: 2046-2069	3.907
			5. RSC Advances, 2014, 4, 42604	ISSN: 0040-4039	3.907
			6. Tetrahedron Lett., 2014, 55, 795	ISSN: 0040-4039	2.379
			7. Tetrahedron Lett., 2013, 54, 665		2.379

*(For Eg:Web of Science,Scopus,Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)

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1. **Name of the department** : **COMPUTER SCIENCE**
2. **Year of Establishment** : 2004
3. **Names of Programmes/ Courses offered(UG,PG)** : UG courses in B.Sc. Computer Science Honours and B.Sc. Computer Science General (University of Calcutta)
4. **Names of Inter disciplinary courses and the departments/ units involved** : NA
5. **Annual/semester/choice based Credit system (programme wise)** : Annual
6. **Participation of the department In the courses offered by other Departments** : NA
7. **Courses in collaboration With other universities, industries, Foreign institutions, etc.** : NA
8. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	Not applicable
Asst. Professors	Nil	Nil

9. 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
JhumaMazumder	M.Tech, MCA	Whole time Teacher (Govt Approved)	Information Technology	8
Mahuya Paul	M.Tech, MCA,MBA	Part-time Teacher	Computer Science & Application	7
AmitavBiswas	MCA, MBA	Whole time Teacher (College Appointed)	Computer Science & Applications, Microprocesso r& Digital Electronics	6
Bodhisattwa Das	MCA, M.Tech	Whole time Teacher (College Appointed)	Computer Science & Application, Information Technology	5

10. List of senior visiting faculty : **None**

11. Percentage of lectures delivered and practical classes handled (programwise) by temporary faculty :

	Theory	Practical
General	--	33%

12. Student-Teacher Ratio (programwise) :

- i) BSc Computer Science Honours – 20:1
- ii) BSc Computer Science General – 10:1

13. Number of academic support staff(technical) and Non-Teachingstaff :

- i) Technical Staff - 1
- ii) Non-Teaching Staff - 0

14. Faculty with ongoing/ Completed projects : NA**15. Research Centre/facility recognized by the University: NA****16. Publications per faculty : None****17. No. of Faculty as members in : None****18. Student projects :****a) Percentage of students who have one in-house projects including inter- departmental/program:**

- o BSc Botany Honours/General Environmental Studies (Compulsory) project - 100%
- o B.Sc. Computer Science Honours - 100% [As part of the syllabus till 2013 for Honours students]

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies - NA**19. Awards/Recognitions received by faculty and students:NA****20. List of eminent academicians and scientists/visitors to the department : NA****21. Seminars/Conferences/Workshops organized & the source of funding :**

Title	Year	Funding Agency: National/International Collaborative Organization
National Robotics Championship	13 th & 14 th February,2015	IIT Bombay, ARK Techsolutions, Vivekananda College,Kolkata-63

22. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
BSc Computer Science Honours	500	55	28	18	100
BSc Computer Science General	--	77	45	22	--

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
BSc Computer Science Honours	100	Nil	Nil
BSc Computer Science General	100	Nil	Nil

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civilservices, Defense services, etc.?: NA**25. Student progression** :

Student progression	Against % enrolled
UG to PG	76%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-

Employed :	
Campus selection	-
Other than campus recruitment	-
Entrepreneurship/Self-employment	-

26. Details of Infrastructural facilities

a) Seminar Library (No. of Books) : NA

b) Internet facilities for Staff & Students : 18 Computers in the department have internet facility; available both for Staff and Students.

c) Class rooms with ICT facility : Two

a. Laboratores:

i) Software Lab (with software specification) :

Serial No	System	Processor with RAM size	Hard Disk Drive Size(In Giga Bytes,approx)
USER 1	Microsoft Windows XP Professional, Version 2002,Service Pack 3 and Linux	Pentium(R)Dual Core CPU 3.02GHz With 2 GB Of RAM	250 GB
USER 2	DO	DO	500 GB
USER 3	DO	Pentium(R)Dual Core CPU 2.80GHzWith 1 GB Of RAM	250 GB
USER 4	DO	Pentium(R)Dual Core CPU 3.02GHz	500 GB

		With 2 GB Of RAM	
USER 5	DO	Pentium(R)Dual Core CPU 3.02GHz With 1 GB Of RAM	250 GB
USER 7	DO	DO	250 GB
USER 8	DO	Intel(R)Core(TM) Duo CPU 2.19GHz With 2 GB Of RAM	250 GB
USER 9	DO	Intel(R)Pentium(R) CPU G620 2.59GHz With 2 GB Of RAM	500 GB
USER 10	DO	DO	500 GB
USER 11	DO	DO	500 GB
USER 14	DO	Pentium(R)Dual Core CPU 3.02GHz With 2 GB Of RAM	250 GB
USER 15	DO	Pentium(R)Dual Core CPU 2.60GHz With 1 GB Of RAM	250 GB
USER 16	DO	Pentium(R)Dual Core CPU 2.70GHz With 1 GB Of RAM	250 GB
USER 7	DO	DO	250 GB
USER 17	Windows 7 and Linux	Pentium(R)Dual Core CPU 3.00GHz With 2 GB Of RAM	500GB
USER 18	DO	DO	500GB
USER19	DO	DO	500GB
USER20	DO	DO	500GB

Software used :

Package	Language	RDBMS	Scripting
VB 6	Turbo C/C++ or DEV C/C++	Oracle 9i	Shell script under LINUX environment

ii) Hardware Laboratory : NA

27. Number of students receiving financial assistance from college, university, government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

28. Details on student enrichment programs (special lectures/workshops/Seminar) with external experts :
None

29. Teaching methods adopted to improve student learning :

Class tests are taken continuously so that teachers should have the idea how students are learning various topics.

30. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

31. SWOC analysis of the department and Future plans :

Strength :

- Well equipped hardware and software laboratories.
- Good performance in University Examinations.
- Many pass out students are employed in MNCs and public sector.

Weakness :

- Number of full time teachers should be increased so that classes can be taken more efficiently.

Opportunities:

- Being a job oriented course, student's interest is gradually increasing.

Challenges:

- To enhance the placement of our students.
- To remain upto the mark.

Future Plans :

- To organize Seminars, Lectures by external subject experts, workshops will be our prime concerns towards students so that their knowledge base as well as employability could be increased.
- To increase number of computers in software laboratory so that “student : machine” ratio can reach “1:1” .
- Student’s involvement in extracurricular activities should be further enhanced.

- 1. Name of the department** : **ECONOMICS**
- 2. Year of establishment** : 1954
- 3. Names of programmes /courses offered (UG, PG)** : UG courses in B.Sc. Economics Honours and B.A/B.Sc. Economics General (University of Calcutta)
- 4. Names of interdisciplinary courses and the departments /units involved** : NA
- 5. Annual/semester/choice based credit system (programme wise)** : Annual
- 6. Participation of the department in the courses offered by other departments** : Nil
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc** : Nil
- 8. Number of teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	02(CAS)
Asst. Professors	04	01

9. Faculty profile with name, qualification, designation, specialization,(DSc/DLitt/PhD/Mphiletc) :

Name	Qualification	Designation	Specialization	No. of Yearsof Experience
Dr. Tapasi Biswas	M.A, M.Phil, PhD	Associate Professor	Econometrics and Agricultural Economics	34
Dr.Pampa Sen Gupta	MSc, M.Phil ,PhD	Associate Professor	Statistics and Econometrics	18
Dr. Atanu Thakur	MSc, PhD	Assistant Professor	Advanced Economic Theory	16
Subrata Kundu	M.Sc.	Part time Lecturer (Govt. Approved)	International Economics	11
Amrita Bhattacharjee	M.Sc.	Part time Lecturer (College Appointed)	Advanced Economic Theory	8
Sujit Thakur	M.Sc.	Temporary Faculty	Money and Finance	1

10. List of senior visiting faculty : NA

11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

	Theory	Practical
Honours	10%	Not applicable
General	10%	Not applicable

12. Student -teacher ratio (programme wise) :

- iii) BSc Economics Honours – 1:17
- iv) BSc Economics General – 1:25

13. Number of academic support staff(technical) and non-teaching staff :

- iii) Technical Staff – Not applicable
- iv) Non-Teaching Staff – Not applicable

14. Faculty with ongoing/completed projects :

Name	No. of Projects	Ongoing/ Completed	Year	Name of the Funding Agency	Whether Agency is National or International	Grants Received (inRs.)
Dr. Tapasi Biswas	3	completed	2000-02, 2007-09 and 2011-12	UGC	National	50,000, 85000 and 1,36000
Dr. Pampa Sen Gupta	1	Completed	2000-02	UGC	National	50,000
Dr. Atanu Thakur	1	Completed	2006-08	UGC	National	65000

15. Research centre/facility recognized by the university: Nil

16. Publications per faculty : NA

17. List of papers published in journals :

Publications in Journals/Conference Proceedings

- **Biswas, Tapasi** (1988): "Asangathita Kormakheta Mahilader Bhumika" in MANOBMON, Quarterly Journal, Oct -Dec
- **Biswas, Tapasi**(1996): "Asangathita Shilpa - Samasya & Baishitya" in MANOBMON, Quarterly Journal, Oct -Dec
- **Biswas, Tapasi**(1997): "Sarberia Krishichakra " in MANOBMON, Quarterly Journal, April-June
- **Biswas, Tapasi**(1997): "Matshya Chash - Egypter Drishtanta" in MANOBMON, Quarterly Journal, July-Sept
- **Biswas, Tapasi**(1998): "Shikhsa - Abyabasthar Panchash Bachar" in MANOBMON, Quarterly Journal, Jan-March
- **Biswas, Tapasi**(1999): "Mukta Arthaniti - Bharat O Chin " in MANOBMON, Quarterly Journal, Apr-June
- **Biswas, Tapasi**(1999): "Prathamik Siksha" in MANOBMON, Quarterly Journal, July-Sept
- **Biswas, Tapasi**(1999):" Socio-Economic Aspect of Vector Borne and Water -Borne Diseases Seminar lecture on Perspectives in Environmental Health , Organised by National Environmental Science Academy and International College of Nutrition during 4-5 December;1999

-
- **Biswas, Tapasi**(2000): “ Informal Economy – A Study – 7 Dec ,2000. Organized by Paschim Banga Vigyan Mancha and Calcutta School of Philosophical Research. National Seminar on Science, Philosophy and Society
 - **Sen Gupta, Pampa** (1998): “Women and Work in Major Metropolitan Cities in India”, Paper Presented at the First International Conference on “Quality of Life in Cities”, organized by National University of Singapore.
 - **Sen Gupta, Pampa** (2000): “ Quality of Life of Women in India”, Paper presented at the Second International Conference on “ Quality of Life in Cities”, organized by National University of Singapore.
 - **Sen Gupta, Pampa** and Robin Mukherjee (2000) : “ Quality of Life in India –An Interstate Analysis “, Paper Presented at the Second International Conference on, “Quality of Life in Cities” , organized by National University of Singapore.
 - **Sen Gupta, Pampa, Anirban Ghosh and Sujit Thakur**(2013): “Changing Pattern of Rural Workforce in India: Some Reflections For the Informal Sector”, Bodhi Artham , Voumel 03 ,Number 1, ISSN 2277-4831.
 - **Thakur, Sujit, Saikat Dutta and Pampa SenGupta** (2013): “ Myth And Reality of Swarnajayanti Gram Swarojgar Yojana: A Journey from Self Hep Group To Microenterprise in Thakurpukur-Maheshtala Block of South 24 Parganas District”,, Bodhi Artham , Volume 03 ,Number 1, ISSN 2277-4831.
 - **Thakur , Sujit, Anirban Ghosh and Pampa SenGupta** (2015): “Healthcare and Inclusive Growth in India: An Inter-state Analysis with Focus on North-East Indian States”, Accepted for publication in the Proceedings of the National Seminar on **Poverty ,Inequality and Health in India with Special Reference to North-East India** during 8-10 October,2015,Organized by North –Eastern Hill University Department of Economics, Shillong, India in Collaboration with Indian Statistical Institute, Kolkata.
 - **Bhattacharjee, Amrita and Pal, Prankrishna**(2014): “**Empowerment of Women through Self Help Groups: A Case Study**” published at **Journal of Economics**, Rabindra Bharati University, , Economics Department(Vol- VIII, 2014,ISSN: 0975-802X)
 - **Bhattacharjee, Amrita and Pal, Prankrishna**(2014): “**Microfinance through SHGs and Women Empowerment in West Bengal: A Case**

Study” presented at 16th Annual Conference of Economic Association of Bihar held on 30th August to 1st September 2014.

- **Bhattacharjee, Amrita and Pal, Prankrishna(2014):“ Urban Women Self-Help Programme and Women Empowerment: A Case Study in some Selected Municipalities of West Bengal”** paper presented at National Level Seminar on **“Women Empowerment in India: Challenges Ahead”** held on 21st September, 2014, organized by the Depts. of Economics and Political Science, Bangobasi College, Kolkata in collaboration with the Department of Economics, Naba Ballygunj Mahavidyalaya, Kolkata.
- **Bhattacharjee, Amrita(2014): “Role of Microfinance through SHGs in Entrepreneurship Development in West Bengal: A Case Study”** presented at International Conference of School of Management, National Institute of Technology, Rourkela(on 12th and 13th December 2014), SPRINGER publication(**ISBN: 978-93-5196-520-6**).
- **Bhattacharjee, Amrita and Pal, Prankrishna(2013): “ Self Help Groups and Women Empowerment in West Bengal”** , published at **Journal of Economics, Vidyasagar University(ISSN : 0975-8003)**.
- **Bhattacharjee, Amrita(2013): “ A Study on Participating in Self Help Groups- An Effective Tool of Women empowerment”** presented at **National Level Seminar** on Education For Sustainable Development in 21st Century organized by Union Christian Training College, Berhampur, Murshidabad,15th May 2013.
- **Bhattacharjee, Amrita(2013): “Microfinance Through Self Help Group And Women Empowerment”** published at, International Journal of Business, Management and Social Sciences(ISSN:2249-7463).
- **Bhattacharjee, Amrita(2013): “Incidence of Child Labor In India- An Overview”**published at IMS Management Journal, Kolkata, Vol 5, January issue, 2013. (**ISSN- 0975-0797**).
- **Bhattacharjee, Amrita(2012): “Is Microfinance the Real Engine for Inclusive Growth?- A Study:”** published at IMS Management Journal, Kolkata, Vol 4, January issue, 2012. (**ISSN- 0975-0797**).
- **Bhattacharjee, Amrita(2011): “Group Lending Activities of Micro finance- A Sustainable Approach for Women Empowerment** “presented at National Seminar on Sustainable Development: An Interdisciplinary Approach organized by Sarsuna College, 16th September, 2011.
- **Bhattacharjee, Amrita(2011): “Microfinance, the magic wand for sustainable development of the poor - A critical evaluation”**

published at IMS Management Journal, Kolkata, Vol 3, January issue, 2011(ISSN- 0975-0797).

- **Bhattacharjee, Amrita(2010): “Changing pattern of Secondary and Tertiary education in India”** published at IMS Management Journal, Kolkata, Vol 2, January issue, 2010 (ISSN- 0975-0797
- **Thakur, A (2010): “Making and Unmaking of (In)formal Sector”**—A paper co-authored with Dr. Anjan Chakrabarty, Department of Economics, Calcutta University published in Critical Sociology 2010, Vol. 36, No 3, PP 415-435. Sage Publication.
- **Thakur, A(2011:)** Case Study of Weaving Intervention in Thenzawl, Mizoram (Case Study No. 4) and National Agricultural Innovation Project (NAIP) in North-East India (Case Study No. 5) published in CESS Monograph 17 and RULNR Monograph-5 titled ‘Identification of Livelihood Opportunities and Challenges of Forest Dwellers in Upland Areas of North Eastern States of India’ published by Centre for Economic and Social Studies, Hyderabad. May 2011.
- **Thakur, A (2007):**‘ILO and its discourse around Informal Sector’ , bodhi artham, Vol. 1, No. 1; 2007, Kolkata.
- **Thakur, A (2006):**‘Bidhir Bandhan Katbe Tumi, Tumi Ki Emon Saktiman’ (in vernacular), Tepantar, Vol 4, July 2006, Kolkata.
- **Thakur, A (1999):**‘A Post-Modernist Enquiry into Women’s Workforce Participation’ published in The Indian Journal of Labour Economics, Vol. 42,No.4, 1999.

List of papers published in books:

- **Biswas, Tapasi(1998):**“ Manashik Pratibandhi Sishur Samasya” in Manorog Amader Kastabya –Aug. 1998, I S B N -81900943-1-9 , Pavlov Institute.
- **Sen Gupta, Pampa and Chandreyee, Das (2009):** “ Gender and Development some reflection, Chapter 8. Human Development Report, South 24 Pgs district, HDRCC, Development and Planning Department ,Government of West Bengal.

List of Books

- **Biswas, Tapasi(2009) :**“ Decentralized Production in West Bengal”, ISBN : 978-3-639-06504-6 VDM Verlag and Co. KG Dr. Muller Aktiengesellschaft

- **Sen Gupta, Pampa** (2004): **Labour Market Segregation and Gender-bias**, Discussion Paper Series, Number 28, September, Centre for Urban Economic Studies, University of Calcutta.

List of books edited:

- **Dr.Pampa SenGupta** edited the Proceedings Volume of UGC sponsored the **First** national level Workshop cum Seminar on **“Inclusive Growth : India in Global Perspective “** held at and organised by the department of Economics, Vivekananda college, Calcutta during 20-21 March, 2009. Copy has been submitted to UGC in September,2009.

Worked as a Resource Person

- **Dr. Pampa SenGupta** delivered seminar lecture at the Centre for Urban Economic Studies, University of Calcutta in 2004 on the topic “Labour Market segregation and gender-bias “.Later she delivered lectures on this topic
 - In the 41st Annual Conference of The Indian Econometric Society(TIES) held at Jadavpur University during 20-22 January,2005 and
 - In the 47th Annual Conference of the Indian Society of Labour Economics (ISLE) held at JNU during 15-17 December,2005.
- **Dr. SenGupta** delivered lecture in the capacity of a Discussant of the Paper entitled “A Fuzzy Approach to the Measurement of Freedom of Women “ authored by Sudeshna Chattopadhyay of Scottish Church College,Kolkata in the UGC sponsored National Seminar on **Development and Disparity** organized by and held at the Department of Economics, University of Calcutta during February ,2006.

18. Faculty as members in :

- a) **National Committees:** Amrita Bhattacharjee is a life member of Indian Economic Association and Bengal Economic Association
- b) **International Committees :** Nil
- c) **Editorial Boards :** Dr. Pampa SenGupta is the joint Associate Editor of *Bodhi Artham*, a journal of Economics, Commerce and Management, published by Vivekananda College, Kolkata. Dr. Atanu Thakur is

Editor of *BodhiArtham*.

19. Student projects

a) Percentage of students who have done in-house projects including inter-departmental/programme :

- B.Sc Economics Honours and B.A/B.Sc Economics General: Environmental Studies (Compulsory) project – 100%
- B.Sc Economics Part III(Honours):Term Paper (Compulsory) project – 100%
- Research Guidance Cell, Vivekananda College(RGC-VC) Sponsored Students' project – 15%

List of RGC-VC-sponsored students' projects ongoing/completed with teachers as coordinators :

- **Dr. Tapasi Biswas**
 - *Oil Price Hike in India* with three students in 2011-12
 - *Health Insurance in West Bengal* with one student in 2012-13
 - *Defense Expenditure in India* with three students in 2015-16.
- **Dr. Pampa SenGupta**
 - *An appraisal of of Swarnajayanti Gram Swarojgar Yojana with a focus on the Journey from Self Help Group To Microenterprise in Thakurpukur-Maheshtala Block of South 24 Parganas District* with five students in 2011-12.
 - *Health care and Inequality in India : What happens to the poor?* with four students during 2011-12.
 - *Educational Scenario and India's Economic Development: Some Reflections* with three students during 2012-13.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/other agencies

: Nil

20. Awards/Recognitions received by faculty and students :

Recognitions received by Faculty

- Dr. Pampa SenGupta was Invited as Judge in the Annual Economic Summits "Confluence" organized by the Department of Economics, St. Xavier's College and held at the College premises and she evaluated the following events:

- Concatenation ,the Paper Presentation during 19-20 September , 2008.
 - Lecture competition “ So you Think you can teach?” during September, 2010.
 - Paper Presentation in the broad theme “ The Indian Economy – Fundamental issues”, on September 25th ,2011
- **Dr. SenGupta** was inducted in the Referees Panel ,University of Calcutta as subject expert .She contributed in the revision of Undergraduate Syllabus in Economic Honours (Paper VII Group A : Statistics and Econometrics) in 2010.
 - **Amrita Bhattacharjee**, an alumna of this college has submitted her final thesis for Ph.D in Economics under the guidance of Dr. Pran Krishna Pal, Associate Professor, Department of Economics, Rabindra Bharati University. The title of her thesis is “Microfinance through SHGs and Women Empowerment: A study in Some Selected Municipalities of West Bengal”. She has authored several papers in some leading journals.
 - **Sujit Thakur**, an alumnus of Vivekananda College, secured 1st position in the Economics Departmental Student Seminar Lecture Competition at Vivekananda College, Kolkata in the year 2010. He was selected to work on a project titled “Urban Governance and Local Democracy in Karnataka and Andhra Pradesh” at the eminent Institute for Social and Economic Change (ISEC), Bangalore for a brief period spanning from April 2015 to July 2015. The project was sponsored by ICSSR. He was then selected for analytics Internship at the very prestigious Synchrony Financial (Formerly GE Capital), Hyderabad during the period from July 2015 to October 2015. He has gained hands-on practical experience with large scale data analysis in SAS 9.3 and working knowledge on retail finance. He has co-authored two papers, published in *Bodhi-Artham* 2013.

Achievements of the Students

Group Achievement in the field of subject

- The paper entitled “ **Information Technology in West Bengal- Prospects and Problems**” presented by Souvik Majumder, Kunal Bhowmick, Amitava Chowdhury and Anindita Mukherjee at the Confluence, an Economic Summit organized by the Department of Economics, St. Xavier’s College was awarded **2nd prize** in 2006.
- The paper entitled “ **Death of Planning ?**” presented by Devdip Roy Chowdhury, Imon Bhattacharyya and Sayan Shaw at the Conjecture

organized by Ramakrishna Mission Residential College, Narendrapur, Kolkata, was awarded **3rd prize** in September,2015.

Individual Achievement in the field of subject

- The essay entitled ‘ Sustainable Development: The Pillar And Foundation Of Inclusive Growth’ authored by by Aditi Sammaddar at the Confluence, an Economic Summit organized by Department of Economics , St. Xavier’s College was awarded 1st prize in 2014 .

Individual achievement in co-curricular activities by some of our present students

- Nilavo Roy has been awarded first prize in the debate competition organised by Competence Building Cell of or college in 2015. He has conceptualized and directed a dance recital 'bibek alo' for an event organised by KOLKATA POLICE (SOUTH WEST DIVISION)in 2015.
- Debadyuti Roy Chowdhury a first year Honours student has secured third prize in the above-mentioned competition.
- Devdip Roy Chowdhury has played Quarter final at CAB inter school league ,and has been playing 2nd Division Cricket under CAB for more than 3 years. He has also played for South 24 Parganas district for more than 2 years.
- Sayan Shaw had appeared for VIOLIN Examination and pursued till GRADE 3 (practical) held by the “THE ASSOCIATED BOARD OF THE ROYAL SCHOOLS OF MUSIC” and also achieved a distinction in a GRADE 1 (theory) examination held by the same institution.
- Avirup Sarkar has represented Vivekananda college in Inter Collegiate Aquatics (Men) organised by the University of Calcutta. He took part in 50m, 100m, and 200m freestyle events.
- Rupkana Basu has achieved Nrityabisharad degree(Graduate) from Pracheen Kala Kendra,Chandigarh. She have been also rewarded 2nd position by All India Music and Dance Competition conducted by Murari Smriti Sammilani.

21. List of eminent academicians and scientists/visitors to the department :

- ❖ Late Prof. Kalyan Sanyal,Department of Economics,University of Calcutta(2009)
- ❖ Prof. Sarmila Banerjee, Department of Economics,University of Calcutta(2009)

- ❖ Prof. Soumyen Sikder, Indian Institute of Management, Kolkata(2009)
- ❖ Prof. Ishita Mukherjee, Department of Economics, University of Calcutta(2009)
- ❖ Prof Anjan Chakravarty, Department of Economics, University of Calcutta()
- ❖ Prof. Ajitava Roy Chowdhury, Department of Economics Jadavpur University (2009)
- ❖ Prof. Rajat Acharjya, Department of Economics Jadavpur University (2009)
- ❖ Dr. R.V.Bhavani, Director, Food Security, MS Swaminathan Research Institute, Chennai(2009)
- ❖ Dr. Sankar Dutta, Dean, The Livelihood School, Hyderabad(2009)
- ❖ Prof. Raghabendra Chatterjee, Indian Institute of Management, Kolkata(2009)

22. Seminars/Conferences/Workshops organized & the source of funding :

- a) National : **Two(02)**
- UGC Sponsored National Level Workshop Cum Seminar on **Inclusive Growth : India in Global Perspective** during 20-21 March, 2009.
- b) International : Nil

23. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
B.Sc Economics Honours	156	46	15	20	100
B.A/B.Sc Economics General		180	74	94	--

24. Diversity of students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
B.Sc Economics Honours	100	Nil	Nil
B.A/B.Sc Economics General	100	Nil	Nil

25. How many students have cleared National and State competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc ? NA**26. Student progression :**

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	-
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed : Campus selection Other than campus recruitment	
Entrepreneurship/Self-employment	

27. Details of Infrastructural facilities

a) Library : Books on Economics are issued from two libraries, viz. the Central Library of the College and Seminar Library of the Department at regular interval. The Central library has around twelve hundred (1200) books while the seminar library contains eighty (80) books.

b) Internet facilities for staff and students : The department has two desktop computers of which one has broadband internet connection for the academic staff and students. The faculty and the students also avail this facility free of cost from the Computer Centre, Vivekananda College.

c) Class rooms with ICT facility : One (1)

d) Laboratories

: Not Applicable

28. Number of students receiving financial assistance from college, university, government or other agencies :

All eligible students belonging to SC/ST/OBC/Minority Community receive scholarships from Govt. of West Bengal.

29. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts :

The two-day UGC sponsored **First** national level Workshop cum Seminar on **“Inclusive Growth : India in Global Perspective “** held at and organised by the department of Economics, Vivekananda college , Calcutta during 20-21 March, 2009 may perhaps be termed as the first concretized endeavour of the faculty to enrich the level of teaching-learning method. While the eminent teachers spoke at length on various issues relating to inclusive growth of Indian economy in the background of globalization, five of our students presented papers on several aspects of the broad theme.

30. Teaching methods adopted to improve student learning :

- The faculty sincerely makes an endeavour to motivate the students for undertaking various programmes like research projects/delivering lectures on different topics organized by the college authority as well as by other academic institutions. Following are the reflections of this genuine effort:
 - Souvik Majumder, Kunal Bhowmick, Amitava Chowdhury and Anindita Mukherjee presented a paper entitled **“ Information Technology in West Bengal- Prospects and Problems”** at the first Confluence, an Economic Summit organized by the Department of Economics, St. Xavier’s College, Kolkata in 2006.
 - Debarshi Kanjilal, Debduitta Purakayastha, Madhumay Mallick and Prity Mehra presented a pater entitld **,”Political Economy of Oil: A Chronological Study of India”** at the Annual Economic Summit Confluence organized by the Department of Economics, St. Xavier’s College, Kolkata in 2008.
 - Utsab Hore, Moumita Karmakar, Saikat Dutta, Manibanya Ghosh and Debasmita Das presented a paper on **Poverty Alleviation Programmes in India –and Five Year Plans,** at the Annual Economic Summit Confluence organized by the Department of Economics, St. Xavier’s College, Kolkata in 2011.

- Madhumita Seal, Sureeta Das, Sourav Halder and Nilavo Roy presented a paper entitled **“Workers’ Participaton in Informal Sector India: A Study of Nature and Conditions of Employment”** at the Annual Economic Summit Confluence organized by the Department of Economics, St. Xavier’s College, Kolkata in September, 2014.
- Devdip Roy Chowdhury, Imon Bhattacharyya and Sayan Shaw presented a paper entitled, **“Death of Planning ?”** at the Conjecture organized by the Department of Economics, Ramakrishna Mission Residential College, Narendrapur, Kolkata in September 2015.
- Vishal Maity, Abhirup Sarkar and Anshuman Shaw presented a paper entitled, **“ India’s War against Inflation”** at the Conjecture organized by the Department of Economics, Ramkrishna Mission Residential College, Narendrapur, Kolkata in September 2015.
- **Visits to academic tours/ surveys is another method the department undertakes in this regard.** In fact, the department has a legacy of undertaking tours almost at regular intervals since 1999. Of the various tours, mentioned may be made of those surveys carried out on occupational Distribution of Residents of Darjeeling Town in 2003 and *Assessment of Tourism Industry in Darjeeling* in 2004.

31. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The department as a whole and some students in particular participated in a general exhibition, organized by the college authority on August 21-22, 2011 to commemorate the diamond jubilee celebration of the college. An endeavour was made to make the general mass, particularly the economically and socially backward ones, understand, in simple but interesting ways, both the economic and social perspectives of Indian economy through posters in the broad theme **“Inclusive Growth: India in Global Perspective”**. Strong and positive feedbacks were received from different sections of the society.

32. SWOC analysis of the department and future plans :

Strength

- Formation of a cohesive unit of students originating from heterogeneous socio-economic conditions.
- Regular classes, class tests and tutorials are held with utmost care by the faculty

- Adoption of some other techniques for improvising the teaching-learning method
- Academic tours/ surveys almost held at regular interval.
- Strong emotional cum intellectual bonding between the faculty and the students.
- Alumni Association formed in 2013 has been working quite satisfactorily.

Weakness

- Numerical strength of faculty falls short of its fullest extent: three(as against sanctioned posts for four (4) full-time teachers), three(3) full-time teachers along with a number of temporary faculty have been striving their best to run the department since 2001.
- Shortage of space to cater for the continuously increasing demand for admission of students

Opportunities

- As mentioned earlier, continuation of various methods adopted for enriching the teaching process is expected to open up newer vistas which would strengthen the department to a greater extent.
- Stronger Alumni Association would help us further in this regard.

Challenges :

- Motivating the students and striving hard to maintain the quality of teaching, despite facing several constraints.
- Make sincere efforts to continue research work by faculty and students.
- Strengthen the bonding between alumni and the existing group of students.

Plans for the Future:

- Improvising the classroom teaching further, by using projectors.
- Initiating vocational courses for exiting students along with regular classroom learning and Setting up of centers for imparting job-oriented training for different examinations.
- Setting up of data analytics courses, in collaboration with different analytics schools, at relatively cheap rate, to the extent possible for the students.
- Making provisions to enable the department to have its own journal containing write-ups of not only economics oriented topics but also of some other varieties.

1. **Name of the department** : **ELECTRONICS**
2. **Year of Establishment** :2002
3. **Names of Programmes /courses offered (UG,PG)** : UG Course in B.Sc
Electronics Honours
and B.Sc. Electronics
General (University
of Calcutta)
4. **Names of Interdisciplinary courses and the departments /units involved** : NA
5. **Annual/semester/choice based credit system (programmewise)** : Annual
6. **Participation of the department in the courses offered by other departments** : NA
7. **Courses in collaboration with other Universities, industries, foreigninstitutions, etc.** : NA
8. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	Nil
Asst. Professors	01	Nil

9. 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
Payel Banerjee	M.Sc.	Contractual Whole Time Teacher (College Appointed)	Electronics	1
Bijoy Kantha	M. Tech, Ph. D (submitted)	Part time teacher (Govt. Approved)	Electronics and Communication	9

10. List of senior visiting faculty : NA
11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NA
12. Student-Teacher Ratio (programme wise) :
- i. BSc Electronics Honours – 6:1
 - ii. BSc Electronics General – 20:1
13. Number of academic support staff (technical) and non-teaching staff : One
14. Faculty with ongoing projects : NA
15. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received : NA
16. Research centre/facility recognized by the University : NA

17. Publications :

List of journals, conferences, presentations, seminars etc.

International Journals:-

- **Kantha B.**, "Comparative Study Analysis of Particle Swarm Optimization and Genetic Algorithm for the Optimization of Parameter of MEMS based Micro-heater", Journal of Computational and Theoretical Nanoscience (ISSN: 1546-1955), American Scientific Publisher, Vol. 12, No. 8, August 2015, pp. 1641-1646, 2015.
- **Kantha. B.**, "Implementation of Pd modified WO₃ thin film gas sensing system with Bulk-CMOS and SOI-CMOS for monitoring leakage of hydrogen gas", Journal of Nanoelectronics and Optoelectronics (ISSN: 1555-130X), American Scientific Publisher, Vol. 10, No. 1, February-2015, pp.74-81, 2015.
- **Kantha B.**, "The Design of a low power MEMS based Micro-hotplate device using a novel nickel alloy for gas sensing applications", Journal of Nano-and Electronic Physics (ISSN: 2077-6772), Vol. 6, No. 1, 2014.
- **Kantha. B.**, "Electro-Thermo-Mechanical analysis of MEMS based Micro-hotplate for gas sensor Application", International Journal of Applied Engineering Research (ISSN: 0973-4562), Vol.7 No.11, 2012.
- **Kantha B.**, "Performance Improvement of Capacitive Micro-machined Ultrasonic Transducer with ZrO₂ Isolation Layer", International Journal of Applied Engineering Research (ISSN: 0973-4562), Vol. 6, No. 18, 2011.
- **Kantha B.**, "The effect of Pd sensitization on hydrogen sensing performance of sol-gel grown nano WO₃-Si hetero-junction sensor", IETE Journal of Research, Taylor & Francis (Communicated).

Conferences :

- "Design & Implementation of MEMS Micro-heater Suitable for Gas Sensor Application", Subir Kumar Sarkar. International Symposium on Devices MEMS intelligent Systems Communications (ISDMISC-2011), Sikkim. April 12-14, 2011.

- “Design and Electro-Thermal Analysis of MEMS Based Micro-hotplate for Gas Sensor”, Chennai and Dr.MGR University Second International Conference on Sustainable Energy and Intelligent System (SEISCON-2011), Dr. M.G.R. University, Maduravoyal, Chennai, Tamil Nadu. July 20-22, 2011.
- “Designing a micro-heater with genetic algorithm based optimized parameters and study its performance”, International Conference on Communications, Devices and Intelligent Systems (CODIS-2012), Jadavpur University, Kolkata. December 28-29, 2012.
- “Comparative Study on the influence of Pd-Ag and Au contacts on WO₃ thin film sensor for the Application of Hydrogen Sensing”. International Conference on Recent Trends in Engineering, Technology-2014 (ICRTET’14), OXFORD College of Engineering, Polur, Tiruvanamalai, Tamil Nadu, India. March 1-2, 2014.
- “n-WO₃ thin film sensor with Pd-Ag contact for hydrogen sensing application”, National Seminar on Thin Film and MEMS Science & Technology 2014 (NSTF & MT-14), Jadavpur University, Kolkata. March 21-22, 2014.
- “Influence of Pd-Ag contact and Al contact on Pd- modified WO₃ thin film sensor for detection of hydrogen gas”. International Conference on MEMS and Sensor (ICMEMSS-2014), IIT Madras, December 18-20, 2014.
- “Influence of Pd Surface Sensitization on Ethanol Vapor Sensing Performance of WO₃-Si based Thin Film Sensor” International Conference on Advanced Materials and Energy Technology (ICAMET) 2014 IEST Shibpur, West Bengal, December 17-19, 2014.
- “Implementation of a porous silicon substrate based Micro-heater using optimized parameters for gas sensing application”, Micro-2015, 11th July- 12th July 2015, Kolkata, India.

List of Presentations:

- “DESIGNING A MICRO-HEATER WITH GENETIC ALGORITHM BASED OPTIMIZED PARAMETERS AND STUDY ITS PERFORMANCE”, CODIS-12, Jadavpur University, 28th and 29th Dec., 2012.
- “Comparative Study on the influence of Pd-Ag and Au contacts on WO₃ thin film
- sensor for the Application of Hydrogen Sensing”. 1st March. ICRTET-14, Polur,
- Tiruvanamalai, Tamil Nadu, India.

- “Implementation of a porous silicon substrate based Micro-heater using optimized
- parameters for gas sensing application”, Micro-2015, 11th July- 12th July 2015,
- Kolkata, India.

List of Workshop/Seminar:

- “Introduction to MEMS Technology”, Jadavpur University, 3th -5th July, 2013.
- ”Application of Mathematics in Different Fields of Science”, Vivekananda College, Kolkata 27thFebruary, 2009.

18. Faculty as members in :

- | | | |
|-----------------------------|---|----|
| a) National committees | : | NA |
| b) International committees | : | NA |
| c) Editorial Boards | : | NA |

19. Student projects :

a) Percentage of students who have done in-house projects including inter-departmental/programme :

BSc Electronics Honours/General Environmental Studies (Compulsory) project – 100%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies : NA

20. Awards/Recognitions received by faculty and students

: NA.

21. List of eminent academicians and scientists/visitors to the department

: NA

22. Seminars/conferences/workshops organized & the source of funding

- | | | |
|------------------|---|----|
| a) National | : | NA |
| b) International | : | NA |

23. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
Electronics Honours	105	17	12	0	NA
Electronics General	--	29	13	12	

*First batch students are yet to sit in University Final Exam.

24. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
BSc Electronics Honours	100	Nil	--
BSc Electronics General	100	Nil	Nil

25. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : NA.**26. Student progression** : NA**27. Details of Infrastructural facilities**

- a) **Library** :Library contains several books relating to Electronic Science encompassing the entire syllabus for under graduate course.
- b) **Internet facilities for Staff & Students**: College Staff and students with College Usernames are entitled to avail of a wide range of internet and network services.

c) **Class rooms with ICT facility** : One

d) **Laboratories:** The laboratory is well equipped with adequate instruments and Components to run the UG(Electronics) program.

28. Number of students receiving financial assistance from college, university, Government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

29. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts : NA

30. Teaching methods adopted to improve student learning :

- a) Regular class tests.
- b) Revision of the old lessons before starting the new one.
- c) Using smart classes to arouse interest in students.
- d) Sharing videos(related to the topic taught) with the students to clear their practical concepts .
- e) Presentation
- f) Group Discussion.

31. Participation in Institutional Social Responsibility (ISR) and Extension activities: NA

32. SWOC analysis of the department and Future plans :

Strengths :

- Well Equiped Laboratory
- Smart Class facility
- Availibility of books in central library

Weakness :

- Shortage of teaching staff
- Shortage technical assistance,
- Space problem in the department

Opportunity :

- Subject is in growing demand due to increasing job opportunity
- The subject is available only in this college in the surrounding area.

Challenges :

- As the honours course has been newly introduced, it is a challenge to improve the standard of the department.
- To run the department smoothly and efficiently in spite of shortage teaching and technical staff.

Future Plans :

- Increasing the number of faculty and lab technician.
- To establish a separate departmental library for students.
- To build additional space for the academic and research purposes.

- 1. Name of the department** : ENVIRONMENTAL SCIENCE
- 2. Year of Establishment** : 2008
- 3. Names of programmes /Courses offered (UG,PG)** : U.G. coursed in B.Sc. Environmental Science (Honours)
- 4. Names of Interdisciplinary courses and the departments /units involved** : NA
- 5. Annual/semester/choice based Credit system (programmewise)** : Annual
- 6. Participation of the department In the courses offered by other Departments** : The Department is also Involved in taking classes of Compulsory Environmental Studies – the compulsory paper for all the departments.
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.** : NA
- 8. Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	Not applicable
Asst. Professors	01	01

9. 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
Dr. Rajarshi Mitra	M.Sc., Ph.D	Assistant Professor	Environmental Science	08 *
Sumana Mukherjee	M.Sc.	Contractual Whole time (Govt. Approved)	Environmental Science	07
Dr. Sakuntala Chakraborty	M.Sc., Ph.D	Contractual Whole time (College Appointed)	Environmental Science	03
Debapriya Bhattacharya	M.Sc., M.Phil	Temporary faculty	Environmental Science	05

* Dr. RajarshiMitra is having 3 years additional experience in corporate and institutional research.

10. List of senior visiting faculty :

- ❖ Dr. A. K. Sarkar, Ex-Associate Professor, Vivekananda College, Kolkata.

11. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty :

Lecture delivered	Practical Classes Handled
7%	5%

12. Student-Teacher Ratio (programme wise):

B.Sc. (Hons):15:1

13. Number of academic support staff (technical) and Non-Teaching staff :

- v) Technical Staff – None
- vi) Non-Teaching Staff – 02

14. Faculty with ongoing/completed projects :

Name	No. of Projects	Ongoing / Completed	Year	Name of the Funding Agency	Whether Agency is National or International	Grants Received (inRs.)
Rajarshi Mitra	01	Completed	2014	UGC	National	1,99,300/-

15. Research centre/facility recognized by the University: None**16. Publications : See Annexure I****17. List of papers published in journals :**

- Hajra Rituparna, **Mitra R.**, Ghosh, T., [2014] Assessing the Indicator Based Sustainability: A Pragmatic Approach. *The Int. J. of Humanities and Social Studies*. 2(1), 39 – 43. (I.F.: 0.587)
- HajraRituparna, **Mitra R.**, Ghosh, T., [2012] Impact of Gangasagarmela on Sustainability of Sagar Island, West Bengal, India. *Int. J. of Res. In Chemistry and Environment*. 2(1), 140-144. (IF:0.423)
- **Mitra R.**, Santra S.C. [2011] Influence of Brackish water aquaculture on soil salinisation. *Int. J. of Res. In Chemistry and Environment*, 1(2), 166-168. (IF:0.423;IC: 5.35)
- **Mitra R.**, [2009], Protection of Ecological Demand and Environmental Flow in Context of Water Resources Development in India, *Bodhi Bijnan*, 01 (3), 101-108.
- **Mitra R.**, Bhattacharya R.N., Hazra S., Santra S.C. [2006], Mangrove Conservation Efforts and the Local Economy: a case study, *Economic and Political Weekly*, August 19th, 41 (33), 3612-16.
- **Mitra R.**, Bhattacharya R.N., Hazra S., Santra S.C. [2006], Socio-economic Sustainability of the Coastal Areas around Bhitarkanika National Park, Orissa, *Indian J. of Regional Sc.*, 38 (2), 112-119.
- **Mitra R.**, [2006] Normalized Difference Vegetation Index (NDVI): Its' usefulness in mangrove forest cover assessment, *Asian Studies*, 24 (1&2), 88-97.
- **Chakraborty, S.** Patra PK., **FLUORIDE**, Vol 48 (1), Jan-March, 2015, pp 56-61- 'Biochemical and Antioxidant Responses of Paddy (*Oryza sativa* L.) to Fluoride Stress', ISSN:0015-4725, CITATION INDEXED journal, **Impact factor- 1.082**, peer reviewed

- **Chakrabarti, S**, Patra PK, **FLUORIDE**, Vol 46 (2), April-June, 2013, pp 59-62- 'Effect of Fluoride on Superoxide Dismutase Activity in Four Common Crop Plants ',ISSN:0015-4725, CITATION INDEXED journal, **Impact factor- 1.082**, peer reviewed
- **Chakrabarti, S**, Patra, PK **Asian J.Exp.Biol.Sci**, Vol 4(4) 2013: 540-544- 'Effect of Sodium Fluoride on Seed Germination, Seedling Growth and Biochemistry of Paddy (*Oryza sativa L*)',; impact factor-under evaluation, ISSN:0975-5845, under evaluation, peer reviewed
- **Chakrabarti, S**, Patra, PK, Mandal, B, **Paddy water Environ, Springer**, Jan 2013 Vol 11 pp 619-623, 'Uptake of Fluoride by Two Paddy (*Oryza sativa L*) varieties treated with Fluoride Contaminated Water', ISSN:1611-2490, CITATION INDEXED journal, **Impact factor- 1.03**, peer reviewed
- **Chakrabarti. S**, Patra, PK, Mandal B, **FLUORIDE**, vol 45 (3 Pt 2), July-Sept 2012, pp 257- 262- 'Effect of Sodium Fluoride on Germination, Seedling Growth and Biochemistry of Bengal Gram (*Cicerarietinum*), ISSN:0015-4725, CITATION INDEXED journal, **Impact factor- 1.082**, peer reviewed
- **Chakrabarti. S**, Santra SC, **THE PRISM**, Vol.3, Jan 2011, PP 36-39- 'Bioremediation and Resource Recovery from the Sludge of Electroplating Industry Using *Acidithiobacillusferrooxidans*', ISSN:2229-7537, peer reviewed
- Patra. PK, Mandal. B , **Chakrabarti. S**, **The Ecoscan**, Vol 4 (2 & 3): 2010 pp 209-211- 'Hydrochemistry of Fluoride Rich Groundwater in Birbhum District of West Bengal, India', ISSN: 0974-0376, under evaluation, peer reviewed
- Mandal. B, Patra. PK, **Chakrabarti. S**, **J. Indian Chem. Soc** (vol. 86, Nov. 2009, pp 1166-1172)- 'Extraction Chromatographic Method of Preconcentration and Separation of Fluoride With High Molecular Mass Liquid Anion Exchanger, Aliquat-336', ISSN: 0019-4522, **Impact factor- 0.28**, peer reviewed

Journal (international Encyclopedia)

- **Mitra R.** (Lead Author), Panikar A. K (Topic Ed.) [2009] "Environmental flow." In: *Encyclopedia of Earth*. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment); July 24, 2009; http://www.eoearth.org/article/Environmental_flow>

List of Papers published in books

- HajraRituparna, **Mitra R.**, Ghosh, T., [2011] Pollution Potential of Annual Religious Gathering of Sagar Island and The Issue of Coastal Sustainability, *Proceedings of National Seminar on Advances in Environmental Science and Technology*, Kolkata, 5th& 6th February, 2011. 106 – 111.
- ChakrabortyArunav., **Mitra R.**, [2011] Performance analysis of Waste Water Treatment Plants (WWTP) by Coefficient of Reliability and Performance Overview Table, *Proc. of National Seminar on Advances in Environmental Science and Technology*, Kolkata, 5th& 6th February, 2011. 63 – 72.
- **Mitra R.**, Das Puspita, [2011] Inventorisation of bio-energy production potentials: A case study in a Village of Hooghly, West Bengal, *Proceedings of National Seminar on Advances in Environmental Science and Technology*, Kolkata, 5th& 6th February, 2011. 121 – 125.
- **Mitra R.**, [2007], Forest conservation and Society: An offbeat story from Bhitarkanika Wildlife Sanctuary, *Environment Concerns and Perspectives*, (Ed. Banik, Basu& .De), APH Pub. 139-150.
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- **Mitra R.**, Bhattacharya R. N.,[2006], Total Economic Valuation of Bhitarkanika Mangroves Using a modified Contingent Ranking procedure. *Proceedings of The Ninth Biennial Conference of International Society of Ecological Economics* held in New Delhi, 15th – 18th December 2006.

- **Mitra R.,** Santra S.C. [2005], Strategies for Cost-Effective Methods of Effluent Treatment for Integrated Coal Chemical Industries, Proceedings of *the International Conference on Crisis Management in Water & Environment*, Kolkata, July 2005, Vol 1, 199-202.
- **Mitra R.,** Hazra S. [2005] Agricultural vulnerability at the Bhitarkanika wildlife sanctuary, Orissa, India; *Proceedings of 4th Biennial Conference of INSEE on Ecology and Human well being*, June 2-4, 2005, Mumbai.
- Santra S.C., **Mitra R.,**[2005], Inter State Water Dispute in the Perspective of National River Linking Programme, In "*The linking of the Indian rivers – An Impact Assessment*" acb publ., Kolkata. 104-.20.
- **Mitra R.,** Hazra S. [2003] Assessment of environmental pressure points of Bhitarkanika wildlife sanctuary, Orissa, India; *Proceedings of National Conference on Recent Environmental Changes – its impact on health, agriculture and ecosystem*, World View, Kolkata, p. 16-25.
- **Mitra R.** [2001] Municipal Solid Waste Management practices at Calcutta Metropolitan Area: Prospects and Constraints, *Proceedings of 'National seminar on Management and Utilization of Clinical and Urban Wastes'*, 82–87.

Abstracts

- **Mitra R.** [2013] Need of a paradigm shift in disaster management approach: A case study from coastal Sundarbans. *Accepted for Oral presentation at 7th Biennial Conference of INSEE, Tezpur Assam.*
- **Mitra R.** [2012] 'Redefining Environmental Refugee': A critical analysis from Sagariland. *Abstract Proceedings of National Seminar on Integrated Coastal Zone Management*, Behrampur University, Orissa, p. 103.
- **Mitra R.** [2010], Role of brackish water aquaculture in Agricultural Soil salinisation, ,in *Proceedings of Environmental Science Section, 97th Session of Indian Science Congress*, Thiruvananthapuram, vol. VII. p. 124.
- Banerjee T., **Mitra R.** [2010]A pilot study of water quality and Macrophyte diversity,in *Proceedings of Environmental Science Section, 97th Session of Indian Science Congress*, Thiruvananthapuram, vol. VII. p. 194.

- **Mitra R.**, [2008] Quantifying Environmental Sustainability: An analysis, *Accepted for Oral Presentation at the Annual International Sustainable Development Research Conference* held on 21-23 September, 2008, New Delhi, India.
- **Mitra R.**, [2008] Ecological Demands in Water Policies of India: An Analysis, *Abstract Accepted at the International Conference on Water Resource Policies in South Asia*, held on 17-21 December, 2008, Colombo, SriLanka.
- **Mitra R.**, Hazra S., [2007], Sustainability Assessment as a tool of Coastal Zone Management: A Study at the East Coast of India, *Proceedings of International Conference on Coastal Zone Environment and Sustainable Development*, JNU, New Delhi, p.32.
- **Mitra R.**, Hazra S., Santra S.C. [2004], Mangrove distribution study using Remote Sensing techniques, at Bhitarkanika National Park, Orissa, *ENVIS Centre in Biogeochemistry Newsletter*, Vol. 9 No. 4, p. 25.
- **Mitra R.**, [2004] Forest Cover Changes at Bhitarkanika Wildlife Sanctuary, Orissa, in *Proceedings of Environmental Science Section, 91st Session of Indian Science Congress*, Chandigarh, vol. VII. p. 13.
- **Mitra R.**, Hazra S. [2003] A review of the Environmental Threats to Bhitarkanika, Orissa, India (Bilingual abstract) *Abstracts of 10th West Bengal State Science and Technology Congress*, Vidyasagar University, p. 113

18. No. of Faculty as members in :

- | | | |
|-----------------------------|---|------|
| a) National committees | : | None |
| b) International committees | : | None |
| c) Editorial Boards | : | None |

19. Student projects

a) Percentage of students who have done in-house projects including inter-departmental/programme :

- BSc Electronics Honours/General Environmental Studies (Compulsory) project – 100%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies : 2.5%

20. Awards/Recognitions received by faculty and students :

- **Rajarshi Mitra** was awarded
 - 1st class 2nd in M.Sc, Univeristy of Kalyani(2000)
 - UGC-JRF National Award, UGC-NET(June, 2001)
- **Sakuntala Chakraborty** was awarded
 - UGC/CSIR-JRF National Award, UGC-CSIR
- **Sumana Mukherjee** was awarded
 - Stood 111 in Madhyamik(2000)
- **Debolina Naskar** (Student) was awarded
 - 1st Prize in Poster Competition, National Seminar(Asuthosh College,2011)
- **Saikat Manna** (Student) was awarded
 - 2nd prize in Poster Competition, State level Seminar(Netaji Nagar College for Women, 2011)
- **Arka Karmakar & Sristi Jha** (Student)
 - Runner-Up in State level quiz competition on Sir Asutosh Mookherjee (R.K. Mission, 2013)

21. List of eminent academicians and scientists/visitors to the department :

- ❖ **Prof. S.C. Santra**, Professor, University of Kalyani(2010)
- ❖ **Prof. R.N.Basu**, Former Vice Chancellor, University of Calcutta(2011)
- ❖ **Prof. Arobindo Das**, Former Vice Chancellor, University of Kalyani(2011)
- ❖ **Prof. A.D. Mukhopadhyay**, Former Vice Chancellor, Vidyasagar University(2011)
- ❖ **Prof. Siddhartha Dutta**, Pro-Vice Chancellor, Jadavpur University (2011)
- ❖ **Prof. Sugata Hazra**, Director, SOS Jadavpur University(2011)
- ❖ **Dr. A.K. Mondal**, Professor,Bengal Sc. & Engg. University (2011)

- ❖ **Dr. K.G. Bhattacharyya**, Professor, Gawhati University, Assam (2011)
- ❖ **Dr. Anurag Danda**, Programme Co-ordinator, WWF (India)(2011)
- ❖ **Dr. Bijan Saha**, Former Director, GSI(2012)
- ❖ **Dr. Pranabesh Sanyal**, Former PCCF, West Bengal(2013)
- ❖ **Dr. Pranjalendu Roy**, Former Scientist In-Charge Natural History Museum, Bhubaneswar, Orissa (2014)
- ❖ **Dr. Sukalyan Chakraborty**, Asst. Professor, BIT Mesra(2015)
- ❖ **Dr. Tanushree Bhattacharyya**, Asst. Professor, BIT Mesra(2015)
- ❖ **Dr. Biswajit Ray**, Asst. Professor, University of Calcutta(2015)

22. Seminars/conferences/workshops organized & the source of funding :

- **National Seminar on Sustainable Development** funded by *Vivekananda College*, collaborative organization : *Green Voyage*(2015)
- **World Environment Day**, funded by *Vivekananda College*, collaborative organization : *NSS*(2014)
- **World Environment Day**, funded by *Vivekananda College*, collaborative organization : *NSS*(2013)
- **Earth day celebration Lecture**, funded by *Vivekananda College*, collaborative organization : *NSS*(2013)
- **Water day workshop**, funded by *University of Calcutta*, collaborative organization : *University of Calcutta*(2012)
- **Earth day celebration Lecture**, funded by *Vivekananda College*(2012)
- **Earth day celebration Lecture**, funded by *Vivekananda College*(2011)
- **National Seminar on Advances in Environmental Science and Technology**, funded by *UGC*, collaborative organization : *ISNA*(2011)

- **Earth day celebration Lecture**, funded by *Vivekananda College*(2010)
- **Earth day celebration Lecture**, funded by *Vivekananda College*(2009)

23. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
Environmental Science Honours	102	19	08	09	100

24. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
BScEnvironmental Science Honours	93.6%	6.4%	None

25. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA

26. Student progression :

Student progression	Against % enrolled
UG to PG	62%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-

Employed :	
Campus selection	-
Other than campus recruitment	-
Entrepreneurship/Self-employment	-

27. Details of Infrastructural facilities :

- a. Seminar Library (No. of Books) :** Yes
- b. Internet facilities for Staff & Students :** Yes
- c. Class rooms with ICT facility :** Two
- d. Laboratories :** Two

28. Number of students receiving financial assistance from college, university, Government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

29. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- One Day Seminar lecture on Scopes and recent trends in environmental science by Prof. S.C. Santra on 2010
- One Day Seminar lecture on Vulnerability and Social adaptability of Sundarbans by Dr. Anurag Danda on 2011
- One Day Seminar lecture on Disaster preparedness of Geological Hazards by Dr. Bijan Saha in the year 2012
- One day Seminar lecture on Sundarban Ecosystem by Dr. Prabanesh Sanyal in the year 2013
- One day Seminar lecture on Urban Crow: A behavioral study by Dr. Pranjalendu Ray In the year 2014

30. Teaching methods adopted to improve student learning :

- The faculty members of the department use mixed mode of teaching using board work, overhead projectors and LCD projectors as per the requirement of the subject being taught and acceptance of the students regarding the method.
- ICT is being used, as a mixed medium where teaching – learning is being more interactive by use of short academic movies or animations (some time downloaded from *you tube*) along with PowerPoint presentation and class room lectures.
- Another method of teaching is often being practiced by the faculty member is, to assign a topic to the students for presentation before the same class either prior to the lecture delivery by the faculty or in post lecture session. This has been found inculcating interest among students by making the session more interactive.
- In addition to the academic excursions prescribed by the curriculum, Nature Study camps are also arranged for the students of different years, where they are being exposed to different field methodologies etc.

31. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Nearly 80% students of the Department have enrolled their names in National Service Scheme (NSS) where they have performed a lot of Social responsibilities and outreach extension activities. Every year, they used to work in a colony near Joka, where they for 7 days in Environmental and Public Health awareness, arrange Sit and Draw competition for the local children etc.
- Some of the Students of the Department are also involved in NCC activities.

32. SWOC analysis of the department and Future plans :**Strength :**

- The department is having a dedicated space of its own with two laboratories, two dedicated class rooms and a seminar room.

- All the Faculty members are qualified enough and with experience.
- Adequate ICT facilities for interactive teaching – learning.
- Have almost all the instruments necessary for the course curriculum in working condition.
- The department provides the students with scopes of overall development through very intimate teacher-student interactions and special activities like personality development programme / classes in addition to their set syllabus and curriculum based teaching.

Weakness :

- Being a new subject, environmental science is yet to get attention of students from comparatively semi-urban and rural areas, which is the main catchment of the college. Hence the entry level student quality of the department is not upto the mark.
- Only one sanctioned teaching post is there for the department, which leads to faculty crisis.
- No vacancy for technical staff is available

Opportunities :

- Being the pioneering department of an emerging subject, the Department is having scope to flourish further with advancement of the subject. It may create a flow of good students in near future.
- Having well equipped laboratory and teaching learning materials, the department is continuously practicing innovative ideas for most efficient use of resources.
- The observed trend of student's progression rate is indicative of continual improvement of the student's year after years. With the support the department is already getting, it is possible to ensure a unique teaching – learning ambience.

Challenges :

- The major challenge is to create a workforce which will be capable of serving the society and the subject as well. Therefore, rearing of students suitable for the market remains the main challenge.
- It is the biggest challenge for the department to maintain the already earned reputation with the existing weaknesses.

Future Plan:

In future such activities are expected to grow further and make competitive

personals. However, efforts will be made to expand the Departmental scopes by introduction of new courses related to Environment or to introduce Masters Degree on the system, if other supports are made available. Specifically, for narrowing down the demand – supply gap in the field of Environmental Education in near future, the department would like to grow with plans like:

- Establishment of strong institute – industry relationship promoting job oriented development of the students.
- Promoting more scopes for research and development to intensify field based useful knowledge of the students.
- Introduction of new courses either in form of P.G. or vocational job oriented curriculum to satisfy the aforesaid two objectives efficiently.

Annexure I

Name	No. of Papers Published in Peer Reviewed Journals		Number of publications listed in International Database		Mono-graphs		Chapters in Books		Books Edited		Books with ISBN / ISSN numbers		Citation Index	Impact Factor
	National	Int'l	No.	Name	No.	Pub	No.	Pub	No.	Pub	No.	Pub		
Rajarshi Mitra	03	04	04	Scopus, DOAJ, Google Scholar, Science Central, JSTORE	0	NA	04	Allied, acbPub. Worldview, APH Pub.	0		0		04	03
Sakuntala Chakrabarti	02	05	04	Scimago, Scopus, DOAJ, Google Scholar, Science Central	0	NA	0	NA	0	0	0	0	03	04
Sumana Mukherjee	01	0	0	0	0	NA	0	NA	0	0	0	0	0	0

1. **Name of the department** : **FILM STUDIES**
2. **Year of Establishment** : 2013
3. **Names of Programmes /Courses offered(UG,PG)** : UG courses in Film Studies General (University of Calcutta)
4. **Names of Interdisciplinary courses and the departments /units involved** : NA
5. **Annual/semester/choice based Credit system (programmewise)** : Annual
6. **Participation of the department In the courses offered by other Departments** : Bandana Basu extends her support to the students of Journalism & Mass communication Department in preparing the documentary film as per their curriculum.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc** : NA
8. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	--	--

9. 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
Bandana Basu Bhowmick	M.A.	Whole Time Teacher (College Appointed)	Film Studies	2

10. List of senior visiting faculty : NA

11. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty :

	Theory	Practical
Honours	--	--
General	--	30%

12. Student-Teacher Ratio (programmewise) : 50:1

13. Number of academic support staff (technical) and Non-Teaching staff :

- i) Technical Staff - NA
- ii) Non-Teaching Staff - NA

14. Faculty with ongoing/completed projects: NA

15. Research Centre/facility recognized by the University : NA

16. Publications per faculty :NA

17. Faculty as members in :

- a) National committees : NA
- b) International Committees : NA
- c) Editorial Boards : NA

18. Student projects :

a) **Percentage of students who have done in-house projects including inter-departmental/programme :**

- BA Film Studies General Environmental Studies (Compulsory) project - 100%

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies :** Nil

19. Awards/Recognitions received by faculty and students :

- **Soumyodeep Pal (Student)**
 - Played the role of Madhusudan Dutta in the Serial, Krantikal, in DD Bangla.
 - Composed the title track of the movie, LUDO.
- **Rahul Sanpui(Student)**
 - Directed a short film, Vintage our Heritage, and was screened at the iLEAD International short Film Festivals.
 - Received Merit Certificate For poster making on Disaster Management at State Science Fair.
- **Shinjinee Sengupta(Student)**
 - Worked as a script write on the short film, Vintage Our Heritage.
 - Working on a project on Satyajit Ray.
- **Saumyadeep Dutta(student)**
 - Worked as public relation Manager in Jungal mahal International Film Festival, Purulia

20. List of eminent academicians and scientists/visitors to the department :

- ❖ **Prof. Partha Raha**, Member, UG Board of Studies in Film Studies, CU
- ❖ **Mr. Pradipta Bhattacharjee**, National Award winning film maker
- ❖ **Prof. Anirban Basu Roy Chowdhuri**, Member, UG Board of Studies in Film Studies, WB State University.

21. Seminars/Conferences/Workshops organized & the source of funding :

- Conducted a seminar on **Bengali Cinema in the context of Indian cinema**
- Observed the **93rd Birth Anniversary of Legendary Film Maker Satyajit Ray**
- Organised one day workshop. **Title: "How to Make Film" in collaboration with Sarsuna college**

22. Student profile programme/course wise:

Name of the course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
Honours	--	--	--	--	
General	--	70	31	31	--

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
Honours	--	--	--
General	95	05	--

24. How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services, etc.? : NA

25. Student progression : NA

26. Details of Infrastructural facilities :

a) Seminar Library : NA

- b) **Internet facilities for Staff & Students** : All
- c) **Class rooms with ICT facility** : One
- d) **Laboratories** : Sharing the Journalism laboratory and studio

27. Number of students receiving financial assistance from college, university, government or other agencies

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

28. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts :

- Eminent personalities and senior visiting faculties regularly visit the department and interacted with students. Seminars and workshops are organized on regular basis.
- Actively Participated in the 19th Kolkata International Film Festival & 20th Kolkata International Film Festival.
- Produced two documentary Films, Sir Ashutosh Mukherjee(English version) & BanglarBagh(Bengali version)
- Visited Nandan and Chalachitra Satobarsho Bhaban

29. Teaching methods adopted to improve student learning :

- Power point presentation
- Smart class
- Films Show (Every week)

30. Participation in Institutional Social Responsibility (ISR) and Extension activities : NA

31. SWOC analysis of the department and Future plans :

Strength:

- Sufficient number of equipment

- Well organized studio
- Interaction with eminent personalities in the field of Film Studies.

Weakness:

- Shortage of regular full time teaching and technical staff
- Inadequate laboratory space
- Considerable number of students is coming from weaker socio-economic background.

Opportunities:

- Huge demand for the subject

Challenges:

- Preparing the students for future prospect.
- To create interest among the students in film making.

Future Plans:

- Make arrangement for engagement of full time teaching and supportive staff.
- To procure DSLR Camera and Camcroder.
- To establish a small archive with Good Films & Syllabus orientated films and documentaries (DVD/ CD).
- Publication of Film Journal.
- Negotiate with Calcutta University for introduction of Honours course in the subject.

1. **Name of the department** : **GEOGRAPHY**
2. **Year of Establishment** : 2014
3. **Names of programmes /courses offered (UG, PG)** : UG courses in B.Sc. Geography Honours and B.Sc. Geography General (University of Calcutta)
4. **Names of Interdisciplinary courses and the departments /units involved** : NA
5. **Annual/ semester/choice based credit system (programme wise)** : Annual
6. **Participation of the department in the courses offered by other departments** : NA
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : NA
8. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	Not applicable
Asst. Professors	--	--

9. 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
Baishali Mukherjee	M.Sc	Whole-time Teacher (College Appointed)	Geomorphology	02
Kunaljit Roy	M.Sc	Whole-time Teacher (College Appointed)	Population Geography	01
Rohini Chakrabarty	M.Sc	Temporary Faculty	Geomorphology	01

10. List of senior visiting faculty : NA

11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

Honours	General
10%	20%

12. Student -Teacher Ratio (programme wise) :

- v) Geography Honours – 20:1
vi) Geography General – 15:1

13. Number of academic support staff (technical) : 01

14. Faculty with ongoing projects : NA

15. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: : NA

16. Research Centre /facility recognized by the University : NA

17. Publications :**List of Publication of Baisali Mukherjee**

- Hazardous Child labour in India: Childhood under curse, The Observer, 2013, ISSN: 2230-9535.
- Coastal Erosion at Ghoramara and its Rehabilitation programme in Jibantala, Indian System of Landscape Systems & Ecological studies, 2014. ISSN: 0971-4170.

List of Publication of Kunaljeet Roy

- Survival in the Alien Society: A Study on Chinese and other 'Pariah' ethnic minorities in Kolkata, International Journal of Social Science Tomorrow, Vol 1(10), 2012, ISSN: 2277-6168.
- Ethnicity, Occupation and Kolkata- A unexplored saga of the Chinese community, Journal of Landscape Systems and Ecological Studies, Vol 35(1), 2012, ISSN: 0971-4170.
- Shifting of functional Nucleus- Decaying of a colonial city: A detailed review of Rapid Urbanisation of Kolkata Megacity in the light of Ethnological and occupational segregation of overseas Chinese community, Post Seminar Volume of Barrackpore Rastraguru Surendranath College, ISBN: 978-81-921808-3-0.

18. Areas of consultancy and income generated : NA

19. Faculty as members :

a) National Committees	:	NA
b) International Committees	:	NA
c) Editorial Boards	:	NA

20. Student projects :

a) Percentage of students who have done in-house projects including inter-departmental/programme :

BSc Geography Honours/General	Environmental Studies
(Compulsory) project	- 100%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies : Nil

21. Awards / Recognitions received by faculty and students :

NA

22. List of eminent academicians and scientists/visitors to the department :

NA

23. Seminars/Conferences/Workshops organized & the source of funding :

a) National : Nil

b) International : Nil

24. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass %*
			M	F	
BSc Geography Honours	362	63	11	47	--
BSc Geography General	--	26	08	10	--

*First batch of students are yet to appear Final University Examination

25. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
BSc Geography Honours	100	Nil	--
BSc Geography General	100	Nil	Nil

- 26. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?** NA
- 27. Student progression** : NA
- 28. Details of Infrastructural facilities** :
- a) Library** : NIL
- b) Internet facilities for Staff & Students** : All
- c) Class rooms with ICT facility** : One
- d) Laboratories** :
- i. Computer Lab** : 01
- ii. General Lab** : 01
- 29. Number of students receiving financial assistance from college, university, government or other agencies** :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

- 30. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts** :
NA
- 31. Teaching methods adopted to improve student learning** : NA
- 32. Participation in Institutional Social Responsibility (ISR) and Extension activities** : NA
- 33. SWOC analysis of the department and Future plans** :

Strength :

- Reputation of the college.
- Increasing demand of the subject.
- Sincere and quality students.
- Enough space for further development.

Weakness :

- No government sanctioned teaching and supporting staff.
- Less experienced human resource.

- Inadequate number of instruments.

Opportunity :

- Sincerity of students, teachers and support staff.
- Whole hearted support from the college authority.

Challenge :

- Elevating the standard of the department in keeping with the reputation of the college.
- To withstand the competition from neighbouring colleges which have vast experience in running the course.

Future Plans :

- To establish a departmental library
- To enhance the laboratory facility by augmenting modern equipment /instruments and computers.

- 1. Name of the department** : **MATHEMATICS**
- 2. Year of establishment** : 1950
- 3. Names of programmes /courses offered (UG, PG)** : UG courses in B.Sc. Mathematics Honours and B.Sc. Mathematics general (University of Calcutta)
- 4. Names of interdisciplinary courses and the departments /units involved** : NA
- 5. Annual/semester/choice based credit system (programme wise)** : Annual
- 6. Participation of the department in the courses offered by other departments** : Nil
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc** : Nil
- 8. Number of teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	01 (CAS)
Asst. Professors	06	02

9. Faculty profile with name, qualification, designation, specialization, (DSc/ DLitt/PhD/Mphiletc) :

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Debasis Mukherjee	MSc, PhD	Associate Professor	Complex Analysis	18
Debraj Nath	MSc	Assistant Professor	Fluid Mechanics	9
Chandan Maji	MSc	Assistant Professor	Bio Mathematics	1

10. List of senior visiting faculty :

Name	Designation	Name of the college
Dr. Debasish Sengupta	Associate Professor (Retd.)	Vivekananda College, Kolkata
Bidyut Kumar Roy	Associate Professor (Rtd.)	Vivekananda College, Kolkata

11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

	Theory	Practical
Honours	5%	5%
General	Nil	Nil

12. Student -teacher ratio (programme wise) :

- i) BSc Maths Honours – 50:1
- ii) BSc Maths General – 50:1

13. Number of academic support staff (technical)and non-teaching staff :

- i) Technical Staff – Nil
 ii) Non-Teaching Staff – Nil

14. Faculty with ongoing/completed projects :

Name	No. of Projects	Ongoing/ Completed	Year	Name of the Funding Agency	Whether Agency is National or International	Grants Received (in Rs.)
Dr. Debasis Mukherji	1	Completed	2012	UGC	National	1,40,357/-

15. Research centre/ facility recognized by the university: Nil**16. Publications per faculty : See Annexure I****17. Faculty as members in :**

- a. National Committees : 01
 b. International Committees : Nil
 c. Editorial Boards : Nil

19. Student projects :**a) Percentage of students who have done in-house projects including inter-departmental/programme :**

- BSc Mathematics Honours/General Environmental Studies (Compulsory) Project – 100%
- Research Guidance Cell, Vivekananda College sponsored students' Project – 05%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies : Nil

20. List of eminent academicians and scientists/visitors to the department :

Prof. Sanjay Sen, Prof. Mridul Kanti Sen, Prof. Dilip Kumar Bhattacharya, Prof. Manjusa Majumder	University of Calcutta
Prof. Pradip Majumdar	School Of Vedic Studies, Rabindra Bharati University.
Prof. Guru PrasadKar, Prof. S. M. Srivastava.	Indian Statistical Institute, Kolkata.
Prof. Subenoy Chakraborty	Jadavpur University, Kolkata
Prof. Satyabachi Sar	MBB College, Agartala.
Gautam Banerjea	Registrar, St. Thomas College of Engineering & Technology, Kolkata.

21. Seminars/Conferences/Workshops organized & the source of funding :

- National seminar on *Application of Mathematics in different fields of science*, funded by UGC, collaborative organization : Vivekananda College for Women(2009)
- Seminar on *Mathmania* , funded by Vivekananda College(2012)
- National seminar on *Ramanunan's work and its Applications*, funded by UGC, collaborative organization : Behala College & New Alipore College(2013)

22. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
BSc Math Honours	876	99	53	28	96.77
BSc Math General	--	--	175	94	---

23. Diversity of students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
BSc Math Honours	100	Nil	Nil
BSc Math General	100	Nil	Nil

24. How many students have cleared National and State competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc : NA**25. Student progression :**

Student progression	Against % enrolled
UG to PG	95%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed :	
Campus selection	--
Other than campus recruitment	--
Entrepreneurship/Self-employment	--

Approx. Data based on informal feedback from alumni during last 10 years

- 26. Details of Infrastructural facilities :**
- | | | |
|---|---|-------------------------|
| a) Seminar Library | : | 137 books |
| b) Internet facilities for staff & students | : | All |
| c) Class rooms with ICT facility | : | One |
| d) Laboratories | : | One computer laboratory |

- 27. Number of students receiving financial assistance from college, university, government or other agencies :**

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

- 28. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts : NA**

- 29. Teaching methods adopted to improve student learning :**
The faculty members of the department use mixed mode of teaching using board work, overhead projectors and LCD projectors as per the requirement of the subject being taught and acceptance of the students regarding the method.

- 30. Participation in Institutional Social Responsibility (ISR) and Extension activities: NA**

- 31. SWOC analysis of the department and future plans :**

Strengths :

- Enough available space with computer and smart class facilities;
- Well-equipped departmental library and computer lab;

Weakness :

- Shortage of teaching staff
- No sanctioned post for Technical staff;

Opportunities :

- To cater to a large number of quality students

- Having academic and teaching support from two of our highly experienced former teachers.

Challenges :

- Timely completion of syllabus in spite of shortage of teaching staff;
- Motivate students to pursue higher studies and research in Mathematics;

Future Plans :

- To introduce regular PG course in Mathematics under Calcutta University;
- Further expansion of the departmental library.

1. **Name of the department** : **PHYSICS**
2. **Year of Establishment** : 1950
3. **Names of Programmes /courses offered (UG, PG)** : UG courses in B.Sc. Botany Honours and B.Sc. Botany General (University of Calcutta)
4. **Names of Interdisciplinary courses and the departments /units involved** : Nil
5. **Annual/ semester/choice based credit system (programme wise)** : Annual
6. **Participation of the department in the courses offered by other departments** : Nil
7. **Courses in collaboration with other universities, industries, foreign institutions etc** : Nil
8. **Number of teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	02 (CAS)
Asst. Professors	11	02

9. 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
Dr. Arun Kanti Chakraborty	M.Sc., Ph.D.	Associate Professor	Solid State Physics	24
Dr. Arvind Pan	M.Sc., Ph.D.	Associate Professor	Condensed Matter Physics	14
Dr. Nirmalya Pahari	M.Sc., Ph.D.	Assistant Professor	Solid State Physics	10*
Dr. Kaushik Ghosh	M.Sc., Ph.D.	Assistant Professor	High Energy Physics	08**
Sreoshi Dutta	M.Sc.	Whole Time Teacher (College Appointed)	Condensed Matter Physics	03
Somnath Paul	M.Sc.	Whole Time Teacher (College Appointed)	Condensed Matter Physics	01
Pritha Banerjee	M.Sc.	Temporary Faculty	Electronics	02

* Including 9 years in Jiagunge Sreepat Singh College

**Including 7 years in St. Xavier's College.

10. List of senior visiting faculty : Nil

11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

- i. Honours : 10%
- ii. General : 10%

- 12. Student -Teacher Ratio (programme wise) :**
- | | | |
|-------------|---|------|
| i. Honours | : | 23:1 |
| ii. General | : | 38:1 |
- 13. Number of academic support staff (technical) and administrative staff; sanctioned and filled:**
- | | | |
|------------------------|---|----|
| i. Technical staff | : | 01 |
| ii. Non teaching staff | : | 05 |
- 14. Number of faculty with ongoing projects from :**
- | | | |
|-------------------|---|-----|
| i. National | : | Nil |
| ii. International | : | Nil |
- 15. Research Centre /facility recognized by the University:** Nil
- 16. Publications :**
- Mollah S, Som KK, Bose K, **Chakraborty AK** and Chaudhuri BK, *Nonadiabatic small-polaron hopping conduction in Li-doped and undoped $Bi_4Sr_3Ca_3Cu_yO_x$ ($0 \leq y \leq 5$)*, Phys. Rev. B, 46, 11075 (1992).
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 - Chakraborty AK**, Bose K, De G, Som KK and Chaudhuri BK, *Effects of substituting mercury for yttrium, barium and copper on the superconducting transition temperature of $YBa_2Cu_3O_\delta$* , J. Mat. Sci. : Mat. In Electronics, 5, 22 (1994).
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- **Pan A** and Ghosh A, *Structural and optical properties of lithium bismuthate glasses.*, *Journal of Material Research*, 17 1941(2002).
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- **Pan A**, Wang YL, Wu CS and Chen CD, *Effects of focused gallium ion-beam implantation on the properties of nanochannels on silicon-on-insulator substrates.*, *Journal Of Va. Sci and Tech* **B23(6)** 2288(2005).
- **A.Pan**, *Dynamics of live cells in Conway's game of Life in the absence of basic physical force laws.* Submitted to *Bodhi bijnana* for publication
- **Paul S**, Gangopadhyay A and Sarkar A, *Characterization of Gd₂O₃ nano clusters*, *Advanced Materials Research* Vol. 665, pp 127-131, (2013).
- **Paul S** and Sarkar A, *Anomalous conduction in pure and Mn doped Gd₂O₃*, *AIP Conf. Proc.* Vol. 1536, pp 587-588, (2013).
- Barman M, **Paul S** and Sarkar A, *Electronic properties in Mn doped and pure NiO clusters*, *AIP Conf. Proc.* Vol. 1536, pp 427-428, (2013).

- Barman M, **Paul S** and Sarkar A, *A study of magnetic properties in confined Sol-Gel synthesized NiNano-clusters*, Advances in Applied Science Research, 2013, 4(5):343-349
- Barman M, **Paul S** and Sarkar A, *Electronic and optical character of cobalt doped zinc oxide*, Advances in Applied Science Research, 2014, 5(1):311-315
- **Paul S** and Sarkar A, *Electrical conduction of oxide composite of nickel and zinc: Effect of magnetic field*, (accepted).
- Barman M, **Paul S** and Sarkar A, *Bulk surface electronic properties in synthesized CoO cluster*, (accepted).
- Barman M, **Paul S** and Sarkar A, *Optical Aspects of Cobalt Doped Nano Zinc Oxide*, (accepted).
- **Pahari N**, Mukhopadhyay S, *Intensity based all optical parallel logic operations using nonlinear material*, Vidyasagar University Journal of Physical Sciences, Vol.8, 1-4, 2002.
- **Pahari N**, Das DN, Mukhopadhyay S, *Alloptical method for the addition of binary data by nonlinear materials*, Applied Optics, Vol. 43, No.33, 6147-6150, 20 November 2004.
- **Pahari N**, Mukhopadhyay S, *All-optical method for the digital subtraction with optical non-linear material based switches*, Vidyasagar University Journal of Physical Sciences, Vol.9, 24-30, 2004.
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- **Pahari N**, Mukhopadhyay S, *New method of all-optical data comparison with nonlinear material using 1's complement method*, Optical Engineering, Vol. 45(1), 015201-015205, 2006.
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- **Pahari N**, Guchhait A, *All-optical Serial Data Transfer between Registers using optical non-linear materials*, Optik, Volume 123, Issue 5, Pages 377-470 (March 2012)

- **Pahari N**, Guchhait A, Jana AD, *Image edge detection scheme by the use of Kerr type nonlinear material and the verification of the scheme by computer simulation*, Journal of Optics, Volume 41, Issue 3, pp 178-183 (Sept. 2012).
- Chakravorty A, Saha I, **Pahari N**, Jana D, *Ever-Growing Concerns about the Fatal Consequences of Groundwater Plunder*, International Journal of Ecosystem, Vol. 5 No.3A, pp 13-17, 2015.
- Pahari N, All-optical binary to Gray code converter and Gray code to binary converter with proper use of nonlinear material, Proc. SPIE 9654, International Conference on Optics and Photonics 2015, 96541B (June 15, 2015); doi:10.1117/12.2181549.
- **Pahari N**, *All optical even and odd parity bit generator and checker with optical Nonlinear Material*, Communicated, Optik.
- **Ghosh K**, *Near horizon geometry, Brick wall model and the Entropy of scalar field in the Reissner-Nordstrom black hole backgrounds*, Proceedings of the 1st International Conference on Mathematical Modeling in Physical Sciences; held at Budapest during September 3 - 7, 2012. JOURNAL OF PHYSICS: CONFERENCE SERIES, 410, 012137 ISSN 1742-6596.
- **Ghosh K**, *Maxwell's Equations in a Curved Space Time*, INTERNATIONAL JOURNAL OF PURE AND APPLIED MATHEMATICS, Volume:76, No.2 (2012), pp.207 - 218, ISSN 1314-3395; IF:3.20.
- **Ghosh K**, *Geometric Continuity and Coordinatization* -, INTERNATIONAL JOURNAL OF PURE AND APPLIED MATHEMATICS, Volume: 76, No.2 (2012), pp.251 - 260, ISSN 1314-3395; IF:3.20.
- **Ghosh K**, *A few comments on Brick-wall model and the Entropy of a scalar field in Schwarzschild black hole background*, NUCLEAR PHYSICS, Section B Volume: 814 (2009), pp. 212-216, ISSN: 0550-3213; IF: 3.50.
- Mukhopadhyay B and **Ghosh K**, *Separation of the Dirac equation in $(3 + 1)$ -dimensional constant curvature black hole background and its solution*, CLASSICAL QUANTUM GRAVITY, Volume: 25 (2008) 065006 ISSN: 0264-9381; IF:3.00.
- **Ghosh K**, *Entropy of a Scalar field in $(3 + 1)$ -dimensional Taub-NUT Background*", PHYSICAL REVIEW D, Volume: 67, 124027 (2003) ISSN. 1550-7998; IF:4.50.

- **Ghosh K**, *Entropy of a Scalar field in (3 + 1)-dimensional Constant Curvature Black Hole Background*, PHYSICAL REVIEW D, Volume: 60, 104003 (1999) ISSN. 1550 -7998 ; IF.4.50.

17. Faculty as members in

a) National committees	:	Nil
b) International Committees	:	Nil
c) Editorial Boards	:	01

18. Student projects :

a) Percentage of students who have done in-house projects including inter-departmental/programme :

BSc Physics Honours/General Environmental Studies (Compulsory) project – 100%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies :

Nil

19. Awards/ Recognitions received by faculty and students :

- **Dr. Arvind Pan** was awarded
 - Silver Medal for state level 2nd rank in the University In B.Sc(H), Vidyasagar University(1993)
 - National JRF, CSIR(1997)
 - International Post-doctoral fellowship, IAMS, Academia Sinica, Taipei, Taiwan(2001)
- **Dr. Nirmalya Pahari** was awarded
 - National CSIR- JRF, CSIR(2001)
- **Dr. Koushik Ghosh** was awarded
 - National CSIR- JRF, CSIR (1994)

20. List of eminent academicians and scientists/ visitors to the department :

- **Prof. Jayanta Bhattacharyya**, IACS, Jadavpur, Kolkata.
- **Prof. Kamallesh Bhowmick**, SINP, Kolkata

21. Seminars/ Conferences/Workshops organized & the source of funding :

- a) National : NA
 b) International : NA

22. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
BSc Honours	1069	75	42	12	97.67
BSc General	--	226	117	59	

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
BSc Honours	100	Nil	Nil
BSc General	100	Nil	Nil

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA**25. Student progression :**

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	-

26. Details of Infrastructural facilities :

a) **Library** : The department has its own library which is quite rich in collection of 449 books.

b) **Internet facilities for Staff & Students** : All

c) **Class rooms with ICT facility** : One

d) **Laboratories** : 05

27. Number of students receiving financial assistance from college, university, government or other agencies

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

28. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

:

- Visited with a group of students to Variable Energy Cyclotron Centre (VECC, DAE) on National Science Day every year.
- Visited with a group of students to Science City to attend a seminar on Indian Neutrino Observatory (INO) Lectures organized by Calcutta University.
- Collaborated with the American Library in organizing seminar on 'Application of Nanoscience and Nanotechnology to the society' in the Lincoln Hall, American Centre, Kolkata.

29. Teaching methods adopted to improve student learning :

- Traditional Lecture Method and use of ICT
- Practical Classes
- Remedial classes to weaker section of the students
- Special Classes

30. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The Students and the Faculty members regularly participate in the Institutional Social Responsibility and Extension activities organised by NSS and NCC Unit of the College.

31. SWOC analysis of the department and Future plans :**Strength :**

- Highly dedicated faculty members,
- Well-equipped laboratories,
- Intelligent and hard-working students.

Weakness :

- Shortage of faculty and Laboratory technical staff.
- Shortage of space
- Inadequate number of books in the departmental library.

Opportunities :

- Good quality students.
- The excellent performance of the students of our Department in the national / state level competitive and entrance examinations in the institutions of national and international repute (IITs, BHU, CU, IISc etc.).

Challenges :

- Weak socio-economic conditions become a challenge for the students to complete the course.
- Timely completion of syllabus in spite of shortage of teaching staff.

Future Plans :

- To introduce regular P.G. courses in Physics (Calcutta University).
- To improve the departmental library.
- Improve the computer laboratory.

1. **Name of the department** : **STATISTICS**
2. **Year of Establishment** : 2003
3. **Names of programmes /courses offered(UG,PG)** : UG Courses in Honours in Statistics and General (University of Calcutta)
4. **Names of Interdisciplinary courses and the departments /units involved** : NA
5. **Annual/semester/choice based credit system (programmewise)** : Annual
6. **Participation of the department in the courses offered by other departments** : Prof. Nilkantha Mukherjee takes classes in Biochemistry (3rd year Hons.)
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : NA
8. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	Not applicable
Asst. Professors	01	Nil

9. 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
Nilkanta Mukherjee	M.Sc.	Part-Time Teacher (Govt. Approved)	Operational Research	7
Biswajit Basak	M.Sc.	Contractual Whole-Time Teacher (College Appointed)	Statistical Inference	2
Sutapa Biswas	M.Sc.	Part-Time Teacher (College Appointed)	Actuarial Science	1

10. List of senior visiting faculty :

- Prof. Uttam Bandyopadhyay, Department of Statistics, University of Calcutta.

11. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty : NA

12. Student-Teacher Ratio (programmewise) :

- i. Honours : 15:1
ii. General : 20:1

13. Number of academic support staff (technical) and Non-Teaching staff

- i. Technical Staff : NA
ii. Non-Teaching Staff : NA

14. Faculty with ongoing/completed projects : NA

15. Research Centre/facility recognized by the University: NA

16. **Publications (Last Four Years)** : NA

17. **No. of Faculty as members in** : NA

18. **Student projects** :

a) **Percentage of students who have done in-house projects including inter-departmental/programme** :

- BSc Statistics Honours/General Environmental Studies (Compulsory) project – 100%
- Research Guidance Cell, Vivekananda College sponsored students' project – 10%

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies** : Nil

19. **Awards/Recognitions received by faculty and students**

- **Ananya Ojha** (Student), was awarded
 - Winner of Inter-departmental Seminar Lecture state level competition, Vivekananda College(2014)

20. **Seminars/Conferences/Workshops organized & the source of funding** : NA

21. **Student profile programme/course wise** :

Name of the course/programme	Applications received	Selected	Enrolled		Pass %*
			M	F	
BSc Statistics Honours	180	43	18	15	NA
BSc Statistics General	--	45	18	14	--

*First batch of students yet to appear University Final Examination

22. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
BSc Statistics Honours	100	Nil	Nil
BSc Statistics General	100	Nil	Nil

23. Student progression : NA

24. Details of Infrastructural facilities :

a) Seminar Library (No. of Books) : NA

b) Internet facilities for Staff & Students : All

c) Class rooms with ICT facility : One

d) Laboratories

i. Computer Laboratory : One

25. Number of students receiving financial assistance from college, university, government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal

26. Details on student enrichment programmes (special lectures / workshops/ Seminar) with external experts :

- Seminar lectures are arranged by the college where the performance of students is assessed by teachers from other departments. The departmental teachers evaluate their performances for making the final selections.

27. Teaching methods adopted to improve student learning :

- Students are encouraged to engage in discourses with the teachers. They are asked to read out papers on texts included in their syllabus. Mid-term and class tests are also conducted.

28. Participation in Institutional Social Responsibility (ISR) and Extension activities : NA

29. SWOC analysis of the department and Future plans :

Strength :

- Excellent bondage between students and teachers.
- Huge catchment area.
- Reputation of the college.

Weakness :

- Absence of permanent faculty members.
- Difficulty in completion of syllabus.
- Paucity of space.
- Absence of departmental library.

Opportunity :

- No college in the locality or in closer proximity has the option of teaching honours course in statistics.
- Location of the college in a congenial place.

Challenge :

- To ameliorate the standard of this new department in keeping with the reputation of the institution.
- To cater to the students coming from diverse social and economic condition.

Future Plans :

- To establish a departmental library.
- To upgrade the computer laboratory.
- More students to be motivated to participate in the research project under Research Guidance Cell
- Using more ICT in teaching.

-
1. **Name of the department** : **ZOOLOGY**
 2. **Year of Establishment** : 1950
 3. **Names of programmes /courses offered (UG, PG)** : UG courses in B.Sc. Zoology Honours and B.Sc. Zoology General (University of Calcutta)
 4. **Names of Interdisciplinary courses and the departments /units involved** : NA
 5. **Annual/semester/choice based Credit system (programmewise)** : Annual
 6. **Participation of the department in the courses offered by other departments** : Faculty members take regular classes in Biochemistry and Environmental Science Honours courses.
 7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Distance Education course of M.Sc. in Zoology of Vidyasagar University.

8. Number of Teaching posts :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	Not applicable
Asst. Professors	08	06

9. 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
Dr. Senjuti Roy (Mukherjee)	M.Sc., Ph.D.	Assistant Professor	Environmental Biology	10
Lt. Dr. Trijit Nanda	M.Sc., Ph.D.	Assistant Professor & Head	Neurobiology	9
Dr. Malabika Bhattacharjee	M.Sc., Ph.D.	Assistant Professor	Molecular Biology	9
Dr. Samita Kundu	M.Sc., Ph.D.	Assistant Professor	Endocrinology	9
Dr. Jayanta Sinha	M.Sc., Ph.D., MBA, PGDPM, PG DEE.	Assistant Professor	Ecology	15*
Dr. Amal Kumar Patra	M.Sc., Ph.D.	Assistant Professor	Fisheries	10**
Dr. Shaoli Majumder	M.Sc, Ph.D.	Contractual Whole-Time Teacher (College	Environmental Biology & Ecotoxicology	2

		Appointed)		
Ms. Ranu Chakravarty	M.Sc.	Contractual Whole-Time Teacher (College Appointed)	Endocrinology	2

*Including 14 years in Asansol B.B. College

**Including 9 years in AC College, Jalpaiguri.

10. List of senior visiting faculty :

Name	Designation	Name of the college
Dr. Subhash Chandra Dey	Former Professor	Assam University, Silchar
Dr. Ashok Kumar Sarkar	Former Associate Professor	Vivekananda College, Kolkata

11. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty : Nil

12. Student-Teacher Ratio(programmewise) :

- iii) BSc Zoology Honours – 18:1
- iv) BSc Zoology General – 32:1

13. Number of academic support staff (technical) and Non-Teaching staff :

- iii) Technical Staff – NA
- iv) Non-Teaching Staff – 5

14. Faculty with ongoing / completed projects :

Name	No. of Projects	Ongoing/ Completed	Year	Name of the Funding Agency	Whether Agency is National or International	Grants Received (inRs.)
Dr.Malabika Bhattacharjee	2	completed	2008-10	UGC	National	87,000/-
			2012-14			1,91,100/-
Lt. Dr. Trijit Nanda	1	completed	2010	UGC	National	1,00,000/-
Dr. Amal Kumar Patra	2	Completed	2009-10	UGC	National	93,000/-
			2013-15			1,29,500/-
Dr. Jayanta Sinha	1	Completed	2010-12	WBBB	State	1,30,000/-

15. Research centre/facility recognized by the University: NA**16. Publications : See Annexure—1****Proceedings publications :**

- Chatterjee T, Ghosh R and **Bhattacharjee M**, *A Molecular Insight Into the Changing Immune Profile of Liver Tumors induced by an Environmental Carcinogen*, Proceedings of UGC Sponsored National Seminar on Advances in Environmental Science and Technology, (5th & 6th February, 2011)
- **Bhattacharjee M**, *Immuno-molecular profiling of liver tumors induced by a chemical carcinogen*, Proceedings of the International Conference on "Environment and its impact on Society"(18th-20th August, 2013)
- **Kundu S**, Endocrine disruptors: A review. *Proceedings of UGC Sponsored National Seminar on Environmental impacts on health: Towards a better future*, 27th & 28th March, 2015. [ISBN 978-93-82623-51-1](2015)

- Jana NK, **Nanda T** and Nanda DK, *Effects of Azadirachtin on the ganglionic neurosecretory elements of matured nymphs of *Periplaneta americana**. Proc .Zool. Soc. Calcutta 45 (suppl. A) 301-305(1992)
- Pal S, **Nanda T**, Pal U and Nanda DK, *Anterior regeneration of the earthworm *Metaphire peguana* L. Replenishment of the lost segment and concomitant development of cephalic nerve ring*.Proc .Zool. Soc. Calcutta 45 (1) 33-37(1992)
- **Nanda T**, *Impact of Urbanization on Dragon flies (Insecta: Odonata) in metropolitan city Calcutta*. Proceedings of Cosmos Conference(1993)
- **Nanda T** and Nanda DK, *Cytoanatomical Profile of ganglionic whorl in *Lymnaea (Radix) uteola* with particular reference to neurosecretion*. Proc .Zool. Soc. Calcutta 46 (2) 113-117(1993)
- Choudhuri PS, Nanda DK, Bhattacharjee G and **Nanda T**, *Organic Farming through Vermicomposting*, Proc .Zool. Soc. Calcutta 54 (1) 18-21(2001)
- **Mukherjee S**, & Lahiri T, *Air Pollution and Seasonal Impact on Alveolar Macrophage Response in Resident Population of Calcutta*, Proceedings of the 85th session of the Indian Science Congress, Hyderabad (Section of Zoology, Entomology and Fisheries) (1998)
- **Mukherjee S**, & Lahiri T, *Assessment of Air Pollution Effects on Calcutta Hawkers and Roadside Workers by the Alveolar Macrophage Response*, Proceedings of the 85th session of the Indian Science Congress, Hyderabad (Section of Medical and Veterinary Sciences) (1998)
- **Mukherjee S** & Lahiri T, *Alveolar Macrophage Response of Automobile Service Station Workers: A Stress Signal from Occupational Exposure*. Proceedings of the 85th session of the Indian Science Congress, Hyderabad (Section of Physiology) (1998)
- Lahiri T, Ray MR, **Mukherjee S**, *Alveolar Macrophage Response in Calcutta Residents: A Risk Assessment of Air Pollution*, 17th Annual Convention of IACR (1998)
- Lahiri T, **Mukherjee S**, Basu C, *Assessment of Pulmonary and Genotoxic Effects of Automobile Exhausts in Chronically Exposed Persons*, Proceedings of 10th All India Congress of Zoology and National Symposium on Environmental Degradation and Animal Biodiversity: The Problems in India and Its Remedial Measures (1998)

- Lahiri T, **Mukherjee S**, Ray MR, *Usefulness of Sputum Alveolar Macrophage Count in the Assessment of Exposure Effect to Ambient Air Pollution*, Proceedings of International Conference of Women in Science, pg. 126-129(1998)
- **Mukherjee S**, Lahiri T, *Prevalence of Iron-laden Macrophages in Sputum of Calcutta Residents*, Proceedings of the 86th Session of Indian Science Congress, Chennai (Section of Medical and Veterinary Sciences)(1999)
- **Mukherjee S**, Lahiri T, *Pulmonary Alveolar Macrophage Response in Women Exposed to Emissions from Different Cooking Fuels*, Proceedings of the 88th Session of the Indian Science Congress, New Delhi (Section of Zoology, Entomology and Fisheries)(2001)
- **Mukherjee S**, Lahiri T, *Cooking Fuel Emission and Respiratory Health: A Study in Calcutta*, Proceedings of the 88th Session of the Indian Science Congress, New Delhi (2001)
- **Patra AK**, Sen Gupta I & Pal Roy M, *A preliminary bacteriological assessment of ground water with reference to coliforms at Jalpaiguri district town of West Bengal, India*, Proceedings of 5th International Conference on Environmental Aspects of Bangladesh, 88-89.(2015)
- **Patra AK**, Choudhury A., Bhattacharyya A., Datta B. & Choudhury A, *Genetic Diversity of Homopteran Insect Pests Population in Sunderbans Biosphere Reserve With Special Reference to Sagar Delta Block, West Bengal*, Proc. Nat. Semi. on Biodiversity Conservation and Management with special Emphasis on Biosphere Reserve. 11-17(2000)
- Choudhury A, **Patra AK**, Bhattacharyya A, Datta B & Choudhury A , *Ecological Inventory of Leafhoppers and Planthoppers in Sunderbans Biosphere Reserve with Special Reference to Sagar Delta Block, West Bengal*, Proc. Nat. Semi. on Biodiversity Conservation and Management with special Emphasis on Biosphere Reserve. 25-29(2000)
- **Sinha J**, *Studies on Ichthyofaunal Diversity of Lentic Water Bodies in Asansol Subdivision*, in *Recent Trends in Zoology with Special Emphasis on Animal Diversity, Fisheries and Genetics*, : 67-75, ISBN : 978-93-80663-52-4(July, 2012)
- **Sinha J**, *Study of Seasonal Ichthyo-diversity in a pond of Asansol, West Bengal, India*, In *Proceedings of National Conference on Biodiversity-Issues , Concern & Future Strategy*, : 103-110, West Bengal Biodiversity Board, Kolkata. ISBN: 978-93-92258-17-19(2015)

Book Chapter :

- Chaudhuri S and **Bhattacharjee M**, **Chapter:** Mitochondria: The Portrayal of an Executioner. **In:** *Mitochondria Structure, Function and Dysfunction*. Nova Science Publishers, Inc. New York, USA. (2009)
- Lahiri T, **Roy S**, Ray MR. **Chapter:** Pulmonary and systemic effects of air pollution in urban and rural India. **In:** *Environmental Change and its Impact* (eds. M.K. Mitra, P.Sarkar, S. Biswas); Classique Books, Kolkata (2006)
- **Roy (Mukherjee) S**, **Chapter:** Asit Mukhopadhyay. **In:** *Asit Mukhopadhyay Memorial Volume* (ed. Majumder, A); Udahoron Natyogoshthi, Kolkata (2014)
- **Patra AK**, Macro Benthic Faunal Composition in Karala River, a Tributary of the River Teesta. *Animal Diversity, Natural History and Conservation- Vol 4* by Daya Publishing House, a division of Astral International Pvt. Ltd., New Delhi (2015)
- **Patra AK**, **Chapter :** Review on fresh water river in fin-fish diversity in Northern part of West Bengal, India. *Animal Diversity, Natural History and Conservation- Vol 3* by Daya Publishing House, a division of Astral International Pvt. Ltd., New Delhi (2012)
- **Sinha J**, "EPI and some macroeconomic indicators" in *Environment and Sustainable environment in India*, pp. 79.
- **Sinha J**, "Knowledge Management, Human Resource Management and Sustainability: An Integration" in Seminar volume on Human Resource Management – Leading the Changes, pp. 121
- Chakraborty A, **Majumdar S**, Ram SS, Sudarshan M, Santra S, Jana NK. **In:** H.N. Thatoi, and B.B. Mishra, (eds.), *Environmental Monitoring Using Lichen as Bio-indicator. Microbial Bio-technology: Methods and Application*. Narosa Publication. pp. 272-283. New Delhi (2012)

Books Published :

- **Mukherjee S**, Research Contributor in the book entitled, "**Health Effects of Air Pollution: A Study on Kolkata**", Published by Department of Environment, Govt. of West Bengal & West Bengal Pollution Control Board, Kolkata (2002)

- **Sinha J**, Text Book of Immunology. Academic Publishers. ISBN: 81-89781-09-X. Kolkata, India(2006)

Journal Publications :

- Mitra A, Biswas A, Sarkar M, Mukherjee Pallabi, Maji Soma and Bhattacharjee M, *Evaluating sustainability of Urban and Peri-urban water bodies in and around South Kolkata followed by identification of the prevalent species of fish available in such conditions.* **Bodhi Bigyan2(3) :124-133.**(2012)
- **Bhattacharjee M**, *Screening of the prevalent species of fishes of Urban and peri-urban aquatic systems in and around South Kolkata followed by Ecological Profiling of those water bodies.* **Sansodhan 2:1-5**(2012)
- Ghosh A, **Bhattacharjee M**, Sarkar P, Acharya S, and Chaudhuri S, *T11 target structure exerts effector function by activating immune cells in CNS where cytokine modulation provide favorable microenvironment.* **Ind.J.Exp.Biol. 48:879-888**(2010)
- Sarkar P, **Bhattacharjee M**, Acharya S, Ghosh A, Sandhu M, Guhamusthafi D, Das Gupta S, Chaudhuri S, *Subacute toxicity study of T11TS: A Novel immunotherapeutic Glycopeptide against Glioma.* **Adv. Pharm .Toxicol.11(1).**(2010)
- Acharya S, Chatterjee S, Kumar P **Bhattacharjee M**, Chaudhuri S and Chaudhuri S, *Induction of G1 arrest in glioma cells by T11TS is associated with upregulation of Cip1/Kip1 and concurrent downregulation of cyclin D (1 and 3).* **Antican. Drugs. 21(1) :53-64**(2010)
- **Bhattacharjee M**, *Death that is programmed-A Brief Review.* **Bodhi Bigyan1(3) :72-92.**(2009)
- **Bhattacharjee M**, Acharya S, Ghosh A, Sarkar P, Chatterjee S, Kumar Pand Chaudhuri S, *Bax and Bid act in synergy to bring about T11TS mediated glioma apoptosis via the release of mitochondrial cytochrome c and subsequent caspase activation.* **Internat. Immunol.20(12):1489-1505.**(2008)
- **Bhattacharjee M**, Ghosh A, Sarkar P, Acharya S, Chaudhuri Sand Chaudhuri S, *Differential functional modulation of the death proteins in*

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- **Bhattacharjee M**, Bose I, Sarkar P, Banerjee C, Dutta S, Ghosh A, Mukherjee J, Acharya S, Goswami S, Mazumdar A, Chaudhuri S and Chaudhuri S, *A sequential scanning of the immune efficiency in Astrocytoma (Grade I-Grade III), Meningioma & Secondary glioma patients with and without therapeutic scheduling.* **Can. Invest.** **24(5)**:502-513(2006)
- **Bhattacharjee M**, Sarkar S, Dutta S, Begum Z, Roy RU, Chaudhuri S and Chaudhuri S, *Differential regulation of the protein tyrosine kinase activity following interleukin-2 (IL-2), interferon gamma (IFN- γ) and SRBC administration in brain tumor induced conditions: SRBC acting as a dual potentiator in regulating the cytokine profile.* **Can. Biol. Ther.** **3(8)**: 755-760(2004)
- Sarkar P, **Bhattacharjee M**, Acharya S, Ghosh A, Tripathy SK and Chaudhuri S, *Acute toxicity studies of T11TS: a glycopeptide with antineoplastic effects against glioma.* **Toxicol. Int.** **14(1)**: 47-56(2007)
- Sarkar P, **Bhattacharjee M**, Acharya S, Ghosh A, and Chaudhuri S, *Functional and receptor modulation of T -lymphocyte and macrophage in acute and subacute dose finding studies of a novel immunotherapeutic molecule T11TS.* **J. Cell. Tiss. Res.** **7(2)**:1013-1018(2007)
- Ghosh A, Mukherjee J, **Bhattacharjee M**, Sarkar P, Acharya S and Chaudhuri S, *T11TS/SLFA-3 Differentially Regulate The Population Of Microglia And Brain Infiltrating Lymphocytes To Reduce Glioma By Modulating Intrinsic Bcl-2 Expression Rather Than p53.* **Central Nervous Sys. Agents Med. Chem.** **7(2)**:145-155(2007)
- Ghosh A, Mukherjee J, **Bhattacharjee M**, Sarkar P, Acharya S, Chaudhuri S and Chaudhuri S, *The Other Side of the Coin: Beneficiary Effect of 'Oxidative Burst' Upsurgewith T11TS Facilitates the Elimination of Glioma Cells.* **Cell Mol. Biol. (Noisy-le-grand)** **53 (5)**:53-62(2007)
- Mukharjee J, Ghosh A, Sarkar P, **Mazumdar M**, Banerjee C and Chaudhuri S, *Immunotherapy with T11TS /SLFA-3 specifically induces*

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- Sarkar P, Mukherjee J, Ghosh A, **Bhattacharjee M**, Mahato S, Chakraborty A, Mondal M, Banerjee C and Chaudhuri S, *A comparative analysis of immunorestitution and recovery with conventional and immunotherapeutic protocols in canine generalized demodicosis: a newer insight of immunotherapeutic efficacy of T11TS. Immunol. Invest.33(4): 457-472(2004)*
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- **Kundu S**, Roy S, Biswas A, De J, Pramanik M and Ray AK, *Possible influence of dopaminergic receptor in maintenance of thyroid hormone homeostasis: A study in adult rat brain. J.Endocrinol.Metab.2(3): 128-134(2012)*
- **Kundu S** and Ray AK, *Thyroid hormone homeostasis in adult mammalian brain: A novel mechanism for functional preservation of cerebral T3 content during initial peripheral hypothyroidism. Al Ameen J. Med. Sc. (India).3(1): 5-20(2010)*

- **Kundu S**, Biswas A, Roy S, De J, Pramanik M and Ray AK, *Thyroid hormone homeostasis in brain: Possible involvement of adrenergic phenomenon in adult rat. Neuroendocrinology.89(2): 140-145(2009)*
- **Kundu S**, Roy S, De J, Biswas A, Pramanik M and Ray AK, *Maintenance of homeostasis for thyroid hormone in adult rat brain: Possible involvement of adrenergic phenomenon in adult rat. Neuroendocrinology.86: 94-103(2009)*
- Biswas A, Roy S, De J, **Kundu S**, Pramanik M and Ray AK, *Variations in hepatic estradiol-17 β receptor concentrations during the annual reproductive cycle of diploid and triploid female catfish, Heteropneustes fossilis (Bloch). Life Sc.80: 1777-1783(2007)*
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- Pal U, **Nanda T** and Nanda DK, *Cytomorphologic analysis of pars intercerebralis Neurosecretory Cells and Corpora Cardiaca in course of metamorphosis of Periplaneta americana. Indian Biologist. 23(2)40-44(1991)*
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- Lahiri T, **Roy S**, Basu C, Ganguly S, Ray MR, Lahiri P, *Air Pollution in Calcutta Elicits Adverse Pulmonary Reaction in Children*. **Indian Journal of Medical Research**; 112:21-26(2000)
- **Roy S**, Ray MR, Basu C, Lahiri P, Lahiri T, *Abundance of Siderophages in Sputum: Indicator of an Adverse Lung Reaction to Air Pollution*. **Acta Cytologica**; 45(6):958-964(2001)
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- **Patra AK**, Das V, Datta T & Ghosh Dastidar S, *Zooplankton fauna of Moraghat forest, a territorial forest of Jalpaiguri district, West Bengal, India*, *Eur. J. Exp. Biol.*, 5(1):39-47(2015)
- **Patra AK**, Datta T, Das V & GhoshDastidar S, *Fin-fish diversity in Moraghat forest, a territorial forest of Jalpaiguri District, West Bengal, India*, *Int. J. Fishery Aqu. Studies*, 2(3): 118-124(2014)
- Datta T, **Patra AK** & Ghosh Dastidar S, *Medicinal plants used by tribal population of Coochbehar district, West Bengal, India-an ethnobotanical survey*. *Asian Pacific J. Trop. Biomed.*, 4(1):78-82(2014)
- **Patra AK**, Das V & Guha P, *Mosquito control using Badis badis (Hamilton, 1822) [Teleostei: Perciformes] in groundwater (domestic well): Preliminary findings of a laboratory trial*. *Int. J. Fishery Aqu. Studies*, 2(1): 131-133(2014)
- **Patra AK** & Datta T, *Occurrence of regenerated tail in Indian freshwater spiny eel, *Macrognathus pancalus* Hamilton, 1822 (Teleostei:*

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- Sen Gupta I, Pal Roy M & **Patra AK**, *Study gut-associated amylase producing bacteria in some commercially important freshwater riverine ichthyofauna of North Bengal (West Bengal, India)*. *Cibtech J. Zool.*,1(1):1-7(2012)
- **Patra AK**, *Catfish (Teleostei: Siluriformes) diversity in Karala River of Jalpaiguri District, West Bengal, India*. *J. of Threatened Taxa*, 3 (2): 1610-1614(2012).
- **Patra AK**, Sengupta S & Datta T, *Physico-chemical properties and Ichthyofauna diversity in Karala River, a tributary of Teesta River at Jalpaiguri District of West Bengal, India*. *Int. J. App. Biol. and Pharma. Tech.*, 2(3):47-58(2011)
- **Patra AK** & Datta T, *Diversity of Cypriniformes Fish Fauna in Karala River, a tributary of Teesta River at Jalpaiguri District of West Bengal, India*. *Research J. Biol. Sci.*, 5(1): 106-110(2010).
- **Patra AK**, *Laboratory trials on the feeding pattern of mosquito larvae by Ornamental fishes (Mollies and Swordtails) in domestic well water*. *Uttar Pradesh J. of Zoology*. 30(1):47-52(2010)
- **Patra AK**, Sen S & Das T, *Bacterial Contamination in Artificial Infant Milk in Some Districts of West Bengal*. *Environment and Ecology* 26(4A): 1901-1904(2008)
- Ghoshal S, **Patra AK**, & Choudhury A, *Sustainable Growth of *Westiellopsis prolifica* (Janet) in Different pH and Salinity Ranges Isolated from Sunderbans Biosphere Reserve, West Bengal*. *Environment and Ecology* 21(4): 801-803(2003)
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- **Sinha J**, *Waterfowl Population in Some wetlands in and around Calcutta and Howrah using some Community Parameters. Environment & Ecology* 16: 904-908(1998)
- **Sinha J**, *Studies on Some Antarctic Testaceans (Protozoa: Rhizopoda): A Community Analysis. Ecology, Environment and Conservation* 6: 237-243(2000)
- **Sinha J**, *Targeting of Liposomal andrographolide to L. donovani infected macrophages in vivo. Drug Delivery* 7: 209-213(2000)
- **Sinha J**, *Targeting of glycoside grafted liposomes to specific hepatocellular sites. Journal of Surface Science and Technology* 16: 200-209(2000)
- **Sinha J**, *Liposomal antioxidants in combating ischemia reperfusion injury in rat brain. Biomedicine Pharmacotherapy, Dossier: Stroke* 55: 264-271(2001)
- **Sinha J**, *Bacopasaponin C: Critical evaluation of antileishmanial properties in various delivery modes. Drug Delivery* 9: 55-62(2002)
- **Sinha J**, *Quercetin: Critical evaluation as an antileishmanial agent in vivo in hamsters using different vesicular delivery modes. Journal of Drug Targeting* 10: 573-578(2002)
- **Sinha J**, *Targeting of liposomal flavonoid to liver in combating hepatocellular oxidative damage. Drug Delivery* 9: 181- 185(2002)
- **Sinha J**, *Cysteine protease, a factor for Leishmanial Virulence: an in silico analysis. SAJOSPS* 4(1): 102-109(2003)
- **Sinha J**, *Effects of some Heavy metals on some moss dwelling testacids (Protozoa: Rhizopoda) communities: A Model approach. Pollution Research* 23(2): 285-290(2004)
- **Sinha J**, *Vermicompost it's proper application in the cultivation of Aloe barbadensis. Indian Journal of Environment and Ecoplanning* 14(1)(2007)
- **Sinha J**, *Economics of sustainable environment. SAJOSPS* 9(1): 18-24(2008)

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- **Sinha J**, *Efficacy of Vermicompost against fertilizers on Cicer and Pisum and on population diversity of N₂ fixing bacteria. Journal of Environmental Biology* 31: 289-292(2010)
- **Sinha J**, *Antibacterial activity of some plants of the family Compositae. Journal of Botanical Society of Bengal* 63(2): 115-118(2009)
- **Sinha J**, *Exploitation of vermicompost as environment friendly biofertilizer for crop productivity as a sustainable Agro-horticulture practice. Wesleyan Journal of Research* 4(2) Special Issue : 20-34(2011)
- **Sinha J**, *Biodiversity Informatics : A silent revolution for management of Biological diversity data and information. Journal of Environment and Sociobiology* 8(1): 69-78(2011)
- **Sinha J**, *Study of some calcium channel inhibiting spider toxins through bioinformatic tools. Journal of Advanced Bioinformatics Applications and Research* 4(3):80-92(2013)
- **Sinha J**, *In silico structure analysis of potassium channel Bgk toxin and its docking prediction with human voltage gated potassium (Kv) channel. Journal of Chemical and Pharmacological Research* 7(5): 451-559(2015)
- Ram SS, **Majumder S**, Chaudhuri P, Chanda S, Santra SC, Chakraborty A & Sudarshan M. A review on air pollution monitoring and management using plants with special reference to foliar dust adsorption and physiological stress responses. ***Critical Reviews in Environmental Science and Technology***.2015, 45(23): 2489-2522.
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- Ram SS, **Majumder S**, Chaudhuri P, Chanda S, Santra SC, Chakraborty A and Sudarshan M. Characterization of Dust Particulates Deposited On Plant Leaf Surfaces Using EDXRF: An Approach for Pollution Monitoring. *International Journal of Environmental Science*. 2010, 1(2), 233-238.
- **Majumder S**, Ram SS, Jana NK, Santra S, Chakraborty A, Sudarshan M. Accumulation of minor and trace elements in lichens in and around Kolkata, India: An applicaion of X-ray fluorecence techniques to air pollution monitoring. *X-ray Spectrometry*. 2009, 38, 469-473.
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17. No. of Faculty as members in :

a) National committees :

Dr. Trijit Nanda	<ul style="list-style-type: none"> • Life member of Indian Science Congress Association • Life Member of Gorky Sadan
Dr. Malabika Bhattacharjee	<ul style="list-style-type: none"> • Life member of Indian Science Congress Association • Life member of The Zoological Society, Kolkata
Dr. Samita Kundu	<ul style="list-style-type: none"> • Life member of Indian Science Congress Association
Dr. Senjuti Roy Mukherjee	<ul style="list-style-type: none"> • Member, Paschim Banga Natya Academy
Dr. Shaoli Majumder	<ul style="list-style-type: none"> • Life member of Indian Science Congress Association
Dr. Amal Kumar	<ul style="list-style-type: none"> • Life member of Zoological Society, Kolkata

Patra	<ul style="list-style-type: none"> • Life member of Susama Devi Choudhurani Marine Biological Research Institute, Sagar Island
Dr. Jayanta Sinha	<ul style="list-style-type: none"> • Fellow member of Zoological Society, Kolkata(FZs, Cal) • Fellow member of Zoological Association of Burdwan(FZAB) • Fellow member of International Congress of Chemistry and Environment(FICCE) • Life member of Zoological Society of India

b) International Committees : NA

c) Editorial Boards :

- Dr. Senjuti Roy(Mukherjee), Editor, *Bodhi Vignan*, Science Journal published by Vivekananda College.
- Dr. JayantaSinha- Member, Editorial Board, Research Journal of Chemistry and Environment.

18. Student projects :

a) Percentage of students who have done in-house projects including inter-departmental/programme : 10% to 14% every year

BSc Zoology Honours/General Environmental Studies (Compulsory) project – 100%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies : 2%

19. Awards/Recognitions received by faculty and students :

- **Dr. Malabika Bhattacharjee** was awarded
 - Best Speaker-Medal, International Conference on Integrative Physiology, PSI(2009)
 - Best Speaker Award, National Symposium on Emerging Perspectives-Zoological Research, VU(2010)
 - Best Speaker and presentation, Scientific meet by Indian Academy of Neurosciences, IAN(2010)

- 2nd best Oral presentation, National Conference on Interface of Science and Environment, STM and IISBM(2011)
- Best Speaker Award, National Conference on Interface of Science and Environment, STM and IISBM(2011)
- 2nd best poster presentation, State Level Seminar on Recent Advances in Zoology and its Application in Human Welfare(2012)
- Best paper award, International Conference on “Environment and its impact on Society(2013)
- Trainer Associate, UGC scheme of Capacity Building of Women Manager [CBWM].(2012 onwards)

- **Lt. Dr. Trijit Nanda** was awarded
 - Chairperson, UGC-Biochemical Diversity Encompassing Advanced Sustainable development(2014)
 - Judge, Children Science Congress Energy(2014)
 - Honorable Jury Member, District Level Science Exhibition under Inspire Award Scheme of Govt.WB(2015)
 - GB, University Nominee, Vidyanagar College, Kolkata(2015)
 - Company Commander, CATC camp under Indian Army(2015)

- **Dr. Samita Kundu** was awarded
 - Best poster presentation, 2nd Women’s Science Congress Session of 100th Indian Science Congress

- **Dr. Senjuti Roy(Mukherjee)** was awarded
 - Best actress, Natyaswapnokolpo, Annya Theatre(2012-13)

- **Dr. Amal Kumar Patra** was awarded
 - University Gold Medal for standing 1st Class First in M.Sc., Vidyasagar University(1998)
 - Anil Bandhu Das Memorial Gold Medal for standing 1st Class First in M.Sc, Vidyasagar University(1998)

- **Dr. Jayanta Sinha** was awarded
 - Calcutta University Medal (First in First Class), Calcutta University(1993)
 - M.M. Chakraborty Memorial Medal, Zoological Society, Kolkata(2002)

- **Dr. Shaoli Majumder** was awarded
 - Best Oral presentation, Environmental Science section, West

Bengal State Science Congress(2008)

- **Amalendu Das, Souparna Chakraborty, Ankita Chatterjee**(student) were awarded
 - First prize in Quiz Competition, 16thDipta Memorial Symposium, BIRSF
- **Anuradha Batabyal, Anandarup Bhadra, Areen Sen**(students) were awarded
 - Second prize in Quiz Competition, 16thDipta Memorial Symposium, BIRSF
- **Gargi Sikder, Subhrangshu Basu, Rituparna Halder**(students) were awarded
 - Third prize in Quiz Competition, ZOO Quest organized by Zoological society, and Department of Zoology, Calcutta University(2014)
- **Chandni Chatterjee**(student) was awarded
 - Represented India at Sri Lanka in YEP (Youth Exchange Programme), 20 Bengal Bn, NCC, Ministry of Defence(2013)
 - Best Cadet Award, Governor's medal, 20 Bengal Bn, NCC, Ministry of Defence(2013)
- **Arka Mitra**(student) was awarded
 - Participated in Prime Minister's Rally(2013)
 - Summer fellowship by Indian Institute of Science, Indian Institute of Science, Bangalore(2011)
- **Anasuya Chakraborty**(student) was awarded
 - Summer fellowship by Indian Institute of Science, Indian Institute of Science, Bangalore(2008)

20. List of eminent academicians and scientists/visitors to the department

- ❖ **Prof. Madhav Gadgil**, Centre for Ecological Sciences, I.I.Sc., Bangalore
- ❖ **Prof. Ashok Ranjan Thakur**, Vice Chancelleor, W.B. University of Technology
- ❖ **Dr. Shantanu Dutta**, Principal Scientist, Astra-Zeneca, Bangalore

- ❖ **Dr. R.L. Brahmachary**, Ex-Professor, Indian Statistical Institute
- ❖ **Prof. Naresh Ch. Dutta**, Former Head, Department of Zoology, University of Calcutta
- ❖ **Prof. Pulak Lahiri**, Faculty, Department of Zoology, University of Calcutta
- ❖ **Mr. Arijit Banerjee**, Director, Institute of Environmental studies and wetland management
- ❖ **Dr. Dipak Mandal**, Director of Public Instructions
- ❖ **Dr. Ashok Sanyal**, Chairman, West Bengal Biodiversity Board
- ❖ **Dr. Pranabesh Sanyal**, Chief Conservator of Forest
- ❖ **Swami Suparnananda**, Secretary, The Ramkrishna Mission Institute of Culture, Kolkata
- ❖ **Dr. Somnath Bhattacharya**, Associate Professor, Department of Mechanical Engineering, Jadavpur University
- ❖ **Dr. Deep Chandan Chakraborty**, Assistant Professor, WBES, Chandernagore College, West Bengal.

21. Seminars/Conferences/Workshops organized & the source of funding :

Title	Year	Funding Agency
K.S. Rao Memorial Lecture	Every year	College funded
National Workshop on Evolutionary Approach in the studies of Ecology and Behaviour	2005	UGC
Swami Vivekananda, A Spiritual Scientist	2014	UGC

22. Student profile programme/course-wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
BSc Zoology Honours	1298	63	20	32	100
BSc Zoology General	--	150	56	57	

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
BSc Zoology Honours	100	Nil	Nil
BSc Zoology General	100	Nil	Nil

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services,etc.? NA**25. Student progression :**

Student progression	Against % enrolled
UG to PG	90%-95% each year
Employed :	
Campus selection	-----
Other than campus recruitment	
Entrepreneurship/Self-employment	----

26. Details of Infrastructural facilities	:	
a) Seminar Library (No. of Books)	:	600
b) Internet facilities for Staff & Students	:	For all
c) Class rooms with ICT facility	:	One
d) Laboratories	:	2 laboratories

27. Number of students receiving financial assistance from college, university, Government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

28. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts :

- National Workshop on Evolutionary approach in the studies of Ecology and Behaviour [**Prof. Raghavendra Gadagkar**(2005)]
- Special lecture on : Butterflies: Of beauty, venom and deceit[**Prof. Raghavendra Gadagkar** (2005)]
- Special lecture on : Bioinformatics: Modern tool for learning Biology,[**Prof. Ashok Ranjan Thakur**(2007)]
- Special lecture on : Drug discovery – yesterday, today and tomorrow[**Dr. Shantanu Dutta** (2008)]
- Special lecture on : Tiger pheromone[**Dr. R.L. Brahmachary**(2008)]
- Special lecture on : Environment, Biodiversity and Conservation: A Broad Spectrum Prologue[**Prof. N.C. Dutta**(2010)]
- Special lecture on : Tiger Population in India[**Dr. Pranabesh Sanyal**(2010)]
- Special lecture on : Forest in India- Past, present and future[**Mr. Arijit Banerjee**(2011)]
- Special lecture on : A tribute to L.H. Hyman[**Dr. Dipak Mondal**(2012)]
- Special lecture on : Biodiversity and Conservation in Indian Perspective[**Dr. A.K.Sanyal**(2013)]
- One-day seminar on Swami Vivekananda: A Spiritual Scientist[**Swami**

Supurnananda, Dr. Somnath Bhattacharya(2013)]

- Special Lecture on Animals in Wild[Dr. Deep Chandan Chakraborty(2015)]

29. Teaching methods adopted to improve student learning :

- Classroom theoretical lectures
- Classroom PowerPoint lectures
- Classroom-Theoretical explanations with the help of animations
- Practical classes in the labs for demonstration and practices
- Individual level teaching interactions and academic counseling of students
- Seminars and special lectures
- Field studies – within the campus, in Zoo and museum, in natural ecosystems, Institute visits

30. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- College cleaning programme taken up by departmental students.
- The department participated in a general exhibition, organized in the campus on August 21-22, 2011 to commemorate the diamond jubilee year of the college and documentary films were displayed to the public (including the local school children) to increase their awareness about the environment and support its conservation.

31. SWOC analysis of the department and Future plans :

Strength :

- Seminar library For Students
- Museum
- Field studies and excursions
- Students' Library
- Soft Skill development Cell
- Wall Magazine-ZOOPULSE

Weakness :

- Shortage of Laboratory space to cope with the increasing number of students.
- Shortage of Non-Teaching Staff.

Opportunity :

- The students are exposed to departmental lectures by eminent scientists,
- lecture presentation by students themselves,
- institute visits and different interactive sessions with in-house and outside faculties in diverse fields of science.

Challenge :

- To enhance the presentation and interactive capacities of students
- To augment comprehensive updated knowledge on all the branches of contemporary animal science and
- To train up interested students for their future pursuit in applied courses and various fields of research.

Future Plans :

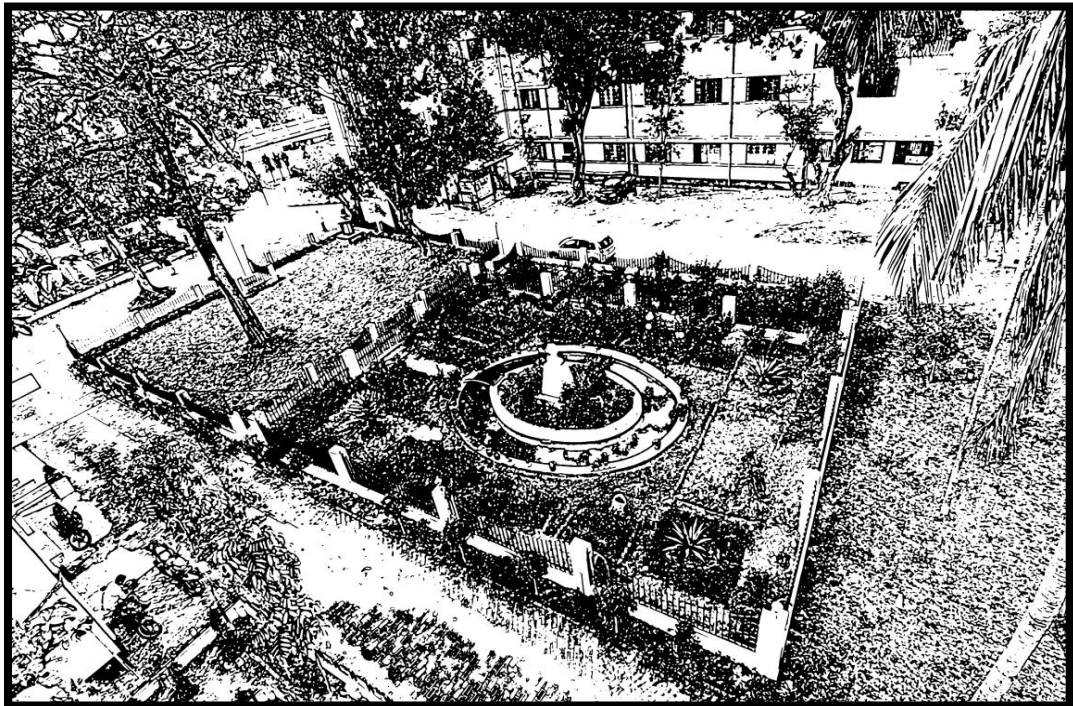
- To continue to prepare our students with commendable vitality in scientific pursuit in the fields of molecular biology, animal physiology, endocrinology, immunology, neurobiology etc.
- Inspiring the students with more project work and
- To inspire them to excel in all their future endeavour in the field of teaching and research.

Annexure I

Name	No. of Papers Published in Peer Reviewed Journals		Number of publications listed in International Database		Mono-graphs		Chapters in Books		Books Edited		Books with ISBN/ISSN numbers		Citation Index	Impact Factor
	National	Int'l	No.	Name	No.	Pub	No.	Pub	No.	Pub	No.	Pub		
Dr.Malabika Bhattacharjee	9	11	8	PubMed-NCBI 2 Science Direct 8 Google Scholar			1	Nova Science Publishers, Inc.New York, USA.						1.5 -5
Dr.SamitaKundu	2	8	7	PubMed-NCBI 4 Science Direct										2.3 -4.9
Dr. Shaoli Majumder	3	5	2	PubMed-NCBI			1	Narosa Publication. New Delhi						0.65-3.47
Dr. Senjuti Roy (Mukherjee)	2	3					1	Classique Books, Kolkata						
Dr Amal Kumar Patra	7	7	1	PubMed-NCBI and Science Direct Google			2	Daya Publishing House, a division of						0.681-3.04

			13	scholar				Astral International Pvt. Ltd., New Delhi.						
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EVALUATIVE REPORTS OF THE FACULTY OF ARTS



Faculty of Arts

1. **Name of the department** : **BENGALI**
2. **Year of Establishment** : 1950.
3. **Names of programmes /courses offered (UG,PG)** : UG courses in B.A. Bengali Honours and B.A. Bengali General (University of Calcutta)
4. **Names of Interdisciplinary courses and the departments /units involved** : Nil
5. **Annual/semester/choice based credit system (programmewise)** : Annual
6. **Participation of the department in the courses offered by other departments** : Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : MA Course in Distance Education, Vidyasagar University
8. **Details of courses/programmes discontinued (if any)** : Nil

9. Number of Teaching posts :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	02 (CAS)
Asst. Professors	05	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
SubrataSamanta	M.A., M.Phil.	Associate Professor	Pre-modern Literature	33
RatnaGhosh	M.A., PhD	Associate Professor	Novel & Short Stories	22*
Naba Kishore Chanda	M.A., B.Ed.	Assistant Professor	Comparative Literature	19
Md. Babul Hossain	M.A., PhD	Assistant Professor	Modern Poetry	01
PrasenjitMridha	M.A., PhD	Assistant Professor	Comparative Literature	11**
SushovanPyne	M.A., B.Ed.	Part-time Teacher(College Appointed)	Loka Sahitya	02

*including 2 years in Gobordanga Hindu College.

**including 10 years in Jangipur College.

11. List of senior visiting faculty : Nil.**12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty : Nil.**

- 13. Student-Teacher Ratio (programmewise) :**
- | | | |
|-------------|---|-------|
| i. Honours | : | 35:1 |
| ii. General | : | 60:1. |
- 14. Number of academic support staff (technical) and non-teaching staff :**
- | | | |
|------------------------|---|-----|
| i) Technical Staff | – | Nil |
| ii) Non-Teaching Staff | – | Nil |
- 15. Number of faculty with ongoing projects from**
- | | | |
|------------------|---|-----|
| a) National | : | Nil |
| b) International | : | Nil |
- 16. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :** Nil.
- 17. Research Centre/facility recognized by the University :** NA
- 18. Publications:**

List of books published

- **Chanda NK**, *Unish Shatak : PhireDekha*, ISBN 978-93-81170-78-6.(2014)
- **Mridha P** .*Upanyaser angik O Tarashankar*, EkushShatak, ISBN: 978-81-923688-7-0 (2012)
- **Samanta S**, *SahityoBichitra*, Calcutta Publishers
- **Ghosh R**, *Bangla Paribhasar dushobocho*, Sahityolok, (2003).
- **Ghosh R**, *Prabondho Bichitra*, Sahityolok.
- **Md. B. Hossain**, *Pala badoleadhunik Bangla kobita*,, ISBN:978-81-295-11412-7 (2012)
- **Md B. Hossain**, *EkalerkobitaEaisomoyerkobita*, ISBN:978-93-82012-83-2 (2013)
- **Pyne S**, *Raja prajargalpo* in Abosesh Das (Ed.) Ektara(2010)
- **Pyne S**, *EktaGhar* in Purnendu Prasad Bhattacharya(Ed.) Sahityamela(2015)

- **Pyne S**, *Alorkhonje* in Purnendu Prasad Bhattacharya(Ed.) Sahityamela(2015)

List of articles published

- **Chanda N**, *Vidyasagar Moner Jibon O mononkriya* in Baren Ghosh (ed.) *Jiboner Khonje*(2012)
- **Mridha P**, *Subodh Ghosh char char rupa ekhain* UttamPurkait(Ed.) Ujagar(2008)
- **Mridha P**, *Tarashankar Er Shilpa Riti* in Thought & Expression; ISSN: 2321-7804(2013)
- **Mridha P**, *Sahityo O Somaj Chetanay Bangla Natok* in Kaler Jatra; ISBN: 978-93-84383-20-6 (2014)
- **Mridha P**, *Noitik Mulyaner Punornirman* in Ethical Values in Modern Society: A reconstruction (2013)
- **Md B. Hossain**, *Hindu-MusolmanProsongo* inTapanMondal (Ed.) Pallisamaj(2006)
- **Md. B. Hossain**, *ManusherPanchali: BirendraChattopadhyay* in Amitabha Bhattachaya(Ed.) Kandari(2006)
- **Md. B. Hossain**, *Kachi Samsad: Kestor Prem* in Ujjwal Kumar Majumder(Ed.) Golpo Charcha(2008)
- **Md. B. Hossain**, *Kabi, Kabir Chokhe: Iswar Gupta* in Dr. K Mollah(Ed.) Prabandho O Samalochana, ISBN:81-89293-66-4(2009)
- **Md. B. Hossain**, *Banophuler Agniswar: Ek Byatikromi Charitrayan* in Bonophul Sattar Abiskar, ISBN:13-978-81-908061-8-3(2010)
- **Md. B. Hossain**, *Sesh Katha* in Dr. K. Mollah & Dr. R. Nasira (ed.) Rabindra Chhoto Golper Ruparekha, ISBN : 978-93-80973-21-0(2013)
- **Pyne S**, *Bankim Upanyaser Koyek Jon Nari* in Pratichi(2015)

19. Areas of consultancy and income generated : Nil

- 20. Faculty as members in :**
- | | | |
|-----------------------------|---|----|
| a) National committees | : | 01 |
| b) International Committees | : | NA |
| c) Editorial Boards | : | NA |
- 21. Student projects :**
- a) Percentage of students who have done in-house projects including inter departmental/programme :**
- BA Bengali Honours/General Environmental Studies (Compulsory) project – 100%.
 - 10 students worked in 5 projects under the active guidance of Prof. Sushovan Pyne.
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies :** Nil
- 22. Awards/Recognitions received by faculty and students:** Nil.
- 23. List of eminent academicians and scientists/visitors to the department :**
- ❖ **Prof. Rabiranjana Chattopadhyay**, Former Professor, Burdwan University.
 - ❖ **Prof. Bimal Kumar Mukhopadhyay**, Former Ramtanu Lahiri Professor, University of Calcutta.
 - ❖ **Prof. Saumitra Basu**, Jadavpur University.
 - ❖ **Prof. Pabitra Sarkar**, Former Vice Chancellor, Rabindra Bharati University.
 - ❖ **Prof. Pinakesh Sarkar**, Jadavpur University.
 - ❖ **Prof. Shisir Majumder**, Rabindra Bharati University.
 - ❖ **Prof. Sanat Naskar**, University of Calcutta.
 - ❖ **Prof. Suranjan Middey**, Rabindra Bharati University.
 - ❖ **Dr. Arjundeve Sensharma**, Silchar University.

24. Seminars/Conferences/Workshops organized & the source of funding : Nil

25. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
Honours	1208	108	27	77	97.78
General	--	304	124	170	--

26. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
Honours	100	Nil	Nil
General	100	Nil	Nil

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : NA

28. Student progression

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	-
PG to Ph.D.	-

- 29. Details of Infrastructural facilities :**
- a) Seminar Library (No. of Books) :150
- b) Internet facilities for Staff & Students : All
- c) Class rooms with ICT facility :One
- d) Laboratories : NA

- 30. Number of students receiving financial assistance from college, university, government or other agencies :**

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

- 31. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts :**

The department organizes seminar/special lecture by inviting eminent scholars on the field.

- 32. Teaching methods adopted to improve student learning :**

The department conducts regular class tests and mid-term test, so as to evaluate the students' performance. The students of the department are engaged in project works under the guidance of the teachers.

- 33. Participation in Institutional Social Responsibility (ISR) and Extension activities :**

Few of the students participate in the ISR through the NSS & NCC unit of the college.

- 34. SWOC analysis of the department and Future plans :**

Strength :

- The Department has a full house resourceful, dedicated faculty.
- This department has its own departmental library with more than 150 books.
- Students are involved in project works under the guidance of teachers.
- Visit to places of literary interest.

Weakness :

- A considerable number of students are coming from socially and economically weaker section
- Insufficient books in the departmental library.

Opportunities :

- To serve the students interested in literature coming from vast areas surrounding the college.

Challenges :

- Preparing the students for higher studies,
- To elevate the academic standard of the students coming from economically weak background.
- To improve the condition of the departmental library.

Future Plan :

- To introduce regular PG Course in Bengali under the affiliation of Calcutta University,
- To encourage more students for engaging them in project works.
- To improve the quality of departmental library.

-
- 1. Name of the department** : **ENGLISH**
- 2. Year of Establishment** : 1950
- 3. Names of programmes /courses offered (UG, PG)**
: UG course in BA English (Hons.) and UG Course in BA English (General) (University of Calcutta)
- 4. Names of Interdisciplinary courses and the departments /units involved** : NA
- 5. Annual/semester/choice based credit system (programmewise)** : Annual
- 6. Participation of the department In the courses offered by other Departments** :
Dr.Anuradha Mukherjee delivered a lecture on “Friendship” in the Department of Philosophy, and another on “The significance of dreams in Literature” in the Department of Philosophy.
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.** : MA Course in Distance Education, Vidyasagar University

8. Number of Teaching posts :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	02 (CAS)
Asst. Professors	05	01

9. 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
Smt. Sukanya Sanyal	M.A.	Associate Professor	Modern European classics in translation	22
Dr. Anuradha Mukherjee	Ph.D.	Associate Professor	Shakespeare	19
Sri. Shubhendu Purkait	M.A.	Assistant Professor	New literatures	02
Monideep Chakrabarty	M.A., M.Phil	Part-Time Teacher (College Apptd.)	Modern European classics in translation	02
Rupkatha Basak	M.A.	Temporary Teacher	Literary Theory	03

10. List of senior visiting faculty : NA

11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 5%

12. Student-Teacher Ratio (programmewise) :
 i. Honours : 40:1
 ii. General : 35:1

13. Number of academic support staff (technical) and Non-Teaching staff :
 i. Technical Staff : NA
 ii. Non-Teaching Staff : NA

14. Faculty with ongoing / completed projects :

Name	No. of Projects	Ongoing/ Completed	Year	Name of the Funding Agency	Whether Agency is National or International	Grants Received (inRs.)
Dr. Anuradha Mukherjee	1	completed	2004	UGC	National	75000/-
Smt. Sukanya Sanyal	1	do	2004	UGC	do	70000/-

15. Research Centre/facility recognized by the University : NA

16. Publications (Last Four Years) : See Annexure—1

17. No. of Faculty as members in :

a) National committees : NA
 b) International Committees : NA
 c) Editorial Boards : Sukanya Sanyal is the Joint Editor of the journal

'Bodhi-kala'
published by
the college.

18. Student projects :

a) Percentage of students who have done in-house projects including inter-departmental/programme :

- BA English Honours/General Environmental Studies (Compulsory) project – 100%
- 4% of our students have participated in various activities with the department of journalism- they have actively participated in producing a newsletter, taken a commendable interview of our previous Governor, **Sri M.K. Narayanan**, and also of the eminent Bengali littérateur, **Sri ShirshenduMukhopadhyay**.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies : Nil

19. Awards/Recognitions received by faculty and students

- **Ayan Mitra**(Student) was awarded
 - Topper at Presidency University, English M.A. Presidency University (2011)
 - 11th in Calcutta University B.A English Honours final exam, Calcutta University (2009)
- **Monidip Chakrabarty**(Student) was awarded
 - 7th in Calcutta University B.A English Honours final exam, Calcutta University (2009)
- **SagnikChakraborty**(Student) was awarded
 - Winner of Inter-departmental Seminar Lecture competition. Vivekananda College (2013)
 - First Prize from the college in an elocution competition organized by Calcutta University, Calcutta University(2014)
- **Swastika Dutta**(student) was awarded

- Winner of Inter-departmental Seminar lecture competition, Vivekananda College (2014)
- **Sraman Roy Singh**(student) was awarded
 - Winner of 3 first prizes in state level NCC competitions, NCC(2015)
- **PoonamChakrabarty**(Student) was awarded
 - Winner of Antakshari competition, Doordarshan Kendra Kolkata(2015)
- **Students of English Dept.** were awarded
 - Winners of inter-departmental Drama competition, Vivekananda College (2015)
- **Soumili Haldar**(student) was awarded
 - Best actress award, drama competition, Vivekananda College (2015)

20. List of eminent academicians and scientists/visitors to the department :

Prof. Ketaki Kushari Dyson	Author and Former Professor, Oxford University.
Prof. Amlan Dasgupta	Professor, Jadavpur University.
Prof. Swapan Chakraborty	Former Director, National Library, Kolkata.

21. Seminars/Conferences/Workshops organized & the source of funding : NA

22. Student profile programme/course wise :

Name of the	Applications	Selected	Enrolled	Pass
-------------	--------------	----------	----------	------

course/programme	received		M	F	% (2015)
BA English Honours	1209	92	23	61	96.30
BA English General	--	61	23	26	--

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
BA English Honours	99	01	--
BA English General	100	Nil	Nil

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : NA

25. Student progression :

Student progression	Against % enrolled
UG to PG	70%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed :	
Campus selection	-
Other than campus	-

recruitment	-
Entrepreneurship/Self-employment	-

- 26. Details of Infrastructural facilities :**
- a) **Seminar Library (No. of Books) :** 225
 - b) **Internet facilities for Staff & Students :** All
 - c) **Class rooms with ICT facility :** One
 - d) **Laboratories :** NA

- 27. Number of students receiving financial assistance from college, university, Government or other agencies :**

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

- 28. Details on student enrichment programmes (special lectures/workshops/ Seminar) with external experts :**

Seminar lectures are arranged by the college where the performance of students is assessed by teachers from other departments. The departmental teachers evaluate their performances for making the final selections.

- 29. Teaching methods adopted to improve student learning :**

- Students are encouraged to engage in discourses with the teachers. They are asked to read out papers on texts included in their syllabus, mid-term tests are conducted, etc. Maps are used while teaching, to elucidate the growth and formation of the English language. To enrich the understanding of texts, sometimes the movie based on it is also shown with the cooperation of the Journalism department.
- The department screens films based on Shakespeare's text every year, with the assistance of Dept. of Mass Com. and Journalism. Students are encouraged to view TV programmes to hone their skills and better their understanding of the various linguistic influences on English. Classes are held where students and

teachers engage in active interaction while watching such TV programmes in classrooms.

- The department recently observed the birth anniversary of eminent Bengali Poet Jibanananda Das, who taught in the department.

30. Participation in Institutional Social Responsibility (ISR) and Extension activities :

The NCC cadets from the department actively take part in the social activities taken up by the organization.

31. SWOC analysis of the department and Future plans :

Strengths :

- Warm bonding between the students and teachers
- The department has a well-equipped departmental library.
- The department has three publications funded by the UGC.

Weakness :

- Shortage of Teaching Staff

Opportunity :

- To inculcate learning among a large number of students coming from vast areas surrounding the college.

Challenges :

- Preparing the students for English honors coming from Bengali medium background,
- To elevate the academic standard of the students coming from economically weak background.

Future plans :

- To increase the number of books in the departmental library.

- To arrange seminars for students' benefit.

Annexure—1

Name	No. of Papers Published in Peer Reviewed Journals		Number of publications listed in International Database		Mono-graphs		Chapters in Books		Books Edited		Books with ISBN/ISSN numbers		Citation Index	Impact Factor
	National	Int'l	No.	Name	No.	Pub	No.	Pub	No.	Pub	No.	Pub		
Sukanya Sanyal							1	Phi New Delhi			ISBN-978-81-203-4536-2			
Anuradha Mukherjee	1						Pg no. 161-171				ISBN-978-81-87891-45-1			

*(For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)

1. **Name of the department** : HISTORY
2. **Year of establishment** : 1950
3. **Names of Programmes/Courses offered(UG,PG)** : UG courses in B.A. History Honours and B.A. History General (University of Calcutta)
4. **Names of Interdisciplinary courses and the departments/units involved** :NA
5. **Annual/semester/choice based credit system(programme wise)** : Annual
6. **Participation of the department in the courses offered by other departments** : Dr. Siddhartha Guha Ray, Associate Professor, takes classes in Human Rights Department
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Distance Education course of M.A. in History of Vidyasagar University.
8. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not Applicable	Not Applicable
	Not Applicable	1(CAS)
Asst.Professors	04	03

9. 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
Dr. Siddhartha Guha Ray	M.A., PhD.	Associate Professor	European History	33
Shampa Chowdhury	M.A., M.Phil.	Assistant Professor	Modern India	15
Aparajita Bhattacharyya	M.A., M.Phil.	Assistant Professor	Economic History	13
Shyamali Sarkar	M.A., M.Phil	Assistant Professor	American History	06

- 10. List of senior visiting faculty** : Nil
- 11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty** : NA
- 12. Student-Teacher Ratio (programme wise)** :
- i. Honours : 30:1
- ii. General : 80:1
- 13. Number of academic support staff (technical) and Non-Teaching staff** :
- i. Technical Staff - NA
- ii. Non-Teaching Staff - NA
- 14. Faculty with ongoing / Completed projects** : Nil
- 15. Research Centre/ facility recognized by the University:** NA
- 16. Publications (Last Four Years)** : See Annexure—I
- 17. Faculty as members in** :
- a) National committees :
- i. Paschim Banga Itihasa Samsad — 3
- ii. Indian History Congress — 1

iii.	Institute of Historical Studies	—	1
iv.	Bangiya Itihasa Samiti	—	1

b) International committees	:	None
c) Editorial Boards	:	2

Dr. Siddhartha Guha Ray is in the Editorial Boards of *Itikatha* and *Inquest*

18. Student projects : None

a) Percentage of students who have done in-house projects including interdepartmental/programme :

B.A. History Honours/General Environmental Studies (Compulsory)
Project – 100%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : Nil

19. Awards/Recognitions received by faculty and students :

- **Dr. Aparajita Bhattacharyya(Chattopadhyay)** was awarded
 - First class first in both B.A. & M.A. Viswa Bharati University (1993 & 1995)
- **Dr. Siddhartha Guha Ray** was awarded
 - Indian Rationalists Award, Indian Humanist Association (1999)
 - Vice President, Association for Protection of Democratic Rights (2008-2015)

20. List of eminent academicians and scientists/visitors to the department:

- **Professor Shekhar Bandopadhyay**, eminent historian and 'Rabindra Purashkar' winner, addressed to the students of History on 'Recent Trends of Historiography' (24 January, 2012).
- **Professor Muntasir Mamun**, Dhaka University.
- **Professor Sabyasachi Basu Roy**, Vice Chancellor, Rabindra Bharati University.

21. Seminars/Conferences/Workshops organized & the source of funding

- a) **National** : Human Rights : A historical perspective (funded by U.G.C. on 2011)
- b) **International** : 28th Annual conference of Paschim banga Itihas Samsad (funded by Paschim banga Itihas Samsad, U.G.C., & Indian Council of Historical Research on 2012)

22. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
B.A. History Honours	322	57	20	31	100
B.A. History General	--	441	190	237	

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
B.A. History Honours	100	Nil	--
B.A. History General	100	Nil	Nil

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA

25. Student progression :

Student progression	Against % enrolled
UG to PG	75%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed : Campus selection Other than campus recruitment	NA
Entrepreneurship/Self- employment	NA

26. Details of Infrastructural facilities

- a) Seminar Library : 150 books
- b) Internet facilities for Staff & Students : All
- c) Class rooms with ICT facility : One
- d) Laboratories : Not Applicable

27. Number of students receiving financial assistance from college, university, Government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

28. Details on student enrichment programmes(special lectures/workshops/seminar) with external experts :

The Department organizes tour to different historical places to stimulate interest in the subject. Furthermore, the Department has arranged some special lectures for the Honours students.

29. **Teaching methods adopted to improve student learning** :
a) Regular class tests are taken by the Departmental faculty members with a view to make systematic evaluation of students.

b) Students of the Department are encouraged to take part in lecture competitions on various topics to enable them to shake off any inertia in public life.

30. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**

Books have been donated by the faculty as well as students of the department for the needy.

31. **SWOC analysis of the department and Future plans** :

Strength :

- Full teaching strength of the Department (as per Govt. Rule).
- Timely completion of syllabus.
- Regular class tests to evaluate the standards of the students.
- Visit to places of Historical Importance.

Weakness :

- Relatively small size of departmental classroom to cope with the increasing number of students.
- Relatively inadequate books in the Departmental Library.

Opportunity :

- The department is benefited by the opportunity to cater to a large number of students coming from a vast feeder zone.
- Excellent students from surrounding rural areas prefer to study in our department.

Challenge :

- To maintain academic standard.
- To prepare the students for job oriented examinations in future.

Future Plans :

- To introduce regular PG Course in History under the affiliation of Calcutta University,
- To encourage the students for engaging them in project works,
- To improve the quality of departmental library.

Annexure—I

Papers Presented By DR. Siddhartha Guha Ray as Resource Person

Name of the Paper	Date of presentation	Organised by/Venue	Sponsoring Agency	National/State /International
<i>Food Movement in Post Independence Bengal</i>	18/01/2012	Savitri Girls' College	UGC	National
<i>Iswar Gupta; The Pioneering Communicators of Pre-independence Bengal</i>	11/01/2013	Vivekananda College	UGC	National
<i>Introduction of Tramways in Calcutta</i>	11/07/2014	Rabindra Bharati University	Vidyasagar Centre For Indological Studies	International
<i>Ambedkar and Indian Politics</i>	27/03/2015	Rabindra Bharati University	UGC	National
<i>Age of Imperialism and the First World War</i>	17/04/2015	PG department of History & English, Malda College	Indian Council of Historical Research	International
<i>B.R. Ambedkar through His Writings</i>	09/10/2015	Rural Development Centre, IIT Khargapur & Inquest(ISSN 2348-6813)	UGC	National

<i>Struggle for Dignity and Human Rights of the Chandals</i>		15/10/2015		Department of Backward Class Welfare, Govt. Of West Bengal		State		
Name of the Faculty	No. Of Papers published in Peer reviewed Journals	No. Of Publications listed in international database		Chapters in Books	Publishers	No. Of Books with ISBN/ISSN numbers & Name of Publishers		Impact Factor
Dr. Siddhartha Guha Ray	4 (<u>Economic & Political Weekly:vol.XL M, No.38 of 22.09.2007;</u> <u>Journal of the Asiatic Society:vol.L,N o.3 of 2008- ISSN 0368-3308;</u> <u>Monthly Bulletin of The Asiatic Society: December 2012;</u> <u>Mainstream:</u>			4 (“ <i>Civil Rights in India: Towards Framing a Contemporary History</i> ” in Subrata Sankar Bagchi ed. Expanding Horizons Of Human Rights “ <i>Pratham Vishwayuddha:Aitih asik Prekkhapat</i> ” in Debabrata Ghosh & Sanat Naskar ed. Pratham Vishwayuddha: Shatabarshe Phire	Atlantic Publishers, New Delhi, 2009. ISBN 978-81-269-1069-4 Deep Prakashan, Kolkata, 2015.	Maldah District Gazeteer A History of Modern India 1707-1964: ISBN 81-86383-36-0 Calcutta Tramwaymen: A Study of Working Class History: ISBN 81-	Subarnarekha 1992 Progressive Publishers 2006 Progressive Publishers 2007	Dr. Guha Ray’s two books Adhunik Purba Asia & Human Rights Democratic Rights and Popular Protest have been recommended by the University of Calcutta as

	<p><u>vol.LII,No.17 of 19.04.2014- &vol .LIII,N0.40 of 26.09.2015 ISSN 0542-1462.</u></p> <p><u>Desh Kal Bhabna . September, 2015, ISSN 2321-0672)</u></p>				<p>Dekha</p> <p><i>“Manabadhikar Andolon:Ekti Sankkhipta Ruparekha in Yasin Khan ed. Manab Adhikarer Nana Dik</i></p> <p><i>“Protest and Politics: Story of Calcutta Tram Workers 1940-47” in Tanika Sarkar & Shekhar Bandopadhyay ed. Calcutta: The Stormy Decades)</i></p>	<p>ISBN 978-93-84561-23-9</p> <p>Progressive Publishers, Kolkata, 2015.</p> <p>ISBN 978-81-8064-205-0</p> <p>Social Science Press, New Delhi, 2015</p> <p>ISBN 978-93-83166-07-7</p>	<p>8064-129-5</p> <p>Human Rights Democratic Rights & Popular Protest: ISBN 81-86383-97-2</p> <p>Modern Europe 1789- 1945: ISBN 978-81-89846-12-1</p> <p>Adhunik Purba Asia: Chin o Japaner Itihas: ISBN 978-81-89846-30-5</p> <p>Manabadhikar O Ganatantrik</p>	<p>Progressive Publishers 2011</p> <p>Pragatishil Prokashak 2010</p> <p>Pragatishil Prokashak 2012</p>	<p>reference books for History Hons. And Political Science Hons. Respectively.</p>
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									<p>Adhikar: Aitihasic Prekshapat: ISBN 978-93-80036-47-2</p> <p>Mitram 2012</p> <p>Adhunik Europe:Fara si Biplab Theke Dwitiya Biswayuddh a: ISBN 978-81-89846-56-5</p> <p>Palestine Samasya: Banchanar Itihas: ISBN 978-81-89846-73-2</p> <p>Pragatishil Prokashak 2013</p>	
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									Pragatishil Prokashak 2015.	
Aparajita Bhattacharya	2(<u>Bodhi Kala: A Journal of Humanities</u> : vol 1, no.2, 2008 & vol 3, no.2, 2014 ISSN 2277-4831)				1(" <i>The Chuar Rebellion of 1799: An Ecological Approach</i> " in Chittabrata Palit & Mahua Sarkar ed. <i>Indian Vistas of Environment</i> 2. " <i>Kashipur-Chitpur: Shaharer modhye shahar</i> " in Mayukh	Kalpaz Publications, New Delhi, 2007 ISBN 81-7855-596-1		<i>Bharater Itihas: Purakal Theke Mughal Samrajyer Pratistha:</i> ISBN 978-81-89846-28-2	Pragatishil Prokashak 2012	Aparajita

1. **Name of the department** : **HUMAN RIGHTS**
2. **Year of establishment** : 2010
3. **Names of Programmes /courses offered (UG,PG, M.Phil,Ph.D.,Integrated Masters; IntegratedPh.D.,etc.)** : UG Course in BA Human Rights General(Calcutta University)
4. **Names of Interdisciplinary Courses and the departments /units involved** : NA
5. **Annual/semester/choice based Credit system (programmewise)** : Annual
6. **Participation of the department In the courses offered byother Departments** : NA
7. **Courses in collaboration with Other universities, industries, Foreign institutions, etc.** : NA
8. **Details of courses/programmes Discontinued (if any) with reasons** : NA
9. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	01	Nil

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
Purbani Roy	M.A	Temporary Faculty	Right to Special Education of Disabled children	2
Sreoshi Sinha	M.A	Temporary Faculty	Rights of LGBT	2

11. List of senior visiting faculty :

Name	Designation	Name of the institution
Justice S. P. Talukdar	• Judge	Calcutta High Court
Shree Sujato Bhadra	• Associate Professor • noted Human Rights Activist	Shibpur Dinoobandhu Institution
Professor Manik Chakroborty	Professor Director	• Dept. of Law, Burdwan University • Academic Staff College, Burdwan University

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty: 98%

13. Student-Teacher Ratio (programmewise) : 80:1

14. Number of academic support staff (technical) and non-teaching staff : NA

- | | | |
|---|---|-----|
| 15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG. | : | P.G |
| 16. Faculty with ongoing/completed projects | : | NA |
| 17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR,etc. and total grants received | : | No |
| 18. Research Centre/facility recognized by the University | : | No |
| 19. Publications | : | |
| • Publication per faculty | : | NIL |
| • Number of papers published In peer reviewed journals (national/international) by faculty and students | : | NIL |
| 20. Areas of consultancy and income generated | : | NA |
| 21. Faculty as members in | : | |
| a) National committees | : | NA |
| b) International Committees | : | NA |
| c) Editorial Boards | : | NA |
| 22. Student projects | | |
| BA Human Rights General Environmental Studies (Compulsory) project – 100% | | |
| 23. Awards/Recognitions received by faculty and students | : | Nil |
| 24. Seminars/Conferences/Workshops organized & the source of funding : | | |
| <p>Since the inception of Human Rights as an Undergraduate general subject, the department has been organizing a seminar each year with eminent civil rights activists and academicians and lawyers, as speakers, to observe the International Human Rights Day on 10th December every year. Last year we had Professor Sujato Bhadra and Professor Manik Chakroborty (Professor, Dept. of Law, Burdwan University) as our guest speakers. The faculty members of all the</p> | | |

departments and the students from all the three years participated in the seminar whole heartedly to observe the Human Rights Day. The college has funded the Seminar.

25. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass
			M	F	%
Human Rights General	--	201	71	127	--

26. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
Human Rights General	100	--	--

27. How many students have cleared national and state competitive examinations such as NET, SLET,GATE,Civil services, Defense services, etc.? NA

28. Student progression : NA

29. Details of Infrastructural facilities

- a) Library
- b) Internet facilities for Staff & Students : All
- c) Class rooms with ICT facility : One
- d) Laboratories : NA

30. Number of students receiving financial assistance from college, university, government or other agencies

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

31. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts :

The department has been observing the International Human Rights day every year, since the year of its inception, in the form of a seminar, where all the students with or without Human Rights as their general subject, are requested to participate along with all the faculty members. They were made aware about a variety of human rights violations they come across in their daily lives. They were told about the various legal protections that they could avail during cases of violation.

32. Teaching methods adopted to improve student learning :

Students are encouraged to engage in discourses with the teachers. They are asked to relate to their everyday realities to Human Rights. Scholars, Human Rights Activists including Legal Experts are invited to benefit the students.

33. Participation in Institutional Social Responsibility (ISR) and Extension activities : No

34. SWOC analysis of the department and Future plans

Strengths :

- Strong bonding between teachers and students
- The magnitude of the subject helps the students to enrich themselves as a good human being and make them respectful to other's rights.

Weakness:

- shortage of teaching staff
- Difficulty in timely completion of syllabus.
- Non-availability of useful text books in the market.

Opportunity :

- As a large number of students come from socially and economically weaker background, there is immense opportunity

to make them conscious about social justice and right to equality.

- Despite being a new subject a large number of students are opting for it.

Challenge :

- To negotiate with the Calcutta University authority to upgrade the subject as Honours course.
- Not to confine Human Rights as an academic subject but to enhance consciousness of the people of the locality and mould the students as eminent rights activists in future.

Future Plan:

- To improve the library
- To encourage the students to take projects under Research Guidance Cell.

- 1. Name of the Department : JOURNALISM & MASS COMMUNICATION**
- 2. Year of Establishment : 2003**
- 3. Names of programs /courses offered (UG,PG) : UG courses in B.A. Journalism & Mass Communication Honours and B.A. Journalism & Mass Communication General (University of Calcutta)**
- 4. Names of Interdisciplinary courses and the departments/units involved : Photo Journalism & videography (Add-on course funded by UGC).**
- 5. Annual/semester/choice based credit system (programmewise) : Annual**
- 6. Participation of the department In the courses offered by other Departments : NA**
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc. : NA**
- 8. Details of courses/programmes discontinued : NA**
- 9. Number of Teaching posts :**

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	Not applicable
Asst. Professors	01	Nil

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
Dipanajana Basu	M.A.	Whole-Time Teacher(Govt. Approved)	N.P. Management & Film	10
Sreyashi Dhar	M.A., MBA,	Part-Time Teacher(Govt. Approved)	N. P. Management ; TV & Radio Media	16
Sumana Saha Das	MA	Whole-Time Teacher(College Appointed)	Editing	02
Nilayan Dutta	MA	Temporary Faculty	Photography	10
Sunit Kr. Chakrabartoy	MA	Temporary Faculty	Radio	10
Arindam Saha	MA	Temporary Faculty	Journalism & Mass Communication	01
Biswajit Das	MA	Temporary Faculty	Film Studies	01
Trisha Ash	MA	Temporary Faculty	Journalism & Mass Communication	01
Indrani Mukherjee	MA	Temporary Faculty	Journalism & Mass Communication	01
Priyanka Naskar	MA	Temporary Faculty	Journalism & Mass Communication	01

11. List of senior visiting faculty :

- ❖ **Mr. Ashim Mitra**, Ex-member, Press Council of India&Film Censor Board
- ❖ **Dr. Subarna Kumar Das**, Jadavpur University
- ❖ **Dr. Sajal Ranjan Maity**, Doordarshan
- ❖ **Dr. Rajib Kar Chowdhury**, Doordarshan
- ❖ **Dr. Manas Pratim Das**, All India Radio
- ❖ **Mr. Sanjay Chattopadhyay**, Special Correspondent, Bartman
- ❖ **Mr. Subir Ghosh**, Indian Institute of Mass Communication , Bharatiya Bidya Bhavan
- ❖ **Dr. Jayanta Choudhuri**, RabindraBharati University
- ❖ **Dr. Amit Chakraborty**, Sociologist
- ❖ **Mr. Jayanta Ghosal**, Editor (Delhi Bureau) Ananda Bazar Partika
- ❖ **Samir Mukherjee**, Principal, Netajinagar Day College.

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty :

	Theory	Practical
Honours	10%	12%
General	10%	15%

- 13. Student-Teacher Ratio (programmewise) :**
- i. **Honours** : 25:1
 - ii. **General** : 30:1

14. Number of academic support staff (technical) and administrative staff :

- i. **Technical Staff** : 01
- ii. **Administrative Staff** : 01

15. Number of faculty with ongoing projects from

- | | | |
|-------------------|---|----|
| i. National | : | NA |
| ii. International | : | 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 :** NA**19. Publications:**

- **Dhar S**, *Towards the Green Journalism*, Science Journalism & Media Communication, UGC & Vivekananda College, ISBN 978-81-909990-7-6(2010)
- **Dhar S**, *The Rural of media in rural development*, A Reader on print Media in India, UGC & Surendranath College(2009)
- **Dhar S**, *Planning NITI- the current dynamics of the Indian Economic*, Adieu Planning Commission, Welcome NITI Aayog, Higher Education Council & Behala College(2015)

20. Areas of consultancy and income generated : NA**21. Faculty as members in** :

- | | | |
|-----------------------------|---|----|
| a) National committees | : | NA |
| b) International Committees | : | NA |
| c) Editorial Boards | : | NA |

22. Student projects**a) Percentage of students who have done in-house projects including inter-departmental/programme:**

- BA Journalism & Mass Communication Honours/General Environmental Studies (Compulsory) project – 100%
- Research Guidance Cell, Vivekananda College sponsored students' project – 25%

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 :

- **Prof Shreyashi Dhar** was awarded
 - First position in French (General Paper in Part – I Exam 1995) in Under graduate level in CU in 1995.
- **Moumita Basu**(Student) was awarded
 - Best Speaker,Department Of Parliamentary Affairs, W.B.(2012)
 - essay competition on Ashutosh Mukherjee organized by Higher Education, Govt. of West Bengal held at Ramkrishna Mission, Narendrapur.
- **Sarnali Chakraborty**(Student) was awarded
 - Best Opposition Leader, Department Of Parliamentary Affairs, W.B.(2012)
- **Rangana Nath**(student) was awarded
 - Best Opposition Leader,Department Of Parliamentary Affairs, W.B.(2012)
- **Smikshi Guha**(student) was awarded
 - Best Opposition Leader,Department Of Parliamentary Affairs, W.B.(2012)
- **Angshuman Das Mahapatra**(student) was awarded
 - Best Marshal, Department Of Parliamentary Affairs, W.B.(2013)
- **Arpita Sardar**(student) was awarded
 - 1st Prize in Block Chhatra Yuba Utsav Rabindra Sangeet, Najrul Geety, Folk & Modern Song.(2014-15)
 - Winner of the League 6 ANTAKSHARI Championship, DOORDARSHAN KENDRA, Kolkata. (2014)
 - 1st Position, “All India Radio, Kolkata” on debate Competition(2014)
 - 1st Prize by Khoboronline.com(2014)
 - Folk Song and Atul, Rajani,Dijendra Geeti and News Reading in Block Level, Vivek Chetna Yuva Utsav, W.B.(2013)
 - 2nd Position in Essay competition by Ramkrishna Mission Residential College (Autonomous), Narendrapur(2013)
 - Won 2nd Prize in Block Chhatra Yuba Utsav, World News Reading & Debate.(2013-14)
 - 1st Prize in Dance by Block Chhatra Yuba Utsav 2006-2008 & 2011.

- **Payel Shaw**(student) was awarded
 - Best Choreographer and Best Dancer from PARIVAR MILAN(NGO) 2013
- **Rahul Sanpui**(student) was awarded
 - Merit certificate for poster making on Disaster Management at State Science Fair organized by YuvaKalyan Department, Govt. of West Bengal representing South 24pgs, 2013
- **PratimRaha**(student) was awarded
 - in the essay competition on AshutoshMekherjee organized by Higher Education, Govt. of West Bengal held at Ramkrishna Mission, Narendrapur, 2014
- **Sudipto Maity**(student) was awarded
 - Outstanding performance in Science Reporting Competition, Prasar Bharati, 2015

24. List of eminent academicians and scientists/visitors to the department :

- ❖ **Dr. Prof. Tapati Basu**, Head, Department of Journalism & Mass Communication, CU(2010-11)
- ❖ **Dr. Chittabrota Palit**, Ex-Professor of History at JU(2010-11)
- ❖ **Smt. Sailabala Mahapatra**, Orissa(2010-11)
- ❖ **Smt. Madhabi Mukherjee**, Actress(2010-11)
- ❖ **Prof. Atish Chattopadhyay**, Associate Professors, JU(2010-11)
- ❖ **Smt. Soma A Chatterjee**, Film Journalist(2010-11)
- ❖ **Mr. Biswajit Mukherjee**, Chief Law Officer, WBPCB(2010-11)
- ❖ **Mr. Satanjib Gupta**, Reporter, Mahua Bangla(2011-12)
- ❖ **Mr. Soudhriti Bhawani**, Reporter, Hindustan Time(2011-12)
- ❖ **Mr. Soumendu Roy**, Eminent Cinematographer(2011-12)
- ❖ **Mr. Aurobindo Bhattacharya**, Eminent Film Editor(2011-12)

- ❖ **Mr. Atanu Pal**, Eminent Still Photographer(2011-12)
- ❖ **Dr. Ram Mondal**, Physician(2012-13)
- ❖ **Prof. Sanjoy Mukherjee**, Associate Professors, JU(2012-13)
- ❖ **Dr. Biplab Louha Chowdhury**, Head, Department of Journalism & Mass Communication, VBU(2012-13)
- ❖ **Mrs. Laura Ungar**, The Courier (USA)(2012-13)
- ❖ **Mr. Sujay Dhar**, Reporter, The Washinton Times(2012-13)
- ❖ **Mr. Tuhinabha Majumder**, FTII, Pune(2012-13)
- ❖ **Dr. Sabyasachi Chatterjee**, Associate Professors, KU(2012-13)
- ❖ **Prof. Soumitra Basu**, Associate Professors, RBU(2013-14)
- ❖ **Dr. Arunima Banerjee**, Associate Professors, JNU(2013-14)
- ❖ **Prof. Subodh Sarker**, Professors, City College(2013-14)
- ❖ **Prof. Agnibha Banerjee**, Professors, RBU(2013-14)
- ❖ **Dr. Ujjawal Jana**, Professors, Pondicheri University(2013-14)
- ❖ **Dr. Shreela Basu**, Associate Professors, VB(2013-14)
- ❖ **Smt. Jahanara Chaudhri**, All India Radio(2013-14)
- ❖ **Sri. Samir Goswami**, Chief PRO, Eastern Railways(2013-14)
- ❖ **Prof. Subrata Roy Chowdhury**, Professors, R.K.MissionVidyamandir(2013-14)
- ❖ **Dr. Basab Chowdhury**, Register, CU(2013-14)
- ❖ **Dr. Shyamal Sarkar**, Secretary, UG Council, CU(2013-14)

- ❖ **Prof. Pobitra Sarkar**, EX-VC, RBU(2013-14)
- ❖ **Dr. Buroshiv Dasgupta**, IMI(2013-14)
- ❖ **Dr. Soma Basu**, NMC, Nepal(2013-14)
- ❖ **Dr. Alokanda Mukherjee**, Associate Professors, JU(2013-14)
- ❖ **Prof. Santanu Banerjee**, Professors, Vidyasagar University(2014-15)
- ❖ **Mr. Abhijit Dasgupta**, Executive Director, Sukriti Production(2014-15)
- ❖ **Mr. Ranthidev Sengupta**, Editor, SaptahikBartaman(2014-15)
- ❖ **Mr. Jayanta Ghosal**, Editor (Delhi Bureau), Ananda Bazar Patrika(2014-15)
- ❖ **Mr. Ritobrata Bhattacharya**, Editor, Ekdin(2014-15)
- ❖ **Ms. Sudipta Chakraborty**, Actor, National Award Winner(2014-15)

25. Seminars/Conferences/Workshops organized & the source of funding

a) National

:

Seminar/ Conferences / Workshop	Programme Title	Year	Funding
Seminar	Development Communication	2010- 2011	UGC
	Newspaper Day	2011- 2012	UGC
	World Book Day	2012- 2013	College
	The Pioneering Communicator's of Pre- independent Bengal	2013- 2014	UGC

Seminar/ Conferences / Workshop	Programme Title	Year	Funding
	International Journalism	2013-2014	College
	Publication of Books	2013-2014	College
	World Book Day	2014-2015	College
Conferences	Bharotio Sambadikatar Itihas	2010-2011	College
	Newspaper Day	2010-2011	College
	150 th Birth Anniversary of Rabindranath Tagore, Acharya Prafulla Chandra Roy & Dr. Nilratan Sarkar	2012-2013	College
	Newspaper day	2012-2013	College
	Communication for Children	2012-2013	College
	Tagore & Communication	2012-2013	UGC
Workshop	Photo Journalism & Videography	2011-2012	College
	Communication through Photography & Video Production	2012-2013	UGC
	Digital Practice in Film Studies	2012-2013	College
	Newspaper Day	2013-2014	UGC

Seminar/ Conferences / Workshop	Programme Title	Year	Funding
	Book Publishing & Media Management	2013-2014	UGC
	International Journalism	2014-2015	College

b) International : NA

26. Student profile programme/coursewise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
Honours	363	58	25	26	96.67
General	--	64	26	34	--

27. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
Honours	95	5	--
General	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : NA

29. Student progression : NA

30. Details of Infrastructural facilities :

a) Library : Central Library contains books relating to Journalism and Mass Communication encompassing the entire syllabus for under graduate course.

b) Internet facilities for Staff & Students : All

c) Class rooms with ICT facility : One

d) Laboratories :

- One Computer Laboratory has provision for computers, nine in number
- Well-equipped studio with an Editing Machine (Apple Mac.) and internet facility.

31. Number of students receiving financial assistance from college, university, government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts :

Eminent personalities and senior visiting faculties regularly visit the department and interacted with students. Seminars and workshops are organized on regular basis.

33. Teaching methods adopted to improve student learning :

The students join the presentations frequently to improve the lecture method. They use the latest equipment (DSLR Camera, Movie Camera, Television, Audio Projecting Machine, Editing Machine etc.) and software to presenting themselves. Our students also engaged in following activities in regular basis :

- project work,
- group discussion,
- audio visual productions,
- live simulation,
- interaction with media industry experts,

- mock reporting and
- production of lab journal etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities : NA

35. SWOC analysis of the department and Future plans

Strength :

- Dedicated teaching and technical staff
- Adequate number of equipment
- Well organized studio
- Interaction with eminent personalities in the field of Journalism on a regular basis.

Weakness :

- Shortage of regular full time teaching and technical staff
- Inadequate laboratory space
- Considerable number of students are coming from weaker socio-economic background.

Opportunities :

- Huge demand for the subject

Challenges :

- Preparing the students for the job market.
- To create research potential among the students.

Future Plan :

- To establish a separate departmental library for students.
- To increase the full time faculty and supporting staff.
- Increasing space for laboratory.
- Giving access to better equipment to students.

1. **Name of the department** : **PHILOSOPHY**
2. **Year of Establishment** : 1950 (General) & 1978 (Honours)
3. **Names of programmes/courses Offered (UG,PG)** : UG courses in B.A. Philosophy Honours and B.A. Philosophy General (University of Calcutta)
4. **Names of Inter disciplinary courses and the departments /units involved** : NIL
5. **Annual/semester/choice based credit system (programmewise)** : Annual
6. **Participation of the department in the courses offered by other departments** : Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc** : Nil
8. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	---
Asst. Professors	04	02

9. 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
Dr. Tripti Dhar	M.A., M.PHIL. & PH.D	Assistant Professor	Philosophy of Language (Indian & Western) and Logic (Indian & Western)	7
Tushi Mistry	M.A., B.ED & M.PHIL.	Assistant Professor	Nyaya	2
Prativa Pan	M.A	Part-Time Teacher (Govt . approved)	Nyaya	4
Sujata Das	M.A.	Temporary Faculty	Logic	01
Torsa Chakrabarty	MA	Temporary Faculty	Nyaya	01
Faruk Abdulla	MA	Temporary Faculty	Comparative Religion	01
Pubali Chottopadhyay	MA	Temporary Faculty	Social & Political Philosophy	01

10. List of senior visiting faculty :NA

11. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty :

	Theory	Practical
Honours	10%	Not Applicable
General	25%	Not Applicable

12. Student-teacher Ratio (programmewise) :

- i) Honours : 30:1
ii) General : 80:1

13. Number of academic support staff (technical) and non-teaching staff : NA**14. Faculty with ongoing/completed projects :**

Name	No. of Projects	Ongoing/ Completed	Year	Name of the Funding Agency	Whether Agency is National or International	Grants Received (inRs.)
Dr. Tripti Dhar	1	Completed	2012	UGC	National	Rs. 71,000
Dr. Tripti Dhar	1	Completed	2007	Inter-University Consortium, IGNOU	National	Rs. 30,000

15. Research centre/facility recognized by the university : Nil**16. Publications : See Annexure—1****List of papers published in books:**

- **Dhar. T**, (Jan., 2013) *Autonomy of Language: An East-West Perspective*, In : *LAP Lambert Academic Publishing Germany*, ISBN : 978-3-659-33121-3
- **Dhar. T**, (May, 2014) *An Analysis of Human Language- A Comparative*

Study, In : Mitram, 37A, College Street, Kolkata, ISBN: 978-93-80036-61-8

- **Dhar. T**(August, 2014), *Open and Distance Learning Education- A Comparative Study, In : Pragatishil Prokashak, 37A, College Street, Kolkata-73, ISBN: 978-81-89846-59-6*
- **Dhar. T**(January 2013), *Wittgenstein's concept of Autonomy of Language, In : International Journal of Multidisciplinary Educational Research, Volume 2, Issue 1, pp 281-pp 286, ISSN: 2277-7881*
- **Dhar. T**(November 2009), *Importance of grammar with Special reference to Bhartrhari & Chomsky, In : Journal on Indology & Sanskrit, Volume IV, pp 04-24, ISSN: 2319-9415*
- **Dhar. T**(June 2014), *Approaching the Reality from the perspective of Sankhya Philosophy & Modern Science, In: Wesleyan Journal of Research, Vol.7, PP 84-86, ISSN: 0975-1386*
- **Dhar. T**(September 2013), *Swami Vivekananda And Neo Monistic Idealism, In: Prakshpane Swami Vivekananda: Sardho Satabarsha Pare, Post Seminar Publication, PP 30-32, ISBN 978-81-925784-1-5*
- **Dhar. T**(March 2014), *The Humanistic Philosophy of Swami Vivekananda and Acharya Brajendra Nath Seal: A Review, In: Yuganayak Swami Vivekananda, the Educationist par excellence - A great Luminary of Modern Times, Proceedings of Seminar, PP 32-34, ISBN : 978-81-925536-1-0*
- **Dhar. T**(September, 2014), *Dialectics of Semantics and Syntax: A Paninian Intervention, In: A Journal on Indology and Sanskrit of the department of Sanskrit, Vol. VIII, September 2014, ISSN 2319-9415*
- **Dhar. T**(2014), *The Rebellious Saint: Swami Vivekananda and Practical Spirituality, In: Vivekananda's Philosophy of Nationallism- a review in the 21st Century, ISBN No. 978-81-923765-4-7*
- **Pan. P**, *Anirbachanio khatir aloke bram gyaner bisayer swarup, Error In Epistemic And Pragmatic Sphere, ISBN--978-9381493-16-8*
- **Pan, P**, *Bouddhoder khanikbader aloke porom satya ba tattver abasthan, Dimensions Of Truth, ISBN - 978 - 93 - 82549 - 26 - 0*

17. No. of faculty as members in	:	
a) National committees	:	One
b) International Committees	:	NA
c) Editorial Boards	:	NA

18. Student projects :**a) Percentage of students who have done in-house projects including inter-departmental/programme :**

- BA Philosophy Honours/General Environmental Studies (Compulsory) project – 100%
- Research Guidance Cell, Vivekananda College sponsored students' project – 2%

19. Awards/Recognitions received by faculty and students :

- **Madhurima Dutta** (3rdYr Student) was awarded
 - Third Position in Interdepartmental Lecture Competition (Arts), Vivekananda College(2014)

20. List of eminent academicians and scientists/visitors to the department :

- ❖ **Professor Gangadhar Kar**, Head, Jadavpur University
- ❖ **Professor Raghunath Ghosh**, Former Professor North Bengal University
- ❖ **Professor Piyali Palit**, Jadavpur University
- ❖ **Professor Dikshit Gupta**, Calcutta University
- ❖ **Professor Shefali Moitra**, Jadavpur University
- ❖ **Prof. Proyas Sarkar**, Jadavpur University
- ❖ **Professor Soumitra Basu**, Jadavpur University
- ❖ **Professor Sadhan Chakraborty**, Vice Chancellor, Kazi Najrul University
- ❖ **Professor Indrani Sanyal**, Jadavpur University
- ❖ **Professor Prabal Kr. Sen**, University of Calcutta

21. Seminars/Conferences/Workshops organized & the source of funding :

- a) National : Nil
b) International : Nil

22. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
Philosophy (Honours)	275	65	19	40	100
Philosophy (General)	--	496	198	191	--

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
Philosophy (Honours)	100	--	--
BA Philosophy General	100	--	--

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA

25. Student progression : NA

26. Details of Infrastructural facilities

- a) Seminar Library (No. of Books) : 350 approx
b) Internet facilities for Staff & Students : All

c) **Class rooms with ICT facility** : One

d) **Laboratories** : NA

27. Number of students receiving financial assistance from college, university, Government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal

28. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts :

- ICPR sponsored Periodical lecture has been organized in the philosophy department (2014-15)

29. Teaching methods adopted to improve student learning :

Yes, beside traditional chalk duster method faculty members use variety of methods like small group discussion, seminar presentations, lecture competition by the students, conducting class test etc. after discussion of every unit or topic. Students are the great source of feedback on the teaching and learning that takes place in our classrooms on a day-to-day basis. At the end of the session evaluations and overall responses to the classes are made to see what type of input comes to us to assess for the next session. Teachers of the department also use some electronic media during the classes like audio-visual talk, Power point presentation etc.

30. Participation in Institutional Social Responsibility (ISR) and Extension activities : No

31. SWOC analysis of the department and future plans :

Strength :

- Timely completion of syllabus.
- The Department has some resourceful, dedicated faculty staff (Full time, Part time and Guest Faculty) who are serious and truthful in their duties.
- The number of publications by the faculty members in the last four years has been commendable.
- This department has its own departmental library with more than 350 books and Journals.

Weakness :

- A considerable number of students are coming from socially and economically weaker section
- Shortage in English version quality text books

Opportunity :

- To inculcate learning among a large number of students coming from vast areas surrounding the college.

Challenges :

- Preparing the students for higher studies,
- To elevate the academic standard of the students coming from economically weak background.

Future Plans :

- More students to be motivated to participate in the research project under Research Guidance Cell
- Using more ICT in teaching.

Annexure I

Name	No. of Papers Published in Peer Reviewed Journals		Number of publications listed in International Database		Mono-graphs		Chapters in Books		Books Edited		Books with ISBN/ISS Nnumbers		Citation Index	Impact Factor
	National	Int'l	No.	Name	No.	Pub	No.	Pub	No.	Pub	No.	Pub		
Dr. Tripti Dhar	5	1					1	National			3 books with ISBN NO.	1.International 2.National		
Prativa Pan							2	National						

*(For Eg:Web ofScience,Scopus,HumanitiesInternationalComplete,Dare Database-InternationalSocialSciences Directory,EBSCOhost,etc.)

- 1. Name of the department** : **POLITICAL SCIENCE**
- 2. Year of Establishment** : 1956.
- 3. Names of programmes /courses offered (UG,PG)** : UG Course in BA Political Science (Honours) and BA Political Science (General) (University of Calcutta)
- 4. Names of Interdisciplinary courses and the departments /units involved** : Nil
- 5. Annual/semester/choice based credit system (programmewise)** : Annual
- 6. Participation of the department in the courses offered by other departments** : NA
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.** : NA
- 8. Details of courses/programmes Discontinued** : N.A.
- 9. Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	01 (CAS)
Asst. Professors	04	02

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
Sumita Chakraborty	M.A., M.Phil.	Associate Professor	International Relations & Organisation	28
Baisakhi Chatterjee	M. A.	Assistant Professor	Local Government & Politics	14
Anindita Ganguly	M.A.	Assistant Professor	South Asian Foreign Policy	09
Avipsa Sarkar	M.A.	Temporary Teacher	Public Administration	02
Didhiti Dutta	M.A.	Temporary Teacher	Social Theory and Practice	01

11. List of senior visiting faculty :

Name	Designation	Name of the college
Dr. Partha Pratim Sen	Former Associate Professor	Vidyanagar College

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty : 12 %.

13. Student-Teacher Ratio (programmewise) :

- i. Honours : 40:1
ii. General : 85:1

14. Number of academic support staff (technical) and administrative staff : NA

- 15. Number of faculty with ongoing projects from**
- | | | |
|-------------------|---|----|
| i. National | : | NA |
| ii. International | : | NA |
- 16. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received** : Nil.
- 17. Research Centre/facility recognized by the University:** NA
- 18. Publications** : Nil
- 19. Areas of consultancy and income generated** : NA
- 20. Faculty as members in** : Nil
- | | | |
|-----------------------------|---|----|
| a) National committees | : | NA |
| b) International Committees | : | NA |
| c) Editorial Boards | : | NA |
- 21. Student projects** :
- a) Percentage of students who have done in-house projects including inter-departmental/programme** :
- B.A. Political Science Honours/General Environmental Studies (Compulsory) Project – 100 %.
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories /Industry /other agencies** : Nil
- 22. Awards/Recognitions received by faculty and students:** Nil.
- 23. List of eminent academicians and scientists/visitors to the department** : Nil
- 24. Seminars/Conferences/Workshops organized & the source of funding** : Nil
- | | | |
|------------------|---|----|
| a) National | : | NA |
| b) International | : | NA |

25. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
Honours	704	90	65	19	100
General	--	446	190	235	--

26. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
Honours	100	Nil	Nil
General	100	Nil	Nil

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA**28. Student progression :**

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed : Campus selection	-

Other than campus recruitment	- -
Entrepreneurship/Self-employment	-

- 29. Details of Infrastructural facilities :**
- a) Library :** Departmental Library
with sufficient textbooks.
- b) Internet facilities for Staff & Students :** All.
- c) Class rooms with ICT facility :** One
- d) Laboratories :** NA
- 30. Number of students receiving financial assistance from college, university, government or other agencies :**
- All eligible students belonging to SC/ST/OBC and Minority community receive scholarships from government of West Bengal.
- 31. Details on student enrichment programmes (special lectures/ workshops/ Seminar) with external experts :**
Organized a seminar on Cold War.
- 32. Teaching methods adopted to improve student learning :**
- Organized debate competition among the students on political issues.
 - Annual visit to Bidhan Sabha.
- 33. Participation in Institutional Social Responsibility (ISR) and Extension activities :**
- The students of the department volunteers in NSS/NCC activities.
- 34. SWOC analysis of the department and Future plans :**
- Strengths :**
- Strong teacher-student bonding.
 - Completion of syllabus in specified time.

Weakness :

- Shortage of permanent teaching staff.
- Most of the students come from socially and economically backward families.

Opportunities :

- The department gets the opportunity to teach a large number of students coming from local areas.
- The department has the opportunity to make improvement of the socially and economically backward students.

Challenges :

- To improve academic standard.
- To prepare the students for higher studies in future.

Future Plan :

- To encourage the students for engaging them in project works.
- More involvement of the students in group discussion.
- To improve the quality of departmental library.

1. **Name of the department** : **SANSKRIT**
2. **Year of Establishment** : 1950
3. **Names of programmes /courses offered(UG,PG)** : UG Course in BA Sanskrit (Honours) and BA Sanskrit (General) (University of Calcutta)
4. **Names of Interdisciplinary courses and the departments /units involved** : NA
5. **Annual/semester/choice based credit system (programmewise)** : Annual
6. **Participation of the department In the courses offered by other Departments** : NA
7. **Courses in collaboration with Other universities, industries, Foreign institutions, etc.** : NA
8. **Details of courses/programmes discontinued** : NA
9. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate Professors	Not applicable	01 (CAS)
Asst. Professors	04	--

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
Sutapa Bhattacharya	M.A., PhD	Associate Professor	Vedanta	29*
Baisali Das	M. A., B. Ed	Part Time Teacher (Govt. Appointed)	Smriti	09
Rakhi Nandi	M.A.	Whole Time Teacher (College Appointed)	Kāvya	02
Lakshmi Saha	M.A.	Temporary Teacher	Veda	01

*Including 05 years in Bagnan College

- 11. List of senior visiting faculty :** Nil
- 12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty :** 5 %.
- 13. Student-Teacher Ratio (programmewise) :**
- v) BA Sanskrit Honours – : 40:1
- vi) BA Sanskrit General – : 35:1
- 14. Number of academic support staff (technical) :** NA
- 15. Faculty with ongoing projects :** NA
- 16. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received :** Nil
- 17. Research Centre/facility recognized by the University :** NA

18. Publications :

- **Bhattacharya S**, Ghosal K, Kapoor M and Das A, (ed.): *BhatrighariRochito 'Nitishatakam* in: Ami Apni O Nitir Swalpokatha, Kolkata, 2015 (ISBN-978-93-82623-25-0).
- **Bhattacharya S**, *AdharaMadhuri*, Bangiya Jatiyo Siksha Parishat, Kolkata, 2012.

19. Areas of consultancy and income generated : NA**20. Faculty as members in :**

- a) **National committees** : 01
 b) **International Committees** : NA
 c) **Editorial Boards** : NA

21. Student projects :**a) Percentage of students who have done in-house projects including inter-departmental/programme :**

B.A. Sanskrit Honours/General Environmental Studies
 (Compulsory) Project – 100 %.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies : Nil**22. Awards/Recognitions received by faculty and students: NA****23. List of eminent academicians and scientists/visitors to the department :**

Prof. Nandita Banerjee	Professor, Jadavpur University
Prof.Sanghamitra Dasgupta, Prof Didhiti Biswas	Professor, University of Calcutta.

24. Seminars/Conferences/Workshops organized & the source of funding :

- a) **National** : Nil
 b) **International** : Nil

24. Student profile programme/course wise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
Honours	264	65	14	51	100
General	--	51	15	30	--

25. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
Honours	100	Nil	Nil
General	100	Nil	Nil

26. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA**27. Student progression :**

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-

Employed :	
Campus selection	-
Other than campus recruitment	-
	-
Entrepreneurship/Self-employment	-

28. Details of Infrastructural facilities :

- a) Library** : Departmental Library with 250 textbooks.
- b) Internet facilities for Staff & Students** : All
- c) Class rooms with ICT facility** : One
- d) Laboratories** : NA

29. Number of students receiving financial assistance from college, university, government or other agencies :

All eligible students belonging to SC/ST/OBC and Minority community receive scholarships from government of West Bengal.

30. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: NA

31. Teaching methods adopted to improve student learning :NA

32. Participation in Institutional Social Responsibility (ISR) and Extension activities : NA

33. SWOC analysis of the department and Future plans :

Strength

- Cordial teacher-student relationship.
- Regular class tests to evaluate the standards of the students.
- Increasing interest of the students in the subject.

Weakness

- Acute shortage of permanent teaching staff.
- Most of the students come from socially and economically backward families.

Opportunities

- The department gets the opportunity to teach a large number of students coming from adjacent areas.
- Instilling interest among the students in a classical language.
- Bright students take admission in the department.

Challenges

- To maintain academic standard.
- Timely completion of syllabus in spite of acute shortage of teaching staff.
- To prepare the students for higher studies in future.

Future Plan

- To encourage the students for engaging them in project works,
- To improve the quality of departmental library.

- 1. Name of the department** : **WOMEN STUDIES**
- 2. Year of Establishment** : 2010
- 3. Names of Programmes /Courses offered (UG,PG)** : UG Course In Women's Studies General (University of Calcutta)
- 4. Names of Interdisciplinary Courses and the departments /units involved** : NA
- 5. Annual/semester/choice based Credit system (programmewise)** : Annual
- 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. Number of Teaching posts** :

	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	01	Nil

9. 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
Ms. Moupia Mukherjee	M.A., M.Phil . (Submitted Doctoral thesis in September 2014.)	Part-Time Teacher (College Appointed)	Gender role and representation in text books, literature and media, Ecofeminism in children's literature	4

10. List of senior visiting faculty : NA

11. Percentage of lectures delivered and practical classes handled (programmewise) By temporary faculty : NA

12. Student-Teacher Ratio (programmewise) : 35:1

13. Number of academic support staff (technical) and Non-Teaching staff :

I. Technical Staff	-	NA
II. Non-Teaching Staff	-	NA

14. Faculty with ongoing/completed projects : NA

15. Research Centre/facility recognized by the University :NA

16. Publications (Last Four Years) :

Publications in articles

- **Mukherjee M**, *Chike aar nodi ebong 'banshi'*- Chinua Acheber chhotoder lekha ichhoto-baro somporoko: ekti nari nisorgo niti badipaath' in the Journal Bodhi Kala, 2015 (ISSN number -2771483)

- **Mukherjee M** ,*Duti Chhoto chhele, Duti Chhoto Meye, Duti Obhijaan, Bano Patha Aar Lingo Boishomyo: 'Naku-Gama' o 'Moyna-Shalikh'- ekti songkhipto tulona mulok path'* - A part of Doctoral research published in the book 'sahityo bichare poribesh kendrik drishtibhongi' ed. by Dola Debnath from Grantha mitra publication, 2013 (ISBN number 81-8817-193-X)
- **Mukherjee M** ,*"Titas Ekti Nodir Naam" uponyashe nodi, nimnobargo o nari'* in the Journal Bodhi Kala, 2012 (ISSN number -2771483)
- **Mukherjee M** , *"Meyeder Poshak Niye Eto Bitarko Kyano" And "Ashalinatar Dai Kyano dudhu Meyerai Boibe?"* - Two consecutive parts on the women's dress code debate published in the Bengali daily newspaper 'Ekdin' on January 4 and 5, 2012 respectively.
- **Mukherjee M** , *"Narir Songe Purushero Shapath Neoyar Ekti Din"* – article on International Women's Day Celebration published in the Bengali daily newspaper 'Ekdin' on 8th March, 2012
- **Mukherjee M** , *"Soty Aar Swapner Lukochuri"* on Lila Majumdar and her work [Bangla], Ichhamoti (e-magazine for children) published on line, Sept-Oct 2008 [<http://ichchhamoti.org/>]
- **Mukherjee M** , *"Prosongo Poribesh: ekti Padok, Ekti Hotya"* [Bangla], Abobhash, Partha Chakrabarty, Forthcoming
- **Mukherjee M** , *"Saporibare Upobhogyo:' Adorsho Bharotiy Nari'* [Bangla] Dwandik, 3rd issue, 2000
- **Mukherjee M** , *"Subarnolata '-Hemonter Pakhi':Kaler Badol?"* [Bangla] Dwandik, 2nd issue, 2000

Reports

- **Mukherjee M**, Contributed in the published report 'Textbook Regimes' a feminist critique of nation and Identity'
- **Mukherjee M** , "Prothom M. Phil. samabarton" [on Convocation of pioneering M.Phil batch in Women's Studies] [bangla], Newsletter, SWS, JU, Vol.14, Oct, 2003

Book Review

- **Mukherjee M**, Review of "Gyanadanandini Devi Rachana Sankalan"

from a feminist perspective in the Bengali daily newspaper 'Ekdin'

- **Mukherjee M**, "Shatobarsher Kriti Bangonari" [bangla], Newsletter, SWS, JU Vol. 10, June 2001

Translation (Moupia Mukherjee)

- Translation of an article from English to Bangla published in the book 'Sachetana Ekhono', ed. Sarmistha Duttagupta and Jashodhara Bagchi from Thema Pub.
- Translations from Vanda Shiva's work [Bangla], Abobhash, Partha Chakrabarty, Forthcoming
- Lep" [Bangla from "Lehaf" by IsmatChughtai], Dwandik, 3rd issue, 2000
- "Maal khete Khete" [Bangla from "In the Cutting of a Drink" by Ama Ata Aidoo], Dwandik, 1st issue, 1999

Creative Writing (by Moupia Mukherjee)

- Story 'Just Chat' secured first position in the Story Writing Competition organized by the School of Women's Studies, Jadavpur University to celebrate the occasion of International Women's Day, 2008 [Bangla] Newsletter, SWS, JU, Vol .22.December 2008

17. No. of Faculty as members in

a) National committee : NA

b) International Committee : NA

c) **Editorial Boards:** Edited and published 3 issues of a Bangla Little Magazine 'Dwandik' based on women's problem & their status in society.

18. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :

BA Women's Studies General Environmental Studies
(Compulsory) project
100%

b) **Percentage of students placed for projects in organizations outside the institution** : NA

19. Awards/Recognitions received by faculty and students :

- **Ms. Moupia Mukherjee**
 - Professof Daleep Singh Fellowshil in memory of Professor. B. N. Ganguly, Jadavpur University, 2007-08
 - Secured the first position for the Bangla short story "Just Chat!" in the Story Writing Competition, School of Women's Studies, Jadavpur University on IWD, 2008
 - World Premiere CPH:DOX Copenhagen, Denmark (In Competition), CPH:DOXCopenhagen, Denmark(International), 2012
 - RAINBOW' 6th Kolkata LGBT Film Festival, Sappho for Equality & PGT(National), 2012
 - Yamagata International Documentary Film Festival (New Asian Currents), YIDFF, Tokyo(International), 2013
 - DocPoint Helsinki ,Finland (Official Selection), DocPoint Helsinki, Finland(International), 2013
 - Documentarist , Istanbul, (Official Selection), Documentarist , Istanbul, Turkey(International), 2013
 - Astra Film Festival, Romania (International Competition), Astra Film Festival, Romania (International), 2013
 - MiradasDoc, Spain (Official Competition for First Film), MiradasDoc, Spain(International), 2013
 - Out On Screen' Vancouver Queer Film Festival,Vancouver

Queer Film Festival(International), 2013

- International Documentary & Short Film Festival, Kerala, Kerala State Chalachitra Academy(International), 2013
- Kashish' Mumbai International Queer Film Festival , MIQFF(International), 2013
- Bangalore Queer Film Festival, Bangalore Queer Film Festival(National), 2014
- Seattle South Asian Film Festival, Seattle South Asian Film Festival (International), 2014
- Dui DhuranirGolpo' / 'In-between Days' (Co-produced) won - Best Documentary Award, (the 'Golden Royal Bengal Tiger'), 20th KIFF(International), 2014

20. List of eminent academicians and scientists/visitors to the department : NA

21. Seminars/Conferences/Workshops organized & the source of funding : NA

22. Student profile programme/coursewise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
Honours	--	--	--	--	--
General	-	32	0	23	

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
Honours	--	--	--
General	100	--	--

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA

25. Student progression : NA

26. Details of Infrastructural facilities

a) Seminar Library (No. of Books) : NA

b) Internet facilities for Staff & Students : All

c) Class rooms with ICT facility : One

d) Laboratories : NA

27. Number of students receiving financial assistance from college, university, Government or other agencies :

All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.

28. Details on student enrichment programmes (special lectures/ workshops/ Seminar) with external experts :

- Celebrated International Day For the Elimination of Violence against Women through poster making and poster exhibition on 25th November, 2014
- Celebrated International Women's Day (March 8) through poster making and exhibition by the students, on 8th March 2014.

29. Teaching methods adopted to improve student learning :

Students are encouraged to engage in discourses with the teachers. They are asked to relate to their everyday realities to Women's Studies and analyse. Films and audio-visual clippings based on women's issues are shown to make the class more interesting and to make them understand the theory at ease. Television serials, advertisements and films are also analysed by them that make the class debatable and enjoying. Class tests are conducted regularly.

30. Participation in Institutional Social Responsibility (ISR) and Extension activities : NO

31. SWOC analysis of the department and Future plans :

Strength

- Strong bonding between teachers and students
- The magnitude of the subject helps the students to enrich as a human being and to respect their male/female counterparts.

Weakness

- shortage of teaching staff
- Difficulty in timely completion of syllabus.
- Non-availability of quality text books in the market.

Opportunities

- As the students of the department are largely female the department has an ample opportunity to play a vital role in the process of Women Empowerment.

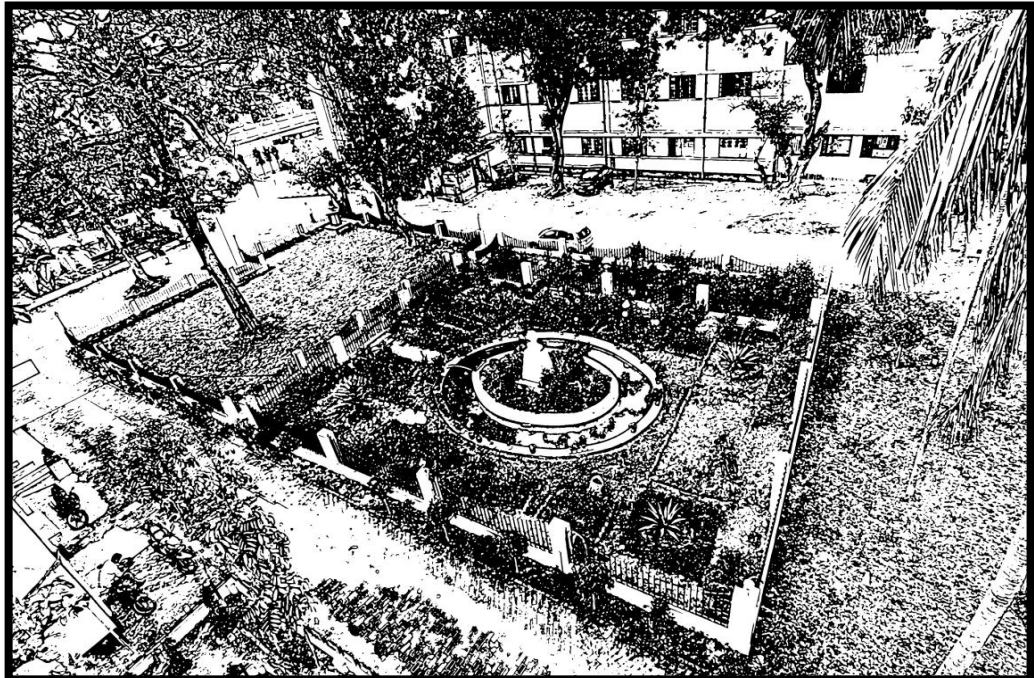
Challenges

- To motivate student to study a new subject which is hardly heard of.
- To negotiate with the Calcutta University authority to upgrade the subject as Honours course.
- Not to confine Women's Studies as an academic subject but to enhance consciousness of the people of the locality and motivate the students to become eminent gender rights activists in future.

Future Plan

- To improve the library
- To encourage the students to take projects under Research Guidance Cell.

EVALUATIVE REPORTS OF THE FACULTY OF COMMERCE



Faculty of Commerce

1. **Name of the department** : **COMMERCE**
2. **Year of Establishment** : 1969
3. **Names of programmes /courses offered (UG,PG)** : UG courses in B.Com. Finance & Accounting Honours and B.Com General (University of Calcutta)
4. **Names of Interdisciplinary courses and the departments /units involved** : NA
5. **Annual/semester/choice based credit system (programme wise)** : Annual
6. **Participation of the department in the courses offered by other departments** : Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Distance Education course of M.Com. of Vidyasagar University.
8. **Number of Teaching posts** :

	Sanctioned	Filled
Professors	Not applicable	Not applicable
Associate	Not applicable	01 (CAS)

Professors		
Asst. Professors	04	02

9. 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
Dr. Manindranath Pandit	M.Com, LL.B, M.Phil, Ph.D	Associate Professor	Advanced Accountancy	28
Dr. Debashis Kundu	M.Com, Ph.D	Assistant Professor	Business Finance	12
Dr. Sarbapriya Ray	M.Com, MBA (Finance), M.Phil, Ph.D	Assistant Professor	Taxation and Finance	15
Jayanta Majumder	M.Com, B Ed.	Part-time Teacher (Govt. Approved)	Accountancy	13
Pinaki Ghosh	M. Com, B Ed.	Part-time Teacher (Govt. Approved)	Accountancy	13
Bishwajit Paul	M. Com, B Ed.	Whole-time Teacher (College Appointed)	Accountancy	7

10. List of senior visiting faculty : NIL

11. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty : 15%

12. Student-Teacher Ratio (programmewise) :

i. Honours : 150:1
ii. General : 90:1

13. Number of academic support staff (technical) and Non-Teaching staff :

- i. Technical Staff : Nil
 ii. Non-Teaching Staff : Nil

14. Faculty with ongoing / Completed projects:

Name	No. of Projects	Ongoing/ Completed	Year	Name of the Funding Agency	Whether Agency is National or International	Grants Received (inRs.)
Dr. Manindra Nath Pandit	One	Completed	2008	UGC	National	1,00,000/-
Dr. Debashis Kundu	One	Completed	2013	UGC	National	47,500/-
Dr. Sarbapriya Ray	Two	Completed	2011, 2015	UGC	National	1,31,000/- 1,70,000/-

**15. Research Centre/facility recognized by the University :
NA**

16. Publications : See Annexure—1

17. No. of Faculty as members in :

- a) National committees : N.A.
 b) International Committees : N.A.
 c) Editorial Boards : 02

18. Student projects :

a) Percentage of students who have done in-house projects including inter-departmental/programme :

B.Com Honours/General Environmental Studies (Compulsory) project – 100%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies : Nil

19. Awards/Recognitions received by faculty and students :NA

20. List of eminent academicians and scientists/visitors to the department :

Dr. Ashis Sana	Professor and Director of Calcutta Stock Exchange Centre of Excellence, Department of Commerce University of Calcutta
Dr. Tapas Kumar Das	Assistant Director Institute of Company Secretaries of India Limited
Bhaskar Kumar Das	Assistant Manager EILM, Kolkata
Avik Shankar Gupta	Assistant Manager National Stock Exchange of India Limited
Bhusan Thakur	Centre Director Institute of Computer Accountants
B. Pratik	Business Executive NSHM
Dr. Asish Samanta	Department of Commerce, Calcutta University

21. Seminars/Conferences/Workshops organized & the source of funding : NA

22. Student profile programme / coursewise :

Name of the course/programme	Applications received	Selected	Enrolled		Pass % (2015)
			M	F	
Honours	2157	497	360	121	56.3
General	--	209	167	30	--

23. Diversity of Students :

Name of the Course	% of students from the same state	% of students from other states	% of students From abroad
Honours	98	02	--
General	100	Nil	Nil

24. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc. ? NA**25. Student progression :**

Student progression	Against % enrolled
UG to PG	80%
Employed :	
Campus selection	-
Other than campus recruitment	-
Entrepreneurship/Self-employment	-

- 26. Details of Infrastructural facilities :**
- a) Seminar Library (No. of Books) : NA
 - b) Internet facilities for Staff & Students : All
 - c) Class rooms with ICT facility : One
 - d) Laboratories : NA
- 27. Number of students receiving financial assistance from college, university, Government or other agencies :**
- All eligible students belonging to SC/ST/OBC & Minority Community receive scholarships from Govt. of West Bengal.
- 28. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts :**
- Financial Skills Development programme by NSHM-Udaan Skills Academy
 - A Career-oriented Seminar on Job placements organised by ICA, Behala Branch
 - Career Advancement Programme by ICFAI
 - Seminar-cum-Contest programme of Stock Market Trading organised at our college by ICICI Direct.
 - Visit to National Stock Exchange, Kolkata Office.
- 29. Teaching methods adopted to improve student learning :**
- Guidance on project work through Email.
- 30. Participation in Institutional Social Responsibility (ISR) and Extension activities :**
- NSS programme under University of Calcutta
- 31. SWOC analysis of the department and Future plans :**

Strengths :

- Cordial teacher-student relations
- Prevalence of an academic ambience in the College
- Good quality of students coming from the locality
- All-round support given to students by the Department

Weaknesses :

- Shortage of full-time teachers
- Shortage of technical support staff

Opportunities :

- The only reputed college in the entire South 24 Parganas district
- Huge demand of Admission in Commerce section from students nearby
- Placement of students in reputed organizations through campus placements

Challenges :

- Timely completion of syllabus in spite of increasing academic engagement of teachers by the university.
- Instead of shortage of technical staff, guiding the students for Information Technology part of the syllabus.

Future plans :

- Opening of regular M. Com course under University of Calcutta
- Introducing short-term job-oriented courses in collaboration with reputed institutions.

Annexure—I

Name	No. of Papers Published in Peer Reviewed Journals		Number of publications listed in International Database		Mono-graphs		Chapters in Books		Books Edited		Books with ISBN/ISSN numbers		Citation Index	Impact Factor
	National	Int'l	No.	Name	No.	Pub	No.	Pub	No.	Pub	No.	Pub		
Dr. Manindranath Pandit	03 (Bodhi Artham)													
Dr. Debashis Kundu	14 (Chartered Accountant, Chartered Secretary, Bodhi Artham, Indian Journal of Accounting etc.)	01 (Sasin Journal of Management)					03	Calcutta University (2), Deshbandhu College for Girls			01	Lakshmi Prakasani		
Dr. Sarbapriya Ray	12	129 (Mostly in USA, UK, Romania, Korea, Poland, Greece, Switzerland, Canada, Turkey,					05	1 from Concept Publishing Company (p) Ltd, New Delhi, 2 from			05	(3 in Germany, LAP LAMB ERT, 2		

Name	No. of Papers Published in Peer Reviewed Journals		Number of publications listed in International Database		Mono-graphs		Chapters in Books		Books Edited		Books with ISBN/ISSN numbers		Citation Index	Impact Factor
	National	Int'l	No.	Name	No.	Pub	No.	Pub	No.	Pub	No.	Pub		
		Nigeria, South Africa, Nepal, Pakistan, Bangladesh etc)						CU, 1 from city college, 1 FROM Hooghly Mahasin college.				in USA, LULU)		
Biswajit Paul	05 (Cost Accountants, Suprayaga etc.)	01 (Pezzottaite Journals)					03	Calcutta University, Vidyasagar University, Netaji Subhas Open University			01	Suhrid Book Stall		

Annexure – I

(Downloaded from UGC Website)

Affiliation Under Section 2(f) and 12(B)

423	Vivekanand College Thakurupukur Calcutta, Distt., North Twenty Four Par, West Bengal 63 West Bengal 63	Under Section : 2(f)&12(B)
424	Vivekanand College for Women Barisha (Thakerpukhur) Calcutta, Distt., South Twenty Four Par West Bengal 63 West Bengal 63	Under Section : 2(f)&12(B)
425	Vivekananda College Mathyamgram, Distt., North Twenty Four Parg, West Bengal West Bengal	Under Section : 2(f)&12(B)
426	Vivekananda College Alipurduar Jalpaiguri, Distt., Jalpaiguri, West Bengal 73 West Bengal 73	Under Section : 2(f)&12(B)
427	Vivekananda Mahavidyalaya Burdwan, Distt., Burdwan, West Bengal West Bengal	Under Section : 2(f)&12(B)
428	Vivekananda Mahavidyalaya P.O. Haripal, Distt., Hooghly, West Bengal West Bengal	Under Section : 2(f)&12(B)
429	Vivekananda Mission Mahavidyalaya Vivekanagar P.O. Chaitanyapur, Distt., Midnapore West Bengal 721 645 West Bengal 721 645	Under Section : 2(f)&12(B)
430	Vivekananda Setavarsiki Mahavidyalaya Manikpara, Distt., Midnapore, West Bengal West Bengal	Under Section : 2(f)&12(B)

Annexure – II

NAAC Peer Team Report and Certificate, 2004

17

SECTION III

Overall Analysis:

The Peer Team after going through the Self Study Report of the College and its verification during the college visit on April 5-6, 2004, is happy to record that the institution has succeeded to a considerable extent in translating its mission and goal of “Education for Empowerment” into academic practices. It has stood for providing quality higher education, including job oriented education to the deserving youth of the society, specially the disadvantaged section.


Adequate infrastructural facilities, academically inclined and dedicated faculty, transparent and efficient management are the noteworthy features of the College. The academic calendar is strictly adhered to and examinations are conducted as per University schedule. Co-curricular activities of the College are compatible with its goal and mission. There is harmonious relationship between the management, faculty, staff members and students. For the further growth of the College and maintenance of quality in higher education the Peer Team makes the following suggestions.


- The College may consider to constitute a women cell to render counseling service to the girl students.
- Computerisation of academic, administrative, financial and library activities may be completed on a priority basis.
- The College should contact INFLIBNET authorities to get access to the INFLIBNET system.


- Internal Quality Assurance Cell may be established in the College.
- The GB should make it obligatory for all the teaching and the support staff to become computer literate.
- Teaching plan and progress Register may be maintained in each department.
- A separate Research Committee may be constituted to further consolidate the research activity of the faculty.
 - UGC may be approached for financial assistance with regard to Hostel for Boys and Girls.
 - The College may approach UGC for opening a Yoga centre.
 - The library may have Reprographic facilities.
 - An Industry – Institute Co-ordination cell may be set up to take advantage of the proximity of the major industrial area at Taratala, Metiaburuj and Calcutta port. The job-oriented courses introduced in the College will be benefited with respect to training and absorption.

- Book Bank facility be extended to the students.
- An Internal Academic Audit cell be formed for academic monitoring.
- Job oriented Companion Courses (Certificate/Diploma) may be introduced as per UGC model in Travel and Tourism, Office Management, Interior Decoration, Beautician, Fashion Designing, Maintenance of solar devices, Enterprennreship etc.
- The College may take steps to set up Campus LAN.

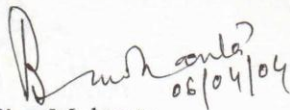
The NAAC Peer Team expresses its thanks for the warm reception and hospitality extended by the College.


Prof. D.K. Basu 06.04.04
Chairman


Prof. S. Dutta 06.04.04
Member


Dr I.C. Jena 06.04.04
Member

I agree to the contents of the report.


Dr Bijan Mohanta 06/04/04
Principal,
Vivekananda College



PRINCIPAL,
VIVEKANANDA COLLEGE
THAKURPUKUR, CALCUTTA-93



Quality Profile

Name of the Institution : Vivekananda College

Place : Thakurpukur, Kolkata, West Bengal

Criterion	Criterion Score (C _i)	Weightage (W _i)	Criterion X Weightage (C _i X W _i)
I. Curricular Aspects	77	10	770
II. Teaching-learning and Evaluation	82	40	3280
III. Research, Consultancy and Extension	80	05	400
IV. Infrastructure and Learning Resources	78	15	1170
V. Student Support and Progression	77	10	770
VI. Organisation and Management	80	10	800
VII. Healthy Practices	82	10	820
		100	$\Sigma C_i W_i = 8010$

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{8010}{100} = 80.10$$

Aravind
Director

EC/32/356

Annexure—III
List of Publication

Botany

List of Publications of Sutapa Kumar (Rai)

- ❖ **Rai SK**, Sarkar S, Banerjee S: Plant bioassay to study the toxic effect of some common agrochemicals. *Bodhi Bijnan*(accepted for publication).
- ❖ **Rai SK**, Das A, Banerjee S and Ghosh A (2012) Algal diversity at Amtala and Sarsuna, South 24 Parganas. *Bodhi Bijnan* 2: 140-145 (ISSN: 2277-4831)
- ❖ **Kumar S** and SC Roy (1996) Cytological changes leading to loss of differentiation in *Nigella sativa* (Ranunculaceae). *Bangladesh Journal of Botany* 25: 165-170 (ISSN: 0253-5416)
- ❖ **Kumar S** and Roy SC (1992) Alteration of sodium azide during *in vitro* growth of plant cells and its assay on yeast system. In: Manna GK and Roy SC (Eds) *Perspectives in Cytology and Genetics (Vol. VII)*, pp 345-353. Kolkata: All India Congress of Cytology and Genetics.
- ❖ Jha S and **S Rai** (Eds) (2005) Changing Scenario in Biosciences: Basic and Applied. Kolkata: UGC Academic Staff College, University of Calcutta

List of Publications of MeenakshiMukhopadhyay

- ❖ **Mukhopadhyay M**: Probiotics and prebiotics: the dynamic duo. *Bodhi Bijnan*(accepted for publication)
- ❖ **Mukhopadhyay Mand Bhattacharjee D** (2012) An ecological study on wastewater fisheries of Mudialy Fishermen's Co-operative Society. *Bodhi Bijnan* 2: 115–123 (ISSN: 2277-4831)
- ❖ **Mukhopadhyay M** (2008): Bioactivities of some medicinal mushrooms: a modern perspective. *Journal of Mycopathological Research* 46: 13-21 (ISSN: 0971-3719)
- ❖ **Mukhopadhyay M**, Kundu S, Samaddar KR (1991) Increased susceptibility of mung bean to *Macrophomina phaseolina* at low temperature. *Journal of Mycopathological Research* 29: 1-7 (ISSN: 0971-3719)

List of Publications of Kuntal Narayan Chaudhuri

- ❖ **Chaudhuri KN**: The Paddy-Fish Cultivation: Exploring the Traditional Ecological Knowledge-Based Natural Resource Management of the Apatanis of Ziro Valley, Arunachal Pradesh. *Bodhi Bijnan*(accepted for publication)

- ❖ **Chaudhuri KN and Pal AK:** *Excoecaria agallocha* (gewa) and the locals of the Sundarbans: a review of an enduring love-hate relationship. *Bangabidya: International Journal of Bengal Studies* (accepted for publication)
- ❖ **Pal AK and Chaudhuri KN** (2012) The blinding tree *Excoecaria agallocha* L. (Euphorbiaceae): a review. *Bodhi Bijnan* 2: 70–88 (ISSN: 2277-4831)
- ❖ **Chaudhuri KN** (2009) The plants of prey. *Bodhi Bijnan* 1: 56–63 (ISSN: 2277-4831)
- ❖ **Chaudhuri K**, Das S, Bandyopadhyay M, Zalar A, Kollmann A, Jha S, Tepfer D (2009) Transgenic mimicry of pathogen attack stimulates growth and secondary metabolite accumulation. *Transgenic Research* 18: 121–134 [ISSN: 0962-8819 (Print) 1573-9368 (Online)]
- ❖ **Chaudhuri KN**, Ghosh B, D Tepfer, Jha S (2006) Spontaneous plant regeneration in transformed roots and calli from *Tylophora indica*: changes in morphological phenotype and tylophorine accumulation associated with transformation by *Agrobacterium rhizogenes*. *Plant Cell Reports* 25: 1059-1066 [ISSN: 0721-7714 (Print) 1432-203X (Online)]
- ❖ Jha S, Bandyopadhyay M, **Chaudhuri KN**, Ghosh S, Ghosh B (2005) Biotechnological approaches for the production of forskolin, withanolides, colchicine and tylophorine. *Plant Genetic Resources: Characterization and Utilization* (Special Issue on Medicinal and Aromatic Plants) 3: 101-115 [ISSN: 1479-2621 (Print) 1479-263X (Online)]
- ❖ **Chaudhuri KN**, Ghosh B, D Tepfer, Jha S (2005) Genetic transformation of *Tylophora indica* with *Agrobacterium rhizogenes* A4: growth and tylophorine productivity in different transformed root clones. *Plant Cell Reports* 24: 25-35 [ISSN: 0721-7714 (Print) 1432-203X (Online)]
- ❖ **Chaudhuri KN**, Ghosh B, Jha S (2004) The root: a potential new source of competent cells for high-frequency regeneration in *Tylophora indica*. *Plant Cell Reports* 22: 731-740 [ISSN: 0721-7714 (Print) 1432-203X (Online)]
- ❖ **Chaudhuri KN** and Chaudhuri S (2015) The sacred groves of India: an overview of their role in the conservation of biological diversity. In: Jha P (Ed) *Biodiversity, Conservation and Sustainable Development: Issues and Approaches* (Vol. I), pp 46-58. New Delhi: New Academic Publishers (ISBN 978-8186772751)
- ❖ Chaudhuri S and **Chaudhuri KN** (2014) Sacred groves of India: exploring the cultural dimensions of a traditional ethno-ecological institution. In: Ghosh L, Ghosh S (Eds) *Perspective Asia-Pacific: Proceedings of the International Association for Asian and Pacific Studies (Sixth Biennial International Conference, 2012, Kolkata)*, pp 36-46. Maha Bodhi Book Agency, Kolkata. (ISBN: 978-93-80336-95-4)

List of Publications of Asis Kumar Pal

- ❖ Lahiri S, Panda S, **Pal AK:** It's high time for tea! *Bodhi Bijnan* (accepted for publication)

- ❖ **Pal AK** (2014) SEM studies on the conidial morphology of some *Pestalotiopsis* species occurring on mangrove plants. *Journal of Mycopathological Research* 46: 13-21 (ISSN 0971-3719)
- ❖ **Pal AK** and Purkayastha RP (2001) Variability in *Colletotrichum gloeosporioides* a common parasite of some mangrove plants of Sundarbans. *Journal of the National Botanical Society* 54: 1-5 (ISSN: 0006-811X)
- ❖ De R, Purkait R, **Pal AK** and Purkayastha RP (1999) Differential inactivation of pectolytic enzymes of some tannin-responsive microfungi isolated from mangrove plants. *Indian Journal of Experimental Biology* 37: 706-709 (ISSN: 0019-5189)
- ❖ Purkayastha RP and **Pal AK** (1998) SEM studies on a mangrove rust of Sundarbans (Eastern India). *Mycological Research* 102: 692-694 (ISSN: 0953-7562)
- ❖ Purkayastha RP and **Pal AK** (1996) New foliocolus fungi from Indian mangroves (Sundarbans). *Indian Phytopathology* 49: 9-21 (ISSN: 0191-2917)
- ❖ Purkayastha RP and **Pal AK** (1993) Two new species of *Pestalotiopsis* on mangrove trees in the Sundarbans. *Bulletin of the Botanical Survey of India* 35: 94-98 (ISSN: 0006-8128)
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Annexure – IV**Audit Report of Last Four Years****Audited Income and Expenditure Statement****Year: 2011**

VIVEKANANDA COLLEGE				
269 DIAMOND HARBOUR ROAD, KOLKATA : 700 063				
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2011				
PARTICULARS	SCHEDULE	31.3.2011	31.3.2010	
INCOME :				
Fees, Fine & Other Fees	K	14,614,076.00	11,645,896.00	
Income From Other Sources	L	2,021,157.00	1,782,995.30	
Sub Total	(1)	16,635,233.00	13,428,891.30	
EXPENDITURE				
Part Time Staff Salary	M	3,236,726.00	2,572,050.00	
Miscellaneous Account	N	4,795,162.00	3,739,950.30	
Depreciation on Fixed Assets	F	2,663,301.19	2,206,075.40	
Sub Total	(2)	10,695,189.19	8,518,075.80	
Excess of Income over Expenditure	Total	5,940,043.81	4,910,815.40	

Schedules K to P referred to above form an integral part of the Balance Sheet


Signed in terms of our report
of even date annexed hereto

Dated : The 18th Day of January 2012



D. Sen Gupta
BURSAR
VIVEKANANDA COLLEGE
Thakurpukur, Kol-63

For P.K. BISWAL & CO.
Chartered Accountants



PRASANTA KUMAR BISWAL
(Proprietor)

H. Sen
Principal
Vivekananda College
Thakurpukur, Kol-63

Year: 2012

269 DIAMOND HARBOUR ROAD, KOLKATA : 700 063
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2012

PARTICULARS	SCHEDULE	31.3.2012	31.3.2011
INCOME :			
Fees, Fine & Other Fees	K	16,876,707.00	14,614,076.00
Part -Time & Contractual Teacher Grant		2,196,460.00	
Income From Other Sources	L	6,725,980.00	2,021,157.00
Sub Total	(1)	25,799,147.00	16,635,233.00
EXPENDITURE			
Part Time Staff Salary	M	3,571,697.00	3,236,726.00
Miscellaneous Account	N	5,693,556.60	4,795,162.00
Depreciation on Fixed Assets	F	3,160,976.68	2,663,301.19
Sub Total	(2)	12,426,230.28	10,695,189.19
Excess of Income over Expenditure	Total	13,372,916.72	5,940,043.81

Schedules K to P referred to above form an integral part of the Balance Sheet

Signed in terms of our report
of even date annexed hereto

For P.K. BISWAL & CO
Chartered Accountants

PRASANTA KUMAR BISWAL
(Proprietor)

Dated : The 24th Day of December 2012

D. Sengupta
BURSAR
VIVEKANANDA COLLEGE
Thakurpukur, Kol-63

Principal
Vivekananda College
Thakurpukur, Kol-63

Year: 2013

VIVEKANANDA COLLEGE
269 DIAMOND HARBOUR ROAD, KOLKATA : 700 063
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2013

PARTICULARS	SCHEDULE	31.3.2013	31.3.2012
INCOME :			
Fees, Fine & Other Fees	K	19,159,379.00	16,876,707.00
Part -Time & Contractual Teacher Grant		0.00	2,196,460.00
Income From Other Sources	L	2,568,158.00	6,725,980.00
Sub Total	(1)	21,727,537.00	25,799,147.00
EXPENDITURE			
Part Time Staff Salary	M	3,370,600.00	3,571,697.00
Miscellaneous Payments	N	6,691,607.00	5,693,556.60
Depreciation on Fixed Assets	F	3,263,170.68	3,160,976.68
Sub Total	(2)	13,325,377.68	12,426,230.28
Surplus of Income over Expenditure	Total	8,402,159.32	13,372,916.72

Schedules K to P referred to above form an integral part of the Balance Sheet

D. Sengupta

Signed in terms of our report
of even date annexed hereto

[Signature]
PRINCIPAL
Vivekananda College
Thakurpukur, Kol-63

Year:2014

VIVEKANANDA COLLEGE
269 DIAMOND HARBOUR ROAD, KOLKATA : 700 063
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH,2014

PARTICULARS	SCHEDULE	31.3.2014	31.3.2013
INCOME :			
Feess, Fine & Other Fees	K	19,525,107.00	19,159,379.00
Income From Other Sources	L	3,055,851.00	2,568,158.00
Sub Total	(1)	22,580,958.00	21,727,537.00
EXPENDITURE			
Part Time Staff Salary	M	4,737,030.00	3,370,600.00
Miscellaneous Payments	N	7,990,181.00	6,691,607.00
Depreciation on Fixed Assets	F	3,692,138.77	3,263,170.68
Sub Total	(2)	16,419,349.77	13,325,377.68
Excess of Income over Expenditure	Total	(1-2)	6,161,608.23
		6,161,608.23	8,402,159.32

Schedules K to P referred to above form an intergral part of the Balance Sheet

Signed in terms of our report
of even date annexed hereto

D. Sengupta
BURSAR
Vivekananda College
Thakurpukur, Kol - 63

H. Pradhan
Principal
Vivekananda College
Thakurpukur, Kol-63



Annexure – V

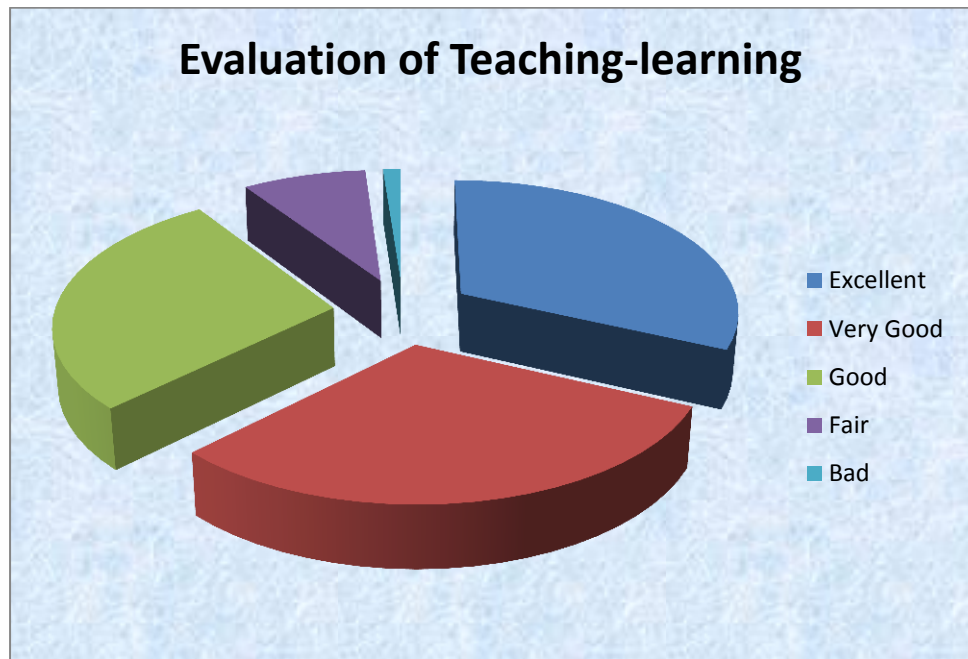
Students' Evaluation

The College has introduced the system of Student Evaluation process from the last year. One of the major pillars of the college is the students and to run the college smoothly and also find out the area of further development, the college authority thought that it is necessary and important also to know the students understanding. With this it is also thought of that it is quintessential to know about the performance of college authority and in particular of the teachers. Initially the college thought of major four areas to be evaluated by the students: i) Teaching-learning Environment, ii) Infrastructural Facility Available, iii) Scope of Students to be engaged in extracurricular activities and iv) Teacher's performance. For these broad four areas different parameters are chosen after through discussion and brainstorming. After finalization of parameters a close end questionnaire was prepared. Each question has five answers: Excellent, Very Good, Good, Fair and Bad. Students are asked to tick one answer for each question according to their perception. To make the evaluation process free and fair it makes certain that the name of the students are not to be disclosed and keeping this in mind there is no place where they have to write their name. After getting those data we categorize those data according to predetermined four broad areas and also clubbed data for lab based and no- laboratory based subjects. Though now it is paper based survey, but we are preparing a web based evaluation system and will come into force very soon.

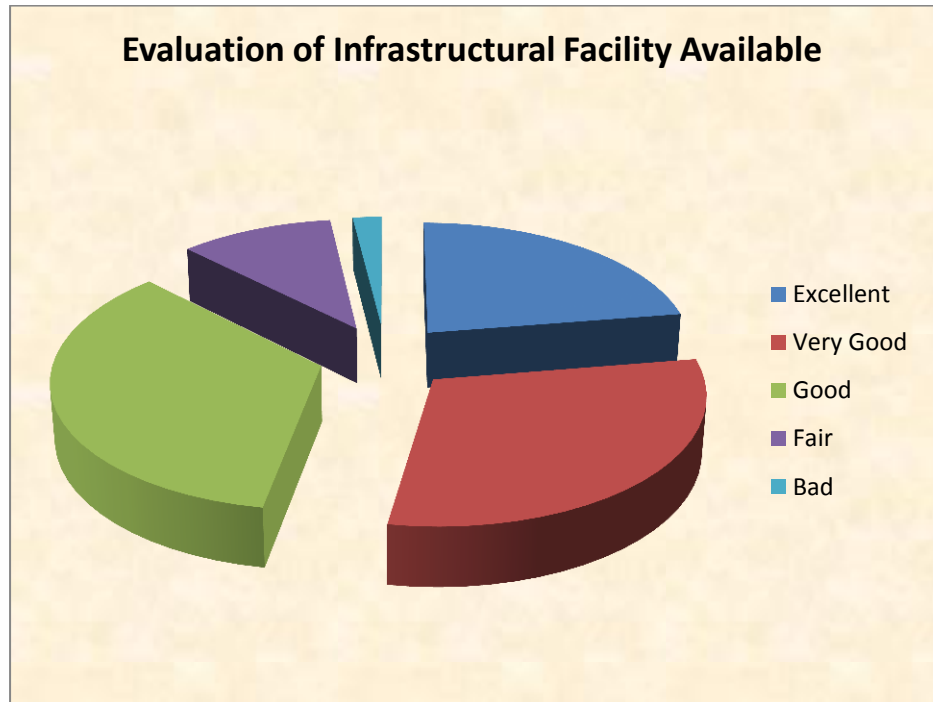
The Findings:

Findings for Non-Laboratory Based Subjects:

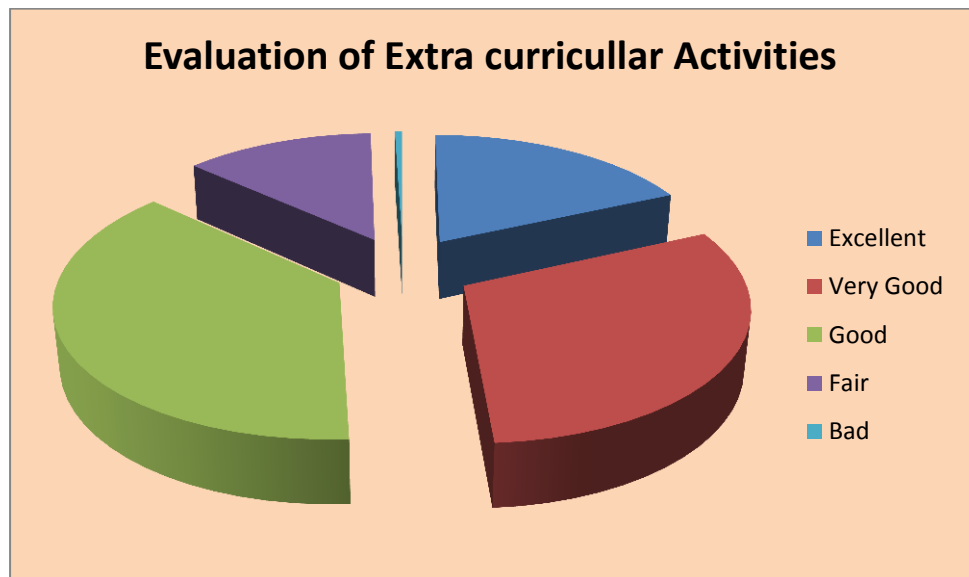
- i) Teaching-Learning Environment: It is true that Teaching-learning Environment is one of the most important aspects for a college. It is found that in case of non-laboratory based subjects most of the students rate it as excellent (31.6%) and Very Good (30%).



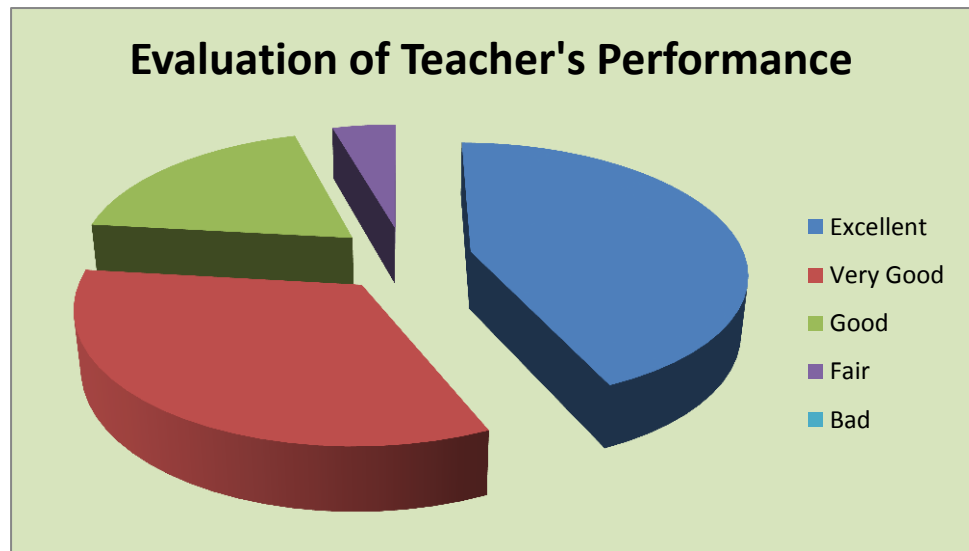
- ii) Infrastructural Facility Available: Here we find that most of the students ranked this as Very Good (30.67%) and Good (35.33%) compared to Excellent (22.83%). So here is option to develop.



- iii) Scope of Engagement of Students in Extra-Curricular Activities:
Here college has ample opportunity to develop as most of the students answered the scope as good (76%).



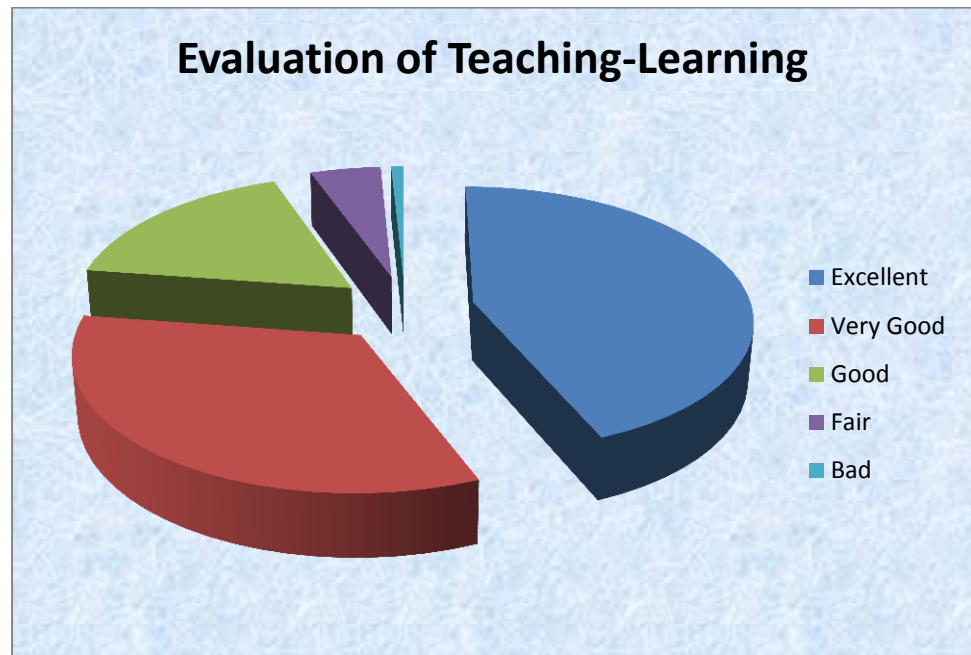
- iv) Teacher's Performance: This is one of the major focuses for us. Interestingly we find that majority of the student ranked it as excellent (43%). But we are not satisfied. Taking this evaluation in consideration we will endeavor to reach at the stage where 90-100% student will rank it as excellent.



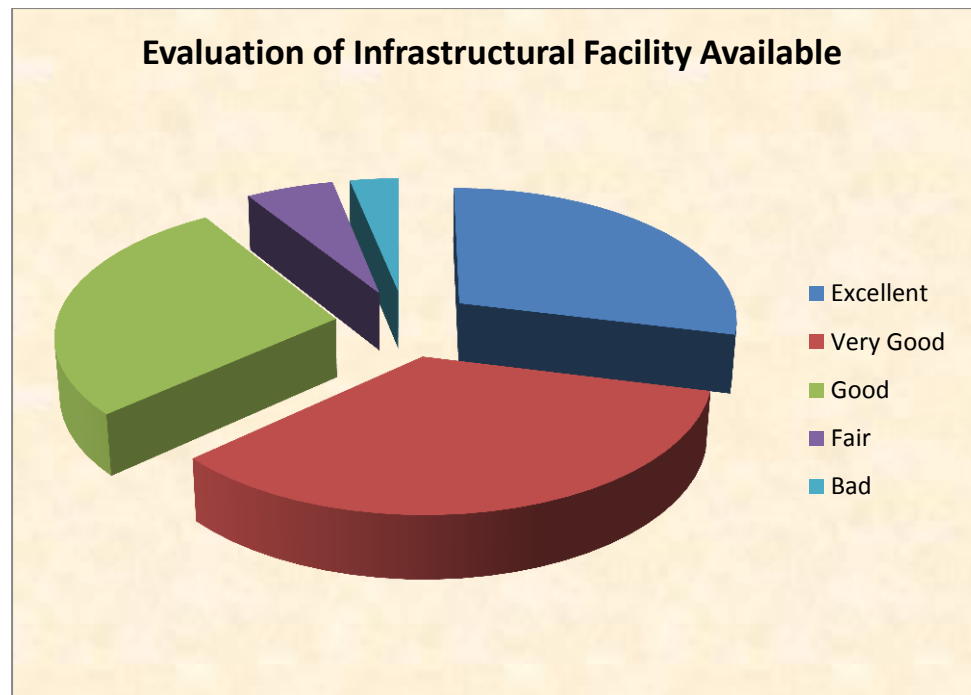
Findings for Laboratory Based Subjects:

We have carried out the same analysis for Laboratory based subjects.

- i) Teaching-Learning Environment: Here we find that 42.95% of the students studying in the laboratory based subjects rate it as excellent.

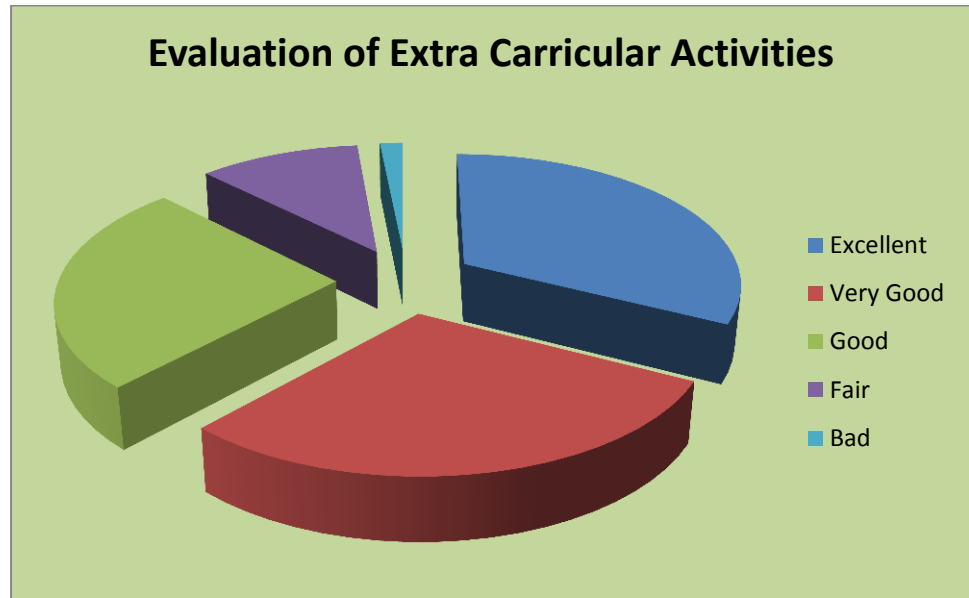


- ii) Infrastructural Facility Available: Here we find that most of the students ranked this as Very Good (33.39%) and Good (26.86%) compared to Excellent (27.95%). So here is option to develop.

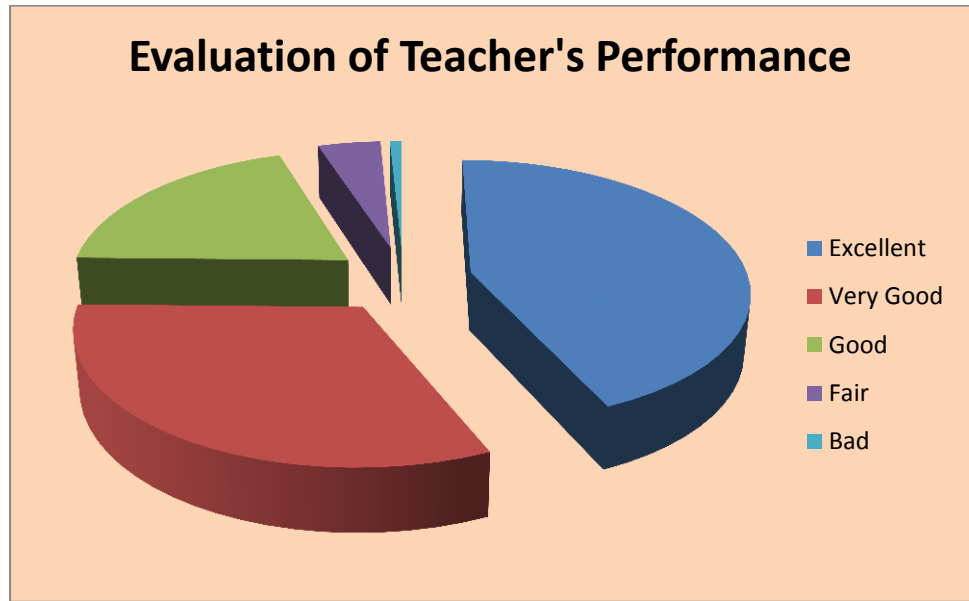


iii) Scope of Engagement of Students in Extra-Curricular Activities:

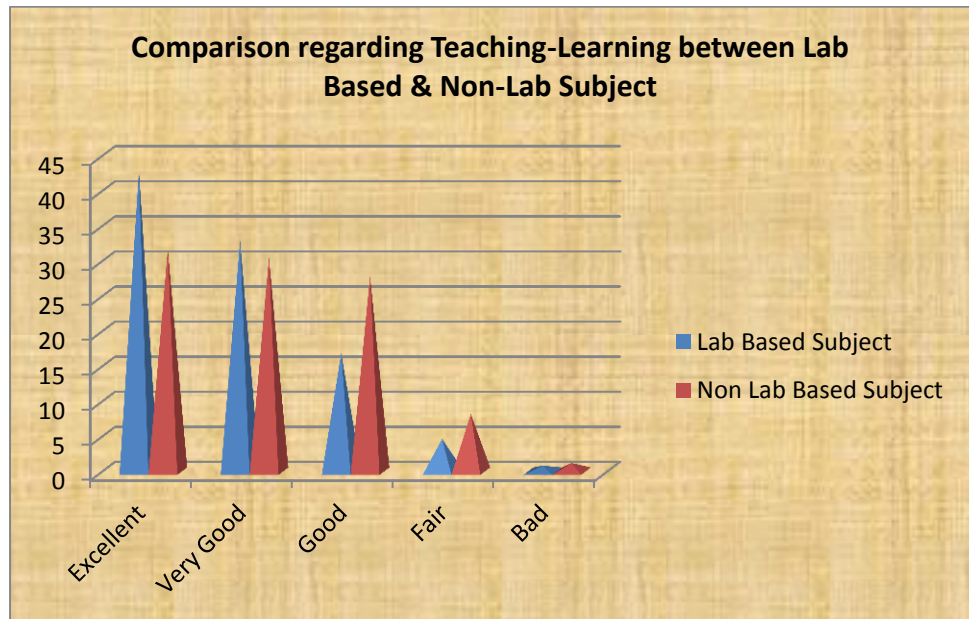
Here college has ample opportunity to develop as most of the students answered the scope as excellent (32.3%).

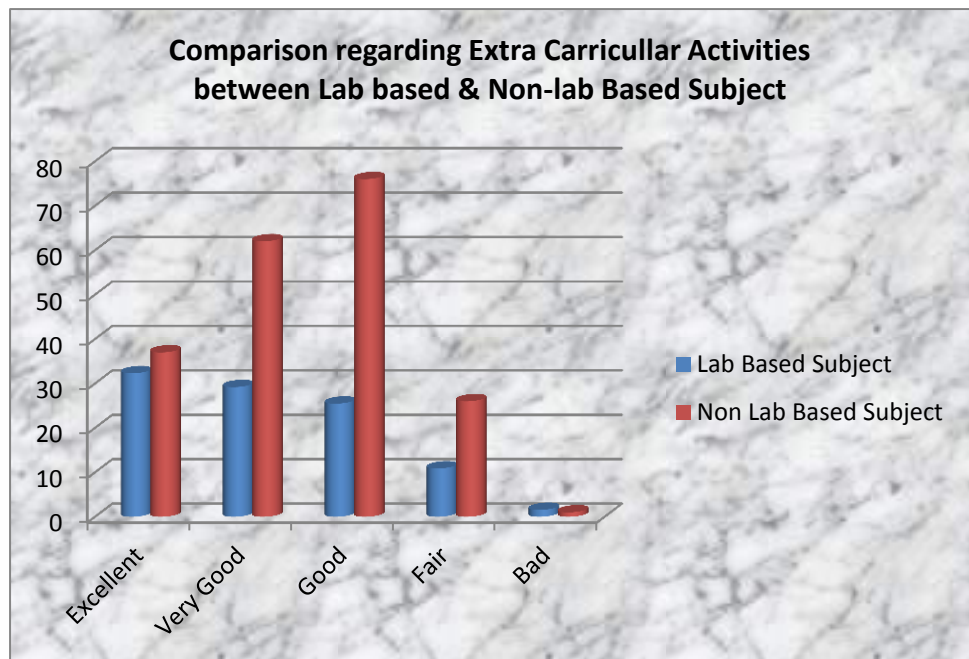
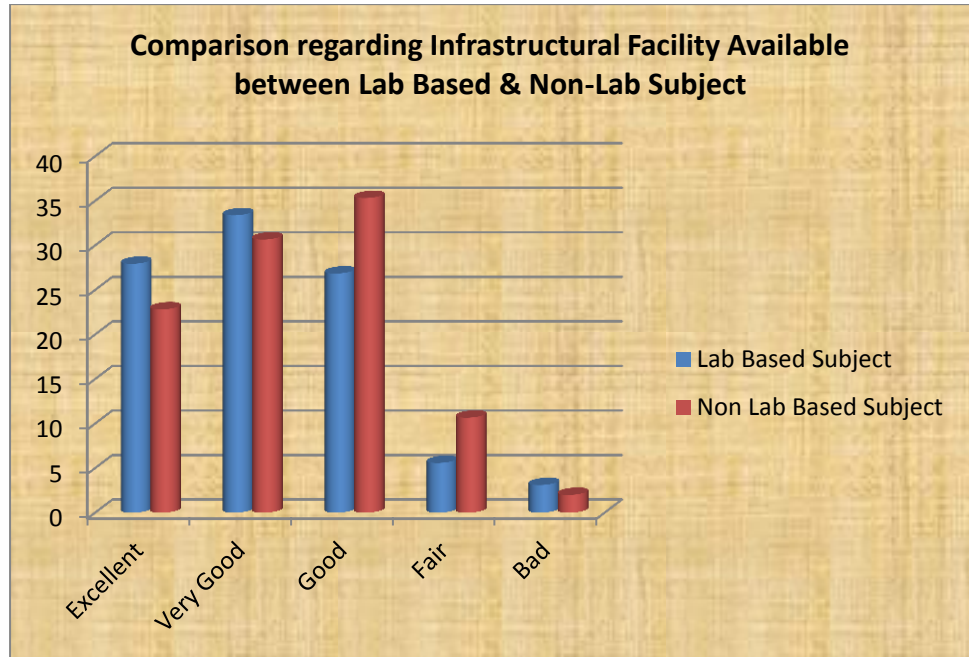


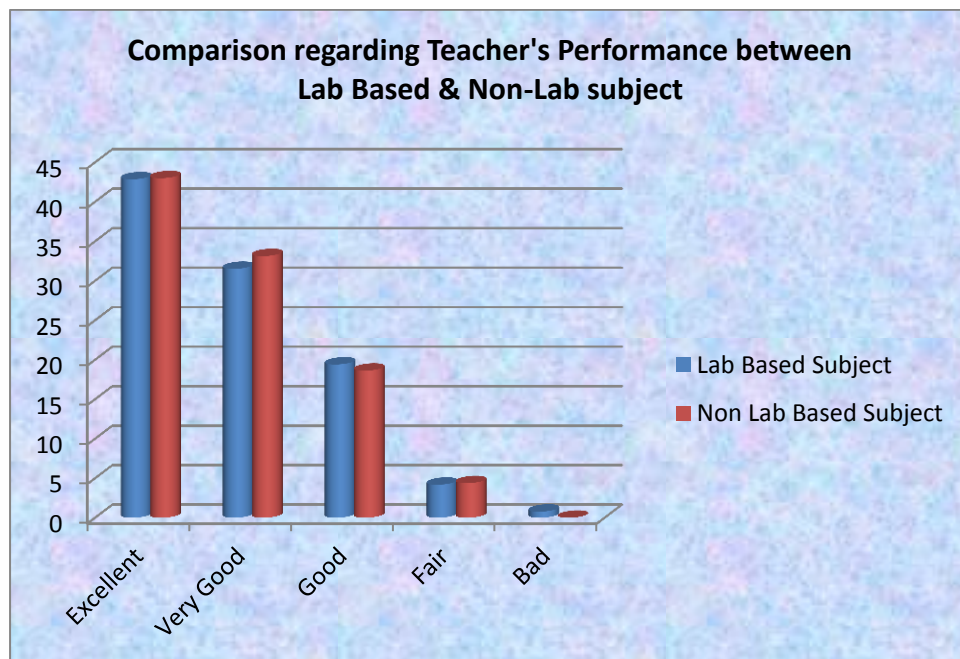
iv) Teacher's Performance: This is one of the major focuses for us. Interestingly we find that majority of the student ranked it as excellent (42.86%). But we are not satisfied. Taking this evaluation in consideration we will endeavor to reach at the stage where 90-100% student will rank it as excellent.



Comparison between Laboratory based and Non-laboratory based subjects







The Self Study Report

Prepared by:

Dr. Tapan Kumar Poddar, Principal

Dr. Siddhartha Guha Ray, Coordinator, IQAC

Dr. Atanu Thakur, Bursar

Dr. Arvind Pan, Secretary, Teachers' Council

Prof. Suknya Sanyal

Dr. Kuntal Narayan Choudhuri

Dr. Rajarshi Mitra

Prof. Nilkanta Mukherjee

Sri Subhas Chandra Jena

Assisted by:

Dr. Tripti Dhar

Sri Shib Sankar Dutta

Sri Rajjyeswar Saha

Smt. Sikha Samajpati

Supported by:

All Teachers, Non-Teaching Staff and Students.