

Name of the Institution: ASSAM UNIVERSITY

REPORT FOR THE YEAR: 2009-10

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Part A:

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

During the year 2009-10 the IQAC has decided to implement and continue with the following programmes for quality enhancement for teaching and learning in the academic departments in both campuses of the University as well as Administrative reforms keeping in view the Peer Team Report. Some of these are:

1. Strengthening of Students Assessment of teachers for both UG and PG through centralized on line mechanism.
2. Introduction of CBCS in PG and UG programmes in the university.
3. Strengthening IPP (Integrated Pre-Ph.D) programme for M.Phil and Ph.D Programme
4. Strengthening fellowship for M.Phil and Ph.D programmes
5. Introduction of new academic programmes
6. Strengthening infrastructure facilities for academic departments.
7. Strengthening ICT enabled teaching, learning and research
8. Strengthening faculty and staff development programme.
9. Strengthening student support services.
10. Strengthening central computer centre, Library, CIL and laboratories.

11. Organisation of various programmes like seminar, conferences, workshops and special lectures.

12. Undertaking Academic and Administrative Audit.

13. Strengthening Industry-University partnership.

The university could achieve qualitative improvement in teaching, learning and administrative work. The introduction of students' feedback on teachers has become a great leap forward towards improvement in teaching. At the same time reforms in Ph.D programmes and introduction of compulsory course work and emphasis given on computerization and use of ICT in teaching, learning and administrative work led to qualitative change in different spheres in the university.

Part B

1. Activities Reflecting The Goals And Objectives Of The Institution:

The genesis and evolution of Assam University prove beyond doubt that it is an ever-expanding centre of advance learning meant for inclusive growth and promotion of multi foliated human values. Its aim may be summed up in Latin "Excelsior" that is, towards creative and intellectual excellence for the sake of our society and nation.

As Assam University is the outcome of the fulfilment of the long standing aspirations of the people, it nurtures a collective dream which is expressed in the objectives of the Assam University (Section II) to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it deem fit and by the example of its corporate life to make provisions for integrated courses in Humanities, Natural and Physical Sciences in the educational programmes of the University, to take appropriate measure for promoting interdisciplinary studies and research studies in the University, to educate and train manpower for development of state of Assam; and to pay special attention to the improvement of the social, economic conditions and welfare of the people of that state, their intellectual, academic and cultural development."

The following measures have been initiated to achieve the goals and objectives of the institution

- (i) To achieve excellence in teaching, the course curriculum has been revised for UG, PG, M.Phil and Ph.D courses with the aim to usher in the latest developments in all the subjects at all levels and CBCS has been introduced in the UG, integrated and PG courses by various departments in the university.
- (ii) To strengthen quality substantially the University has introduced major reforms in course work programmes for both M.Phil and Ph.D. One semester coursework has been made compulsory and the integrated pre-Ph.D course started during the year 2008-09. Efforts

have also been made to collaborate research work with many national and international institutions through MOUs.

- (iii) Strengthened the facility of ICT enabled teaching and provided the best facilities to the students. Use of LCD Projector in teaching has been started by many departments in the university.
- (iv) Computerization of administrative and academic units of the University has been further strengthened.
- (v) 5(five) New Departments have been established under the XI Plan during the year. These are (a) Department of Microbiology (b) Department of Earth Science (c) Department of Library Science (d) Department of Pharmaceutical Sciences (v) Department of Electronics and Telecommunication and 3(three) Centres of Studies (i) Centre for Studies on Soft matters (ii) Centre for studies on Biodiversity & Natural Resource Management (iii) Centre for Endangered languages Manuscriptology & Folkloristics in the main campus. Similarly in the Diphu Campus 2(two) new Department namely Department of Anthropology and Department of Assamese and one Tribal Study Centre have been established.
- (vi) Semester system in affiliated colleges has been introduced as per the latest UGC guidelines in all affiliated colleges.
- (vii) Participatory management system has been strengthened by re-organising existing sections into units and further nomenclature has also been changed.
- (viii) Augmentations of infrastructure for faculty, staff and students have been initiated.
- (ix) The University continue to organise special lectures by eminent experts and also arranged many national and international / conferences / seminars / works on different topics during the year.

2. New Academic Programmes Initiated (UG And PG) :

- (i) Certificate course in Arabic
- (ii) Fast Track course in French
- (iii) Computer applications in Chemistry
- (iv) M.Sc in Computer Science
- (v) PG programme in Applied Geology
- (vi) PG programme in Microbiology
- (vii) PG programme in Library Science

3. Innovations in Curricular Design & Transaction

Designing innovative curricular is a continuous process introduced through Boards of Post Graduate Studies (BPGS) for PG course and Board of Undergraduate Studies (BUGS) for UG courses in various departments. Internal assessment, assignment, seminars and tutorials are undertaken in transacting curricula in all departments. Besides, ICT enabled teaching is encouraged in teaching. Some of the innovations in curricular design and transaction during the year include:

- (i) The department of Ecology and Environmental Science has designed the syllabus for Post Graduate Diploma in Tea Science (PGDTM)

- (ii) The department of Arabic has designed new curriculum for MA programme.
- (iii) The department of Mathematics has designed two (2) new papers of 100 marks each for PG programmes. These are : (a) Discrete Mathematics (M203) (b) Complex Analysis (M303)
- (iv) The department of Microbiology has designed new syllabus for M.Sc. Microbiology.
- (v) The department of law has designed new curricular for B.A. LLB (hons) as per Bar Council guidelines
- (vi) All academic departments designed PG syllabus based on CBCS system.

4. Inter-Disciplinary Programmes Started:

1. Integrated Pre-Ph.D course for M.Phil and Ph.D
2. University level Research Methodology course in Integrated Pre-Ph.D course
3. University level Research Methodology course in Integrated Pre-Ph.D course
4. Courses on nano materials and computer application.

5. Examination Reforms Implemented:

- (i) Examination schedule has been changed as per common national pattern and Choice Based Credit System (CBCS) has been introduced.
- (ii) Total examination system has been computerised
- (iii) The results of university examination have been regularly placed in the university website.
- (iv) Semester examinations introduced in affiliated colleges as per new Semester pattern

6. Candidates Qualified : NET/SLET/GATE Etc.

29 students cleared CSIR-UGC, NET, SET, GATE and other similar competitive examinations.

7. Initiative Towards Faculty Development Programme:

Deputed teachers for attending orientation / refresher courses. 25 faculty members attended orientation / refresher courses during the year. Some faculty members have been granted EOL for undergoing post doctoral research abroad.

8. Total Number Of Seminars / Workshops Conducted:

A total of 8 national conferences and workshop were organised during the year (details in Annexure-I)

9. Research Projects

- a) Newly implemented: 21
- b) Completed: 02

A total of 23 research project ongoing during the year is given in **Annexure II.**

10. Patents Generated, If Any:

04 (details in **Annexure-III**)

11. New Collaborative Research Programmes:

MoUs signed with various institutions

National Level

- Indian Institute of Remote Sensing, Dehradun
- Institute of Genomics and Integrative Biology, New Delhi
- Indian Statistical Institute, Kolkata
- G.B. Pant Institute of Himalayan Environment and Development, Itanagar
- Division of Forestry, North Eastern Regional Institute of Science and Technology, NERIST, Itanagar
- National Bureau of Plant Genetic Resources (N.E. Regional Station, Shillong)
- New collaborative research programmes with Cachar Cancer Hospital and SMCH

12. Research Grants Received From Various Agencies

Out of allocation of UGC for XI plan

Allocation – Rs. 800.00 lakhs

Grant received – Rs. 465.00 lakhs

SAP grant – Rs. 55.14 lakhs

Scholars :

Ph.D: 598

M.Phil: 40

14. Citation Index Of Faculty Members And Impact Factor:

Impact factor of journals in which the university faculty publishes ranges from 0.5 to 10 with various citation indices for individual authors

15. Honours / Awards to the faculty :

Name of the faculty	Name of the department	Name of Award/Fellowship	Conferring agency
Prof. B.K. Dutta	Ecology and Environmental Science	Honary fellowship (FIMS)	Indian Mycological Society, Calcutta University
Dr. J. Rout	Ecology and Environmental Science	Senior Scientist Gold Medal	Association of Biotechnology and Pharmacy
Mr. Raj Kumar Mazinder	Fine Arts	Honorary award in the Sixth North East States exhibition and art award 2009 for painting	Sixth North East States exhibition and Art award 2009 for painting
Dr. M.K. Paul	Chemistry	DST BOYSCAST fellowship	University of Minnesota
Dr. Paritosh Mandal	Chemistry	Fast Tract Scientist	DST
Prof. A.K. Sen	Physics	JSPS (Japan) visiting Scientist award	Indo-Japan (DST-JSPS) co-operative science programme 2010-11

16. Internal Resources Generate:

Rs. 5 lakh generated in the form of development fee

17. Details Of Departments Getting SAP, COSIST (ASSIST)/DST FIST, Etc. Assistance/Recognition:

The department of Ecology and Environmental Science has received Rs. 35.50 during the year.

18. Community Services

Numbers of extension activities are taken up by the various departments like Ecology and Environmental Science, Business Administration, Law.

Some of these activities are:

- Fisherman's training programme
- Community development programme i.e. entrepreneurship development programme
- Legal awareness programme
- Organised solar eclipse camp to popularize science among general people
- Legal awareness on RTI

19. Teachers And Officers Newly Recruited:

83 faculty members and 14 non-teachings appointed during the year.

20. Teaching- Non-Teaching Staff Ratio:

1:1.08 (298 teaching and 277 non-teaching staff)

21. Improvements in the Library Services:

The University library has been connected to campus wide optic fibre network of BSNL for Internet services. The library has been provided with on-line access to e-resources under UGC-INFONET Digital Library consortium of INFLIBNET centre for accessing to 5000+ peer reviewed e-journals and data bases.

The university library is kept open from 10.00 am to 5 p.m. on all working days.

22. New Books/Journals Subscribed And Their Value:

The university library at present has a stock of total 1,06,207 books out of which 9351 book, have been acquired during 2009-2010.

There are 346 Indian journals and 86 foreign journals during 2009-2010.

23. Courses in which student assessment of teachers is introduced and the action taken on student feedback :

As per decision of Academic Council the IQAC has started collecting students' feedback as per NAAC format from Academic Session 2008-09. During the year 2009-10 the feedback report covers even and odd semester of the session Jan-July 2009, July-Dec 2009.

The feedback report has been discussed first in the Deans Committee meeting and a copy of the Report is forwarded to each department for sharing the report with faculty members and taking necessary steps in this regard.

All the departments have discussed the report in the Departmental Affairs Committee meeting & sent their Departmental resolutions mentioning the steps initiated in this regard.

24. Unit Cost Of Education

Rs.85,592.05 (including salary component----based on actual expenditure for the year 2009-10).

Rs. 23,892.00 (excluding salary component---- based on actual expenditure for the year 2009-10)

25. Computerization of administration and the process of admissions and examination results, issue of certificates.

- Computerized tabulation for all the courses was fully introduced.
- Results of the candidates in various examinations are placed on the university website.
- Issue of admit card, certificates etc. has been totally computerised.
- Total computerization of finance completed.
- Admission process has been partially computerised.

26. Increase in the infrastructural facilities :

1. Infrastructure development under Xth plan general development scheme (spill over projects) :

(i) Works completed : (i) Construction of Academic Building II (ii) Construction of Student's Community Centre (iii) Construction of 60 bedded Boys' Hostel for School of Technology (SOT)

(ii) Work in progress : Construction of approach road to Boys' Hostel of SOT.

2. Infrastructural development under OBC reservation grant :

(i) Works Completed : (i) Vertical extension of 2nd floor of New Boys' Hostel (ii) Vertical extension of 2nd floor of Computer Science Dept. (iii) Capacity expansion of Academic Building I (iv) Capacity expansion of Academic Building II (v) Vertical extension of 1st floor of Bio Technology Building (vi) Extension of rooms on ground and first floor between Academic Section and P.M.G. Sabakaksha.

(ii) Works in progress : (i) Capacity expansion of Dept. of Business Administration building (ii) Capacity expansion of Dept. of Mathematics and Central Instrumental Laboratory building (iii) Capacity expansion of English & Foreign Language building (iv) Capacity expansion of Administrative building annex (v) Construction of 8 nos. Non-Teaching Quarters (vi) Construction of 10 nos. Teachers Quarters (vii) Construction of Library & Information Science building (viii) Capacity expansion of History, Political Science & Sociology building (ix) Capacity expansion of Economics & Commerce building.

(iii) Works awarded : (i) Construction 2 x 2.5 MVA, 33/11 KV remote controlled dedicated power supply sub-station at Assam University (ii) Construction of 2 x 11/0.4, 500 KVA sub station at Assam University (iii) Construction and extension of four nos. 11 KV feeder lines with proposed 33/11 KV sub station at Assam University.

3. Infrastructure development under XIth plan general development grant :

(i) Works in progress : (i) Construction of Micro-Biology building (ii) Construction of 90 bedded Boys' Hostel (iii) Construction of 100 bedded Girl's Hostel (iv) Construction of Warden's Complex (v) Construction of Education building (vi) Construction of Law building (vii) Construction of Earth Science building.

4. Infrastructural development in Diphu campus

(i) Works completed : (i) Construction of Boundary Wall and Entrance Gate (ii) Construction of Examination building (iii) Construction of Security Barrack

(ii) Work in progress : (i) Construction of Pump House & Boring of Deep Tube well.

27. Technology upgradation

- Laptops continued to be given to all faculty members and officers.
- The Deptt. of Ecology and Environmental Science has developed a well furnished and fully equipped "Remote Sensing & GIS Laboratory" under UGC SAP-PRS grant.
- One sophisticated server & a copier cum printer has been installed in the Department of Mathematics.
- SPSS 17.5 version installed in the department of Commerce and Business Administration.
- Genomics and bio-informatics laboratory has been established providing computer and internet facilities to students in Department of Biotechnology and Life Science.
- CIL procured sophisticated equipments like NMR

28. Computer and internet access and training to teachers and students

Every department has been given LCD projector along with sufficient number of computers besides laptops to all faculty members for technology upgradation and more and more use of ICTs in teaching and learning.

29. Financial aid to students

Students' are provided financial assistance from poor fund under the supervision of Dean, Students welfare. A large number of students received financial aids every year from poor fund. SC & ST students are exempted from payment of hostel room rent as welfare measures for the students of under privileged communities.

30. Activities and support from the Alumni Association

Alumni Association are formed in all the departments. These associations are involved in various academic and welfare activities and contribute to a great extent for the development of the department. Members of the Association get together and interact regularly to identify and felicitate outstanding Alumnus. Efforts have been initiated to form University level Alumni Association.

31. Activities and support from the Parent-Teacher Association:

Frequently the Parent-Teacher meet take place in many department. Regular interaction between parents and teachers does take place in most of the departments and for specific purposes based on academic and administrative needs. It has been decided to form Parent-Teacher Association in all departments.

32. Health Services

During the Xth plan period the university had established a health centre for providing first aid medical services to the teachers, students and staffs. Subsequently during the XI plan the health centre expanded. Very recently the health centre has been upgraded to a hospital. During the XI plan period Rs. 25 lakhs was sanctioned by the UGC for upgradation of the health centre. The health centre has one medical officer, one nurse, one pharmacist, one male and one female

medical attendant, one driver and one peon. One ambulance is provided to the centre for 24 hours services. Medicines mostly of first-aid in nature and four hospital beds are available in the hospital. The medicines are dispensed for a period of 3-5 days depending on the condition of the patient.

33. Performance In Sports Activities:

The sports and physical wing of the university is looked after by the Asstt. Director, Sports and Physical Education, who regularly interacts with students' council office bearers, class/departmental representatives, student NCC cadets etc. It has organized competition, training and coaching of sports and other co-curricular and adventure activities for students and staff. It has also co-ordinated student's participation in Inter University sports tournaments and youth festivals, training camps of NCC, training programmes etc.

Gymnasium in the university has been equipped with sophisticated equipments like multigym, DC motorized treadmill and different single station gym equipments. At present the university has two Gymnasium – one for ladies and one for gents.

During the year the following activities were performed by the Sports, Physical and NCC unit.

- Conducted inter-college selection trials in cricket.
- The university students' team participated in the S.K. Roy Memorial Inter-College Men's Volleyball Tournament conducted during January 2010 at S.S. College, Hailakandi and the team secured 'Best Disciplined Team Trophy'
- Conducted Annual NCC Training Camp at the University during March 2010 for 12 days. 108 students including 12 girl students participated in the camp.
- Two students passed NCC certificate 'C' examination and four students passed NCC 'B' examination conducted under the authority of Ministry of Defence, GOI
- Altogether 10 students participated in NCC National Camps held at Iganagar, Ramkrishnagar and at NIT Silchar respectively.
- 3 students with NCC 'B' and 'C' certificates got placement in Indian Army, Assam and Private Company respectively.
- Co-ordinated the visit of Branch Recruiting Officer (BRO) and Recruitment Doctor of Mizoram, Tripura and Southern Assam Sector; Group Commander NCC Headquarter, Silchar and Commanding Officers of 3rd Assam Bn NCC and 62nd Assam girls Bn NCC during March, 2010. They had given power point presentations and interacted with students on topics relating to job opportunities in the Armed Forces (Army, Airforce and Navy) in various ranks in Medical, Engineering and Non Technical sectors and on incentives for NCC cadets in the field of employment and academics.

34. Incentives to Outstanding Sports Persons:

1. Outstanding sports persons are given special leave in class attendance for participating in different sports in national and regional level.
2. They are given special incentive in the form of awards and certificates.

35. Student Achievements and Awards :

Some of the achievements and awards of the students during the year are :

Sl. No.	Name of the students	Name of the award/fellowship	Department
1	Rajiv Kanta Das	Mahendra Pandya Foundation	Fine Arts
2	Sabita Debnath	Mahendra Pandya Foundation	Fine Arts
3	Rajib Kanta Das	Mahendra Pandya Foundation award for sculpture 2009	Fine Arts
4	Sabita Debnath	-do-	Arts

36. Activities of the Guidance and Counselling Unit:

The university encourages constant interaction between the faculty and the students in both formal and informal modes. The faculty regularly counsel the students about their academic improvements and career opportunities.

The Central Career and Placement Cell of the university advice the students about careers to persue. It also arranges meetings with entrepreneurs to explore placement opportunities for students.

37. Placement Services Provided to Students:

The Career Counselling and Placement Cell (CCPC) has engaged in various recruitment process. The placement data for the year 2009-10 is summarized below:

Sl. No.	Name of the Deptt.	No. of students recruited
1	Dept. of Business Administration	56
2.	Dept. of Social Work	100
3.	Dept. of Computer Science	77
4.	Dept. of MMC	5

38. Development programmes for non-teaching staff:

Many Officers and staff deputed during the year for attending training in different institutes like Institute of Socio-economic Research and Action, New Delhi, Institute of Public Administration, New Delhi, ISTM, New Delhi, National Institute of Financial Management, Faridabad (Haryana) etc. (for details refer Annexure- IV)

39. Healthy practices of the Institution:

- Participatory management in administration continued
- Administrative units decentralised
- Inter-disciplinary approach in teaching and learning
- Integrated Pre-Ph.D course introduced in M.Phil and Ph.D
- Orientation programme for newly admitted students organised by IQAC
- Free laptops given to all faculty members and officers.

- Free internet facilities to all students and research scholars.
- Students feedback system
- Micro Co-ordinators appointed in each department for coordinating NET coaching and remedial classes for SC, ST and OBC students.
- Strict adherence to academic schedule
- Ensuring uniform and objective evaluation of the students through regular Internal assessment, seminar, projects and dissertation
- Collective responsibility in decision making is facilitated through decentralization of administrative mechanism
- Initiative for faculty and non-teaching staff development
- All academic decisions of the University are processed through Board of Post Graduate Studies and Board of Under Graduate Studies at the departmental level; School Board of Studies at the School level ; Board of Research Studies, Academic Council and Executive Council at the University level.
- Students Seminars are conducted regularly in respective departments on selected topics of the concerned subject
- Central Library facilities are available for the students and research scholars in addition to departmental libraries
- Emphasis on ICTs in academic and administrative matters

40. Linkages developed with National / International, Academic / Research bodies

National level

- With IIT Powai
- With NIT Silchar
- With University of Hyderabad
- With CIIL, Mysore
- With Language Division, Kolkata
- With TISS, Kumpu University
- With Indian Institute of Remote Sensing, Dehradun
- With Institute of Genomics and Integrative Biology, New Delhi
- Indian Statistical Institute, Kolkata
- G.B. Pant Institute of Himalayan Environment and Development, Itanagar
- Division of Forestry, North Eastern Regional Institute of Science and Technology, NERIST, Itanagar
- Jawaharlal Nehru University, New Delhi
- National Botanical Research Institute, Lucknow

41. Any other relevant information the institution wishes to add

There are 56 colleges both general and professional affiliated and permitted under Assam University. The university has responsibility for monitoring academic progress of all these colleges through different established academic bodies as per statute & ordinances. The IQAC has taken steps to co-ordinate all these institutions for quality enhancement in academic and administrative matters.

The College Development Council of the university looks after the academic affairs of the colleges affiliated under the university.

The IQAC had organised and continue in organising special lectures, workshops and seminars in collaboration with different academic departments in the University.

Part C : PLANS OF THE INSTITUTION FOR THE NEXT YEAR

- Extend aegis of Internal Quality exercise to include all infrastructural, administrative and financial matters.
- Internationalisation of courses and programmes
- Establishment of University Industry Interaction Centre as a statutory body
- Extend the reach of placement services
- Introduction of Choice Based Credit System (CBCS) in different affiliated college under the Assam University in UG programmes
- Use of ICT effectively in all respects for improving efficiency in delivery mechanism and teaching and learning
- Introduction of e-Governance
- Strengthening and widening University Networking System
- Providing training programme for the staff member of the university.
- Student's feedback system as per existing pattern would continue. Efforts would be made for taking feedbacks from other stake holders like parents.
- Introduction of distance education programmes
- Introduction of PBAS for faculty members as per UGC Regulations



Signature of Vice Chancellor
Vice-Chancellor
Assam University
Silchar-788011



Signature of Director, IQAC
DIRECTOR
Internal Quality Assurance Cell
Assam University, Silchar

Annexure – I

1. National Seminar on Biodiversity Conservation 'Forest and Land Resource Management', March 4-5, 2010, under UGC (SAP-DRS), organised by Deptt. of Ecology and Environmental Science.
2. One day workshop on 'Techniques in Biodiversity Research', March 27, 2010, under UGC (SAP-DRS), organised by Dept. of Ecology and Environmental Science.
3. Two days workshop cum training on 'Aquaculture' 25-26 Nov., 2009 jointly organised by the Dept. of Ecology and Environmental Science and Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar.
4. One day seminar on 'Human Rights', 10th Dec. 2009, organised by Deptt. of Law.
5. National Seminar on Indigenous art of North East India, Crisis and Resurgence, Dec. 3-4, 2009, organised by Deptt. of Fine Arts.
6. Two days workshop on 'Terracotta', 1st & 10th Feb., 2010, organised by the Dept. of Fine Arts.

Annexure – II

	Name of the Project	Funding agency	Duration & Name of the Project Investigator	Fund allocated to the project	Department
1.	National vegetation carbon pool Assessment, Dept. of Space	Dept. of Space GOI	2008-2009 Dr. S.C.Garkoti	Rs. 12.43 Lacs	Ecology & Environmental Science
2.	Characterization & utilization of Cyanobacterial Bioresource in Southern Assam, North-East India	DBT, GOI, New Delhi	2008-2010 Dr.J.Rout	Rs. 35.43 lacs	Ecology & Environmental Science
3.	Vegetation Carbon Pool Assessment	Indian Institute of Remote sensing, Dehradun (Department of Space)	2009-10 Prof. Ashesh Kumar Das.	Rs. 4,80 Lacs	Ecology & Environmental Science
4.	Studies on the Diversity and Distribution of soil Micro arthropod fauna of grassland, cultivated fields and subtropical ecosystems of Cachar, Assam.	Ministry of Environment and Forests, New Delhi.	Dr. D.C.Ray (03 Years) 2008-10	Rs. 11,34,760/-	Ecology & Environmental Science
5.	Major Research Project	UGC, New Delhi	2 years (w.e.f. 01.02.09) Prof. G. P. Pandey	Rs. 5,29,200/-	Mass Communication
6.	The art & craft of south Assam with special reference to Pottery, Terracotta & Textile	UGC SAP	5 years Dr. B. Ruma Sharma Sivan G	Rs. 24 lakh	Fine Arts
7.	A Study of the English Teachers' Beliefs About and Practices in Grammar Pedagogy in the Higher Secondary Schools and Junior Colleges in the Cachar District of Assam	UGC	Anindya Syam Choudhury	Rs. 1.28 Lacs	English
8.	Nagamese: The Link Language in North East India	UGC	03 years Ajit Kumar Baishya	Rs. 5,21,100/-	Linguistics
9.	UGC Special Assistance Programme (DRS-I)	University Grants Commission	5 yrs , (Professor G. D. Sharma and Dr. M. Dutta Choudhury)	Rs. 28.5 Lakh	Life Science
10.	DST – FIST	Department of Science & Technology, N. Delhi	5 yrs (Professor G.D.Sharma)		Life Science
11.	Endangered ethnomedicinal plants of Southern Assam with special reference to Phytochemical and germplasm conservation by <i>in vitro</i> and <i>ex situ</i> cultivation	University Grants Commission	3 yrs (Dr. M. Dutta Choudhury) 07-10	Rs. 7,37,339/-	Life Science
12.	Design Synthesis and Physico-chemical characterization studies of isotropic and anisotropic media for enabling high permittivity applications	Naval Research Board	Professor N.V.S. Rao 2008-09	Rs. 15,82,800/-	Chemistry

13.	Biochemical Characterisation and Therapeutic Potentials of Cleome gynandra L (Cleomaceae)	UGC, New Delhi	03 years PI: Dr. S.B. Paul 2009-12	Rs. 11,10,800/-	Chemistry
14.	Dielectric studies on Novel Banana and W-shaped molecules exhibiting Liquid Crystalline behaviour	DST, New Delhi	03 years Dr. M.K. Paul (Co-PI) 09-12	Rs. 10,18,874/-	Chemistry
15.	"Development NE word net"	DIT 09-12	Dr. B. S. Purkayastha	Rs.23,10,000/-	Computer Science
16.	A study on the distorted structure of Porphyrin in metalloporphyrins	DST Govt. of India	3 years (2006-2009), Professor Ramendu Bhattacharjee	Rs. 8.04 lakhs	Physics
17.	Light scattering properties of asteroidal surfaces simulated through Laboratory Experiment.	DOS Govt. of India	4 years, Prof. Asok. K. Sen	Rs. 16 lakhs	Physics
18.	Electronic Structure Calculation of Transition metal Carbides and Nitrides using WIEN2K	DST Govt. of India	3 years (2008-2011), Dr. B. Indrajit Sharma	Rs. 300000/-	Physics
19.	Acute and Chronic toxicity of selected pesticides fish and amphibian tadpoles in Barak Valley, Assam	UGC	3 years Dr. Abhik Gupta	Rs. 9,29,300	Ecology & Environmental Science
20.	An Analytical Study of Novels and Short Stories of Nobel Laureate Najib Mahfowz (Minor Research Project)	UGC	Dr. M. Rahman 2010 18 months	Rs.1 lakh	Arabic
21.	Development of a Framework for Logging and Analysis of Network Traffic to Secure IT Infrastructure	DIT, Ministry of Communication & IT, GOI	2 years 08-10 Dr. S. Roy	Rs. 45.50 lakhs	Information Technology
Completed					
22.	Problems and Prospects of Development in the Border Areas of Northeast India: Implications for Thirteenth Finance Commission	13 th Finance Commission, Government of India	3 Months/ Professor Keya Sengupta & Mr. Raju Mandal	Rs. 69,575	Economics
23.	Socio-economic Survey of Barak Valley ---- Tipaimukh Hydro-electric Project	North Eastern Electric Power Corporation Limited (NEEPCO)	8 months/ Dr. Niranjana Roy	Rs. 2.24 lakhs	Economics

Annexure – III

Patents generated

<u>Dept.</u>	<u>Name of the patent</u>
Microbiology	* Catalytic oxidation process for efficient pretreatment of various biomass for biofuels production Japan (March 2009)
	* Microwave irradiation device & method of manufacturing glycocomponent from plant materials wo/2010/013696 PCT/JP2009/063398
	* Process for production of high yield of biobutanol, wo/2009/087680PCT/ IN2008/000864

Information Technology – Dr. R.K. Paul

- * Algorithm for computing guard zone of a three dimensional simple solid object, that finds application in designing 3-D integrated circuits, accepted for patenting, 2010

Annexure – IV

Training Programme Non-teaching staff July, 2009 to June, 2010

Sl. No.	Name & Designation	Date of training	Organisation
1	Ms. Suchismita Sinha, STA	25-11-09 to 27-11-2009	Centre for Development of Advanced Computing, Kolkata
2	Sh. Monoj Krishna Dutta, Deputy Registrar, SC/ST Cell Sh. Subhadeep Dhar, Assistant Registrar (Estate)	01-03-10 to 05-03-2010	National University of Educational Planning & Administration, New Delhi
3	Sh. Dibakar Kanunjna, Finance Officer	15-03-10 to 16-03-2010	EDU-2010: India Higher Education Conclave, Delhi
4	Sh. Joydip Choudhury, Steno Sh. Partha Sarathi Bhattacharjee, Steno	11-02-10 to 13-02-2010	ITPR, New Delhi
5	Sh. Abdul Jalil, Assistant Sh. Subrata Sinha, UDC Sh. Anupam Choudhury, UDC	09-07-2009	ISERA, New Delhi
6	Sh. Dipak Kumar Dey, Asstt. Smt. Ruma Dey, UDC	05-11-09 to 07-1-2009	Institute of Socio- Economic Research & Action, New Delhi
7	Sh. Niharendu Dhar, S.O (F) Smt. Ila Das, S.O	10-05-10 to 14-05-2010	National Institute of Financial Management, Faridabad (Haryana)
8	Sh. Aabul Hassan Choudhury, Assistant Registrar Sh. Samar Ch. Seal Sharma, S.O	03-11-09 to 06-11-2009	UGC Academic Staff College Jawaharlal Nehru University, New Delhi
9	Sh. Subhadeep Dhar, Assistant Registrar Sh. Debasish Chakraborty	06-08-2009	Centre for Training & Social Research, New Delhi
10	Sh. Angshuman Dutta, S.O i/c Smt. Bhairabi Choudhury, Assistant Sh. Partha Sarathi Das, UDC Sh. Anup Kumar Verma, UDC	02-11-09 to 07-11-2009	UGC Academic Staff College, University of Hyderabad