

Evaluative Report of the Department (Period of Evaluation: 01-01-2010 to 31-12-2014)

1. Name of the Department:

Geology

2. Year of establishment:

1916

3. To which Faculty/ School of the university does your Department belong?

Science

4. Name the programmes offered and the exam system adopted in your Department (i.e., UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D.Litt., etc.)

Programmes	Name	Semester/ Annual System
UG	--	--
M.Sc/M.A	M. Sc. in Applied Geology	Semester System
Integrated Masters	--	--
B.Tech	--	--
M.Tech	--	--
M.Phil.	--	--
Ph.D.	Ph.D. in Geology	Course work and Reserach
Integrated Ph.D.	--	--
Certificate	--	--
Diploma	--	--
PG Diploma	--	--
Any other (please specify)	--	--

5. Mention the involvement of your Department in interdisciplinary programmes:

Sl.No.	Description
1	Faculty member of our Department is involved in teaching in Marine
2	Science Department, CU

6. What courses does your Department run in collaboration with other universities, industries, foreign institutions, etc.

Sl.No.	Description
--	--

7. Give details of programmes discontinued, if any, with reasons

Sl. No.	Course	Reasons of discontinuation
--	--	--

8. Pattern of Examination System: Annual/Semester/Trimester/Choice-Based Credit

Sl. No.	Course	Annual/Semester/Trimester/Choice Based Credit System
1	M.Sc. (App Geology)	Four semester and GPA based
2	Ph.D. (Geology)	1 semester course work + Research

9. Participation of the department in the courses offered by other departments

Sl. No.	Course	Collaborating Department
1	M.Sc. in Marine Science	Marine Science, CU
2	M.Sc. in Environmental Science	Environmental Sciences, CU

10. (A) Please state number of teaching posts (sanctioned, filled & actual)

Designation	Sanctioned	Filled (in position)	Actual (including CAS & MPS)
Professor or equivalent	2	2	3
Reader and Associate Professors	4	1	2
Assistant Professors	9	4	2

(B) Please classify Whole-Time Teachers as under :

Designation	Gender		Selection Mode		Category				
	Male	Female	Direct	CAS	General	SC	ST	OBC	Muslim Minority (included within OBC)
PROFESSOR & EQUIVALENT	3	0	2	1	2	0	0	0	0
ASSOCIATE PROFESSOR	2	0	0	2	2	0	0	0	0
READER	0	0	0	0	0	0	0	0	0
ASSISTANT PROFESSOR	2	0	2	0	0	0	0	0	0

11. Please provide the detailed faculty profile, including name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	Experience (years)	Ph.D./ M.Phil. students guided (regd./submitted /awarded)
Jyotisanakar Ray	Ph.D.	Professor	Igneous Petrology, Geochemistry, Experimental Petrology	30	06- Awarded 03- Registered
Tapas Bhattacharya	Ph.D.	Professor	Geomathematics, Structural Geology, Tectonics, Precambrian Geology	25	01-Submitted
Abdul Matin	Ph.D.	Professor	Structural Geology, Tectonics	33	01-Awarded 02- Registered
Siddhartha Sengupta	Ph.D.	Associate Professor	Micropalaeontology	27	02- Registered
Bapi Goswami	Ph.D.	Associate Professor	Petrology, Geochemistry	16	01-Registered
Santanu Bose	Ph.D.	Assistant Professor	Structural Geology with Analogue and Numerical Modelling, Rheology of rock	09	01-Submitted 03 - Registered
Biswajit Ghosh	Ph.D.	Assistant Professor	Igneous Petrology, Ore Petrology	07	05- Registered

12. Provide a list of senior Visiting Fellows, adjunct faculty, emeritus professors

SINo	Name	Visiting fellows/Adjunct faculty/Emeritus professors
1	Dr. F.K. Kabeto (Visiting Fellow)	C.V. Raman Fellow (supported by DST)
2	Dr. B. Purkait, Dr.S. Halder, Dr. A. Chatterjee, Dr. D.P. Sengupta, Dr.A.K. Ghosh, Dr. C. Bhattacharyya, Dr. S. K. Mondal, Dr. P.K. Sikder, Prof. D. Mukhopadhyay, Prof. D.Saha, Dr. Shyamal Sengupta, Dr. K. Halder	Adjunct faculty

13. What is the percentage (%) of classes taken by temporary faculty, programme-wise?

Programmes	Name of programme	No. of temporary faculty	% of total faculty strength
UG	--	--	--
M.Sc (Applied Geology)	M.Sc.(Applied Geology)	11	~ about 40%/-50% classes taken by temporary faculty
Integrated Masters	--	--	--
B.Tech	--	--	--
M.Tech	--	--	--
M.Phil.	--	--	--
Ph.D.	Ph.D. Course work	04	~about 20%
Integrated Ph.D.	--	--	--
Certificate	--	--	--
Diploma	--	--	--
PG Diploma	--	--	--
Any other (please specify)	--	--	--

14. Programme-wise Student Teacher Ratio

Programmes	Name of programme	Student Teacher Ratio
UG	--	--
M.Sc/M.A	MSc Applied Geology	8:1
Integrated Masters	--	--
B.Tech	--	--
M.Tech	--	--
M.Phil.	--	--
Ph.D.	Ph.D.	6:1
Integrated Ph.D.	--	--
Certificate	--	--
Diploma	--	--
PG Diploma	--	--
Any other (please specify)	--	--

15. No. of support staff (technical) & administrative staff: sanctioned, filled & actual

Staff type	Sanctioned	Filled	Actual
Technical	23	06	06
Administrative	15	07	07

16. Research thrust areas as recognized by major funding agencies

Sl. No.	Name of research thrust area	Major funding agency
1	Petrology	UGC, DST
2	Structural Geology	UGC, DST

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Name of the Faculty	Ongoing Project	Date of Approval and Duration	National / International	Total grants Approved	Total grants received
Jyotisanakar Ray	Tracking Kerguelen Plume activities in North Eastern India in the light of Continental Flood basalt related differentiation centres	(2009-2012)	National (UGC)	8.50 Lakhs	--
Jyotisanakar Ray	Petrotectonic style of Manipur Ophiolite Belt, North Eastern India	(2012-2015)	National (DST)	9.20 Lakhs	--
Jyotisanakar Ray	Desertification Status Mapping of India- 2 nd Cycle	--	National (ISRO)	9.70 lakhs	--
Santanu Bose	Interpretation of multiple deformations in the Eastern Himalaya: A kinematic correlation with orogenic movements	01.04.2011 for 3 years	National (DST)	19.3 lakh	19.3 lakh
Biswajit Ghosh	Origin of Podiform Chromite from Andaman Ophiolite	(2010-1012)	National (DST)	Rs. 16.61 lakhs	Rs. 16.61 lakhs
Biswajit Ghosh	Evaluation of zincian spinel composition as a path finder for sulphide mineralization in Mamandur area, South India	--	National (UGC)	Rs. 1.5 lakhs	--
Bapi Goswami	Petrological, mineralogical and geochemical studies of Precambrian alkaline suite of rocks from North Purulia Shear Zone, Eastern Indian shield: Implication for tectonomagmatic evolution and REE metallogeny	(2014-2017)	National (DST)	Rs. 17.56 lakhs	Rs. 6 lakhs
Bapi Goswami	Tectonothermal History of the Chhotanagpur Gneissic Complex and Evolution of the Granitoid Rocks	(2014-2017)	National (UGC)	Rs. 16.95 lakhs	Rs. 6 lakhs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

Name of the Faculty	Ongoing Project	Date of Approval and Duration	National	Total grants Approved	Total grants received
Abdul Matin As Co-PI In collaboration with Lucknow University, Lucknow, UP.	Relationship between magmatic processes and tectonic in the Bundelkhand craton in and around Jhansi-Mauranipore-Karera area, parts of Uttar Pradesh and Madhya Pradesh	19.02.2013	National (CSIR)	12 lakhs	--
Jyotisankar Ray As Co-PI (in collaboration with Dr. C. Manikyamba, NGRI, Hyderabad)	Geological and Geochemical Investigations of Precambrian Mafic Magmatism of Singhbhum craton, Eastern India: Implication on Mantle processes	(2012-2015)	National (DST)	7.50 Lakhs	

b) International collaboration

Name of the Faculty	Ongoing Project	Date of Approval and Duration	International	Total grants Approved	Total grants received
--	--	--	--	--	--

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; and total grants received:

Name of the Faculty	Project	Date of Approval And Duration	Funded Agencies	Total grants Approved	Total grants received
Departmental Project involving all faculty-members	Development Grant	2007-2010	UGC	9.41 lakhs	9.41 lakhs
	PURSE	2011	DST	45 Lakhs	32 lakhs(approx)
	DRS	01.04.2013	UGC	10 lakhs (approx)	3.0 lakh
	FIST	December 2014	DST	2.3 crore	NIL

20. Does your Department have any research facility / centre with

- state recognition?
- national recognition?
- international recognition?

Our Departmental researches are widely acclaimed by several national and international organizations

21. Special research laboratories sponsored / created by industry or corporate bodies

Sl.No.	Research Laboratory location	Major funding agency (industry/govt/corporate)
1	Experimental Structural Geology Lab	UGC, DST
2	Experimental Petrology Lab	UGC, DST

22. (A) Publications of faculty (aggregate of all departmental whole-time teachers from 01-1-2010 to 31-12-2014):

Sl.No.	Type of publication	Number of publications
1	Papers published in peer-reviewed journals	59
2	Monographs	--
3	Chapters in books	03
4	Edited books	02
5	Books with ISBN	--
6	Publications listed in International Databases	Publications are listed in Scopus, Georef, Geobase, Min abst etc

(B) Publications of faculty (for each whole-time teacher from 01-1-2010 to 31-12-2014):

Name of the Faculty	Jyotiskankar Ray	Number
Number of papers published in peer reviewed journals (national / international)		16
Monographs		--
Chapters in Books		01
Edited Books		01
Books with ISBN with details of publishers		--
Number listed in International Database (e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)		17
Citation Index- range/ average		--
SNIP		--
Impact Factor - range / average		0.51-6.02
h-index		--
SJR		--

Name of the Faculty Tapas Bhattacharya	Number
Number of papers published in peer reviewed journals (national / international)	2
Monographs	--
Chapters in Books	0
Edited Books	--
Books with ISBN with details of publishers	--
Number listed in International Database (<i>e.g.</i> Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	02
Citation Index- range/ average	--
SNIP	--
Impact Factor - range / average	0.51-6.02
h-index	--
SJR	--

Name of the Faculty Abdul Matin	Number
Number of papers published in peer reviewed journals (national / international)	9
Monographs	--
Chapters in Books	1
Edited Books	--
Books with ISBN with details of publishers	--
Number listed in International Database (<i>e.g.</i> Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	10
Citation Index- range/ average	--
SNIP	--
Impact Factor - range / average	--
h-index	--
SJR	--

Name of the Faculty Siddhartha Sengupta	Number
Number of papers published in peer reviewed journals (national / international)	04
Monographs	--
Chapters in Books	--
Edited Books	--
Books with ISBN with details of publishers	--
Number listed in International Database (<i>e.g.</i> Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	04
Citation Index- range/ average	--
SNIP	--
Impact Factor - range / average	Range: 0.2-0.833
h-index	--
SJR	--

Name of the Faculty	Bapi Goswami	Number
Number of papers published in peer reviewed journals (national / international)		05
Monographs		--
Chapters in Books		--
Edited Books		--
Books with ISBN with details of publishers		--
Number listed in International Database (<i>e.g.</i> Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)		05
Citation Index- range/ average		--
SNIP		--
Impact Factor - range / average		--
h-index		--
SJR		--

Name of the Faculty	Santanu Bose	Number
Number of papers published in peer reviewed journals (national / international)		07
Monographs		--
Chapters in Books		--
Edited Books		--
Books with ISBN with details of publishers		--
Number listed in International Database (<i>e.g.</i> Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)		07
Citation Index- range/ average		--
SNIP		--
Impact Factor - range / average		Range: 0.51-31
h-index		--
SJR		--

Name of the Faculty	Biswajit Ghosh	Number
Number of papers published in peer reviewed journals (national / international)		16
Monographs		--
Chapters in Books		01
Edited Books		01
Books with ISBN with details of publishers		--
Number listed in International Database (<i>e.g.</i> Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)		17
Citation Index- range/ average		--
SNIP		--
Impact Factor - range / average		0.51-3.65
h-index		--
SJR		--

23. Details of patents and income generated: Nil

Name of faculty	Details of patent	Applied/Sanctioned	Year
--	--	--	--

24. Areas of consultancy and income generated: Nil

Name of faculty	Details	Year/	Income Generated
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25. Faculty selected nationally / internationally to visit other laboratories/institutions industries in India and abroad:

Name of faculty	National/ International	Type of institution; Country location	Year
Biswajit Ghosh	International	University, Japan	2011, 2012, 2014
Santanu Bose	International	Universities in London and Japan	2010, 2012
Jyotisanekar Ray	National	National Geophysical Research Institute, Hyderabad	2010,2012,2013

26. Faculty serving in different committees and editorial boards (please specify)

Name of faculty	National/ International	Type of Committee/Board; Country location	Year
Abdul Matin	National	Advisory Committee of UGC in UGC-SAP-DRS Phase II	2013-
Jyotisanekar Ray	National	Advisory Committee of UGC in UGC-SAP-DRS Phase I, II and in Review /Screening committee, UGC Minor Research Projects, selection committee in JU, Dibrugarh University, Beharamore University	2011-2014

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs) (from 01-01-2010 to 31-12-2014).

Type of programme	National/international	Number of participants	Year
UGC Refresher Course	National	22	2012
UGC Refresher Course	National	21	2014

28. Projects undertaken by students of the Department

Type of project	National/international collaboration with other university/ industry/institute	% of participating students
In-house (departmental): M.Sc. thesis projects (Compulsory)	National level (within the Department)	80%
In-house (inter-departmental)	Collaboration with Dept. of Env Sciences, CU	5%
Collaboration projects	Collaboration with Jadavpur University, NGRI, University of Lucknow, Geological Survey of India	15%

29. Awards/recognitions at the national/international level (01-01-2010 to 31-12-2014):

Faculty/ Doctoral /post doctoral fellows / Students	National/ International	Source of funding	Outstanding participant	Year
Santanu Bose (Faculty)	National	Asiatic Society of India	--	2013
Santanu Bose (Faculty)	International	INSA-JSPS	--	2012
Santanu Bose (Faculty)	International	Royal Society of London	--	2010
Biswajit Ghosh(Faculty)	International	JSPS	--	2014
Biswajit Ghosh(Faculty)	International	JSPS	--	2012
Biswajit Ghosh(Faculty)	International	JSPS-INSA	--	2011
Jyotisankar Ray (Faculty)	National	Geological Society of India, Bangalore	--	2012
Abhishek Saha (Doctoral)	National	Asiatic Society of India	--	2012
Sohini Ganguly (Doctoral)	National	Asiatic Society of India	--	2013

30. Seminars/Conferences/Workshops organized; and source of funding (national/international) with details of outstanding participants, from 01-01-2010 to 31-12-2014).

(Sr No)Name of programme	National/ International	Source of funding	Outstanding participant	Year
(1)Tectonics of the Shillong Plateau and Himalayan Foredeep in northeast India	National	University of Calcutta	Prof. V. K. Gaur, Bangalore Dr. K. S. Krishna, NIO, Goa	2014
(2)PGE from Earth's Core to Road Dust	International	UK-India Education and Research Initiative (UKIERI) by the British Council (UK) - MHRD (India) Thematic Partnership Project (2013-2015)'	Dr. Hazel Prichard, Cardiff University, UK	2014
(3)Characterization of PGE Mineralization in the Fazenda Mirabela Intrusion, Bahia State, Brazil	International	UK-India Education and Research Initiative (UKIERI) by the British Council (UK) - MHRD (India) Thematic Partnership Project (2013-2015)'	Robert Knight, Cardiff University, UK	2014
(4)Earth Analogs to Decode Sedimentary History of Mars	International	University of Calcutta	Prof. Marjorie A. Chan , The University of Utah, Salt Lake City	2014

(5)Lake sediments – archives to study man induced environmental changes	International	University of Calcutta	Prof. Dr. Hans Ruppert Geosciences Center Universitaet Goettingen Department of Sedimentology/Environmental Geology Goldschmidts tr. 3 D-37077 Goettingen Germany	2012
(6)On Delta Dynamics	International	University of Calcutta	Prof. Yoshiki SAITO Institute of Geology and Geoinformation (IGG), Geological Survey of Japan (GSJ), AIST. Central 7, Higashi 1-1-1, Tsukuba, Ibaraki, 305-8567, Japan	2012
(7)Styles of magmatism in Indian Shield	National	University of Calcutta	Prof. N. Ghosh, Prof. Saibal Gupta, Prof N.V. Chalapathi Rao	2010
(8)DST- PAC seminar/meeting	National	University of Calcutta	Dr. D.K. Paul, Dr. N. Mondal, Dr.Dr. K. Gopalan,Dr.L. S. Chamyal, Dr. Navin Juyal	2011
(9)Crustal evolution and metallogenesis in the Indian Shield (funded by CU)	National	University of Calcutta	Prof. D. Mukhopadhyay, Dr. A.K. Talapatra, Dr.B.K. Chakraborty	2014

31. Code of ethics for research followed by the departments: - All faculty- members/ research scholars/students of this Department are very ethical to publish their research outputs (however no written notice is given)

Type of programme	Year of initiation of Code	Ethics issues addressed	No. of participants
--	--	--	--

32. Student profile programme-wise:

Name of the Programme (refer to question no. 4)	Applications received (Average: 2010-2014)	Selected (av)		Pass percentage (av)		Year
		Male	Female	Male	Female	
		M.Sc. (Applied Geology)	34	18	16	
Ph.D. (Geology)	24	09	11	56%	60%	2010-2014

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc (Applied Geology)	80%	16%	4%	--
Ph.D. (Geology)	90%	5%	5%	--

34. How many students have cleared competitive examinations (01-01-2010 to 31-12-2014)?

Type of examinations	Number of students
Civil Services	--
Defense Services	--
NET	18
SET	--
GATE	14
CAT/MAT	--
Banking Services	--

35. Student progression:

Student progression		Percentage enrolled
UG to PG		
PG to M.Phil.		
PG to Ph.D.		22%
Ph.D. to Post-Doctoral		05%
Employed		
☐	Campus selection	Employed through campus selection-20-40% Employed through national level advertisement-80-60%
☐	Other than campus recruitment	
Entrepreneurs		--

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	3
from other universities within the State	2
from universities from other States	1
from universities outside the country	1

37. Number of faculty awarded the following degrees during 01-01-2010 to 31-12-2014

Type of Degree	Number of faculty
M.Phil	--
Ph.D	--
D.Sc.	--
D.Litt.	--

38. Present details of departmental infrastructural facilities with regard to

Type of Infrastructure facility	Details (location; purpose of use; beneficiaries)
Library	Students, Research scholars, Teachers, including guest teachers
Internet facilities for staff and students	Yes
Total number of class rooms	4
Class rooms with ICT facility	2
Students' laboratories	4
Research laboratories	7

39. List of doctoral, post-doctoral students and research associates

Research staff	From university/ host institution	From other universities/ institutions
Doctoral students	24	01
Post-doctoral students(including women scientists)	04 (03 from host institution)	01 (from Ethiopia)
Research associates	01	--

40. Number of post-graduate students getting financial assistance from the university:
01

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. Our Department proposes to open up in near future ,M.Sc. (Geophysics), M.Sc (Petroleum Geology) courses and wants to establish more research laboratories equipped with sophisticated instruments--- this proposition is based on students' needs and demand of the society before the upcoming geoscientists

42. Does the department obtain feedback from:

Stakeholder	Regarding teaching staff	Curriculum	Teaching-learning-evaluation	Programs offered	Utilization of feedback
Faculty	(published in peer- reviewed journals)	yes	yes	yes	Incorporated for betterment
Students	(published in peer- reviewed journals)	yes	yes	yes	Incorporated for betterment
Alumni	yes	yes	yes	yes	Incorporated for betterment
Employers	Not applicable		Not applicable		

43. List the distinguished alumni of the department (maximum 10):

Sl. No.	Name
1	Prof. N N Chatterjee
2	Prof. S. Sen
3	Prof. Aniruddha Dey
4	Prof. K. Naha
5	Prof. Subir Ghosh
6	Prof. S. Roy
7	Prof. A. Mukherjee
8	Prof. A.K. Saha
9	Prof. Mihir K.Bose
10	Shri A. B. Dasgupta

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Student Enrichment Programme	Details (location; duration; date of event; funding)
Special lectures	--
Workshops	01 (for details, pls see item-30 above)
Seminar	08 (for details, pls see item-30 above)
Industry visit	Each year, in the month of July(2010-2014) by 3 rd semester Applied Geology students ;funded by CU and students; training location- Bhilai, Kolkata, Ranchi,Jamshedpur, Nagpur
Excursion	Excursion on Environmental Geology, CU funded , each year 2010-2014 (month of July)
Educational tours	Geol. Field work each year January (2010-2014),funded by CU

45. List the teaching methods adopted by the faculty for different programmes.

Sl. No.	Teaching method
1	Black Board teaching
2	LCD supported Audio- visual methods
3	Field work and seminar

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? : through class- tests, seminars, hands-on practical training, Field work, workshops and semester examinations

47. Highlight the participation of students and faculty in extension activities.
The students and faculty- members are actively engaged in teaching and research-related jobs, for details, pls see items-6,9,11,12,13,17,18,19,22,27,28,29&30 above
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48. Give details of “beyond syllabus scholarly activities” of the department. : The Departmental faculty- members/ research scholars/ students have been engaged (2010-2012) in reconstruction of Departmental museums (with an aim to increase awareness related to Geological Sciences among school- children and common-people)

49. State whether the department and/or any of its programmes are accredited/graded by other agencies? If yes, give details. –yes, our Department was accredited /graded 5* and then subsequently A+ (both time highest grades)

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

(i) our enriched faculty in most of the core disciplines of Geological Sciences give basic as well as advanced training to students in relevant fields (ii) our Department is imparting up-to-date knowledge of Geological Sciences to students (iii) our Department provide hands-on-training for field work in different Geological terranes of India (iv) our Department arranges regular arrangement of seminars in the Department and also Earth Science colloquium being presented by the students as a part of their compulsory M.Sc. (App Geology) course (v) our Department arranges M.Sc. thesis dissertation by students on different topics of Geological Sciences and Industrial training being arranged by reputed Industries

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1	Enriched faculty in most of the core disciplines of Geological Sciences	About half of the teaching posts and about two-thirds of the non-teaching posts are vacant since long	To impart more up-to-date knowledge by immediately recruiting fresh teachers/non-teaching support staff	To give our students/Scholars a full-fledged knowledge on different basic & Applied branches of Geological Sciences
2	Imparting up-to-date knowledge of Geological Sciences to students	Teachers of specializations like Remote sensing, Geophysics, Geohydrology, Industrial Geology are not present in the Dept, due to no-recruitment	Our Department propose to open up parallel courses on M.Sc. (Geophysics), M.Sc. (Petroleum Geology)	To open up in near future ,M.Sc. (Geophysics), M.Sc (Petroleum Geology) courses and more research laboratories equipped with sophisticated instruments
3	Hands on training for field work in different Geological terranes of India	Field work grants are very meagre by CU authority	Field-work duration /varieties can be enhanced if more funds are given to this Department by CU	To completely revise our syllabus (M.Sc. Applied Geology) within two years
4	Regular arrangement of seminars in the Department;and Earth Science colloquium being presented by the students as a part of their compulsory M.Sc. (App Geology) course	(i)We are lacking adequate audio-visual supported classrooms (ii) we lack adequate e-journals (iii) we lack sufficient internet facility	More numbers of seminars can be arranged with provision of more funds by CU	To provide 100% placement-opportunity to our willing M.Sc. (Applied Geology) pass-outs
5	M.Sc. thesis dissertation by students on different topics of Geological Sciences and Industrial training being arranged by reputed Industries	Our Department doesn't have effective campus recruitment cell (for employment of our M.Sc pass-outs)	With proper functioning of campus recruitment cell, our Departmental students can be placed in different corporate sectors of repute	Creation of more funds to arrange more frequent Seminars/workshops in the Departments

52. Future plans of the department. – Upon receipt of new teachers in our Department, we propose to open up in near future ,M.Sc. (Geophysics), M.Sc (Petroleum Geology) courses parallel to our existing M,Sc, (Applied Geology) course and creation of more research laboratories equipped with sophisticated instruments