

Name of the Institution: ASSAM UNIVERSITY

REPORT FOR THE YEAR: 2010-11

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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 2010-2011, the IQAC was upgraded to a Directorate and re-christened Directorate of Internal Quality Assurance (DIQA). This was necessitated by the increase in the quantum of workload for the IQAC of the University following a growing importance of Quality Enhancement initiative in teaching, learning and research and also the implementation of PBAS-based API for faculty members as per UGC Regulations, 2010. The structure of the Directorate of Internal Quality Assurance (DIQA) is as follows:

1. **Quality Assurance Unit:** This unit will be responsible for NAAC accreditation, implementation of quality assurance criteria, midterm term review, academic matters, organising student's feedback, and feedback from other stakeholders, coordination with all academic and administrative departments, ICT implementation, organising different programmes, conducting audit, etc.
2. **Planning and Development Unit:** This Unit will be responsible for the preparation of plan documents, perspective planning for the growth of academics and administration in

the University. The Planning and Development Unit will also be responsible for documentation. This Unit will maintain statistics relating to all aspects of academics and administration. It will maintain records of PBAS of faculty members (both hard and soft copies). The Unit will be responsible for the preparation of Annual Reports, AQAR and other reports.

3. **Academic Coordination Unit:** This Unit will be responsible for maintaining service matters of teachers, terms and conditions relating to service, regulating service books, pension and retirement benefits, re-employment and similar matters under the Act/Statutes.

Some of the programmes initiated and implemented by the DIQA for its avowed aim of quality enhancement and sustenance for teaching and learning and administrative reforms in both campuses of the University are as follows:

1. The Directorate of Internal Quality Assurance (DIQA) initiated and implemented the process of internal academic audit of all the academic departments of the University in the session on 2010-2011 in two phases: Phase I by Internal Audit Team and Phase II by External Experts..
2. The University has similarly made an ambitious plan to include 78 departments & 175 centres of study in the university ordinance, keeping options for future academic expansion.
3. The University has already identified 50 potential centres of study for inclusion in the XIIth Plan document for consideration by the University Grants Commission, New Delhi.
4. Strengthening of Optical Fibre – based campus network in all academic buildings.
5. Introduction of E-Governance and digitalisation in all the academic departments and administrative blocks of the University.
6. Strengthening of the CBCS in PG and UG programmes in the University.
7. Strengthening of ICT enabled teaching, learning, research and administration.
8. Strengthening further the IPP (Integrated Pre-PhD) programme for M.Phil & Ph.D by focusing on interdisciplinary in research .
9. Strengthening of student support Services.
10. Strengthening infrastructure facilities for academic departments.
11. Organisation of various programmes like seminar, conference, work shops, special and invited Lectures.
12. Strengthening Academic & Administrative Audit evaluation process
13. Strengthening Industry – University partnership.

The University could achieve qualitative improvement in teaching, learning & administrative work. The introduction of centralized system of collecting students feedback on teachers has become a great reap forward towards improvement in teaching. At the same time reforms in Ph.D. programmes and introduction of compulsory come work & emphasis given on computerization & use of ICT in teaching, learning & 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 (Choice Based Credit System) 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. Smart Class projector have been installed in class room lectures.
- (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 started functioning fully 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 Departments namely Department of Anthropology and Department of Assamese and one Tribal Study Centre have been established and also started functioning fully.
- (vi) Semester system in all the affiliated colleges has been introduced fully 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) Bachelor in Pharmacology
- ii) B.Tech in Electronics and Telecommunications
- iii) P.G. in Anthropology
- iv) P.G. in Assamese.
- v) P.G. in Applied Geology
- vi) P.G. in Microbiology
- vii) P.G. in Library Science
- viii) Certificate course in Educational Planning & Management.

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 Pharmaceutical Science has designed the syllabus for B. Pharma.
- (ii) The department of Electronics and Telecommunication has designed the syllabus for B. Tech.
- (iii) The department of Earth Science has framed the syllabus for M.Sc. in applied Geology
- (iv) The department of Anthropology has framed the syllabus for M.Sc. in Anthropology
- (v) All academic departments designed PG syllabus based on CBCS (Choice Based Credit System) system.

4. Inter-Disciplinary Programmes Started:

- (i). Courses on nano materials and computer application.
- (ii) Integrated Pre-Ph.D course for M.Phil & Ph.D.
- (iii) University level Research Methodology course in Integrated Pre-Ph.D.

5. Examination Reforms Implemented:

- (i) Examination schedule has been changed as per common national pattern and choice Based credit system (CBSC) has been introduced.
- (ii) Total examination system has been computerized and made functioning.
- (iii) The results of all the university examination like UG & PG have been regularly placed in the university website often publication of the result.
- (iv) Semester examinations introduced fully in all affiliated colleges as per new Semester pattern.

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

76 students cleared CSIR –UGC, NET, SET, GATE & other similar competitive examinations.

7. Initiative Towards Faculty Development Programme:

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

8. Total Number of Seminars / Workshops Conducted:

A total of 17 Nos. of national Seminar/ Conferences & workshop were organized during the year. (details in Annexure –I)

9. Research Projects

- a) Newly implemented/ongoing : 42
- b) Completed: 2

A total of 42 Research projects 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 Genomic & 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 for Ph.D and M.Phil programmes.

13. Research scholars :

M.Phil – 43

Ph.D. – 1024

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. G.D. Sharma	Life Science & Bioinformatics	Birbal Sahani Awards	Indian Botanical Society, Kolapur.
Prof. M.Dutta Choudhury	Life Science & Bioinformatics	Common Wealth Fellowship	UGC-UK
Dr. S. K. Panda	Life Science & Bioinformatics	DST BOYSCAST Fellowship	University of California, Riverside, USA

Dr. J.K. Sahu	Agricultural Engineering	DST BOYSCAST fellowship	Virginia Tech, USA
Dr. J.K. Sahu	Agricultural Engineering	Jawaharlal Nehru Award	ICAR, New Delhi
Dr. Subhadeep Roy Choudhury	Life Science & Bioinformatics	Honorary Recognition Award	Slovak University of Agriculture in Nitra, Slovak Republic Europe.
Prof. A.K. Sen	Physics	Indo(DST) Japan (JSPS) Fellowship	DST & JSPS.
Prof. B.K. Dutta	Ecology & Environmental Science	Honorary Recognition Award	Indian Aerobiological Society.

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:

SAP Departments : Bengali, Ecology, Visual Arts, Life Science, Hindi, Philosophy, Physics, Chemistry, Mathematics, Biotechnology

18. Community Services

Numbers of extension activities are taken up by the various departments. Some of these activities are:

- Community development programme i.e. entrepreneurship development programme
- Legal awareness programme
- Legal awareness on RTI

19. Teachers And Officers Newly Recruited:

19 faculty members and 11 non-teachings appointed during the year.

20. Teaching- Non-Teaching Staff Ratio:

1:1.08 (303 teaching and 280 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 8 p.m. on all working days.

22. New Books/Journals Subscribed And Their Value:

The university library at present has a stock of total 1,09,331 books out of which 11,373 book, have been acquired during 2010-2011.

There are 460 Indian journals and 100 foreign journals during 2010-2011.

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

As per decision of Academic Council, the DIQA has started collecting students' feedback as per NAAC format from Academic Session 2008-09 onwards. The third volume of the report covers even and odd semester of the session Jan-July 2010, July-Dec 2010.

The feedback report has been discussed first in the Deans Committee meeting and a copy of the Report is forwarded to each department along with relevant copy to faculty members for 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.86,627.05 (including salary component----based on actual expenditure for the year 2010-11).

Rs. 24,265.00 (excluding salary component---- based on actual expenditure for the year 2010-11)

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 administrative block completed
- Admission process has been partially computerised.

26. Increase in the infrastructural facilities :

1. Infrastructure Development Under Xth Plan General Development Grant

(Spill Over Projects):

(i) **Work Completed:** (i) Construction of student community centre.

(ii) **Work in Progress:** Construction of approach road to SOT Boy's Hostel is in progress and likely to be completed soon.

2. Infrastructural Development Under OBC Reservation Grant:

(i) Buildings projects completed:

1. Vertical extension of Boys' Hostel II

2. Vertical extension of 1st floor of Computer Science Deptt.
3. Horizontal and Vertical extension of Academic Building I including 2nd floor
4. Horizontal and Vertical extension of Academic Building II
5. Vertical extension of 1st floor of Bio- Technology building
6. Capacity expansion of Dept. of Business Administration building
7. Capacity expansion of Dept. of Mathematics and Central Instrumentation Laboratory building
8. Capacity expansion of Dept. of English & Foreign Language building
9. Construction of 8 Nos. Non Teaching Quarters
10. Construction of Library & Information S. building
11. Horizontal and Vertical extension of Social Work dept.
12. Construction of semi-permanent structure on the roof of Physics building
13. Construction of Left & Right Block of Academic Building I
14. Capacity expansion of Administrative building annex
15. Construction of 10 Nos. Teachers Quarters
16. Capacity expansion of History, Pol. Science & Sociology building
17. Capacity expansion of Economics and Commerce building

(ii) Projects in process:

- Construction of 2x 2.5 MVA, 33/11 KV remote controlled dedicated power supply Sub- Station at Assam University
- Construction of 2 x 11/0.4, 500 KVA Sub- Station at Assam University
- Construction and extension of four non 11 KV feeder lines with proposed 33/11 KV Sub- Station at Assam University.

3. Infrastructural Development Under Xth Plan General Development Grant:

(i) Projects completed:

- Construction of Microbiology building
- Construction of Wardens' Complex
- Construction of dept. of Education building
- Construction of dept. of Law building

(ii) Projects in progress:

- Construction of 100 bedded Girls' Hostel
- Construction of 90 bedded Boys' Hostel
- Construction of Day care & Women's Facility Centre

- Construction of Dept. of Earth Science building

(iii) School of Technology

Works completed:

- Construction of Boys' Hostel for School of Technology.

Works In Progress:

- Construction of 60 bedded Girls Hostel.

4. Infrastructural Development in Diphu Campus

Works Completed:

- 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.

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

Every department has been given LCD projectors along with sufficient number of computers besides laptops to all faculty members for technology upgradation and better 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 receive 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. The details of Finance Assistant to students during 2010-11 are provided in Annexure-IV.

30. Activities and support from the Alumni Association

Alumni Associations have been 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:

Parent-Teacher meets take place in many departments on a regular basis. It has been decided to form Parent-Teacher Associations in all academic departments of the university.

32. Health Services

The Health Centre of Assam University was established initially in a temporary structure in the year 1997 with a part time Medical officer. It was shifted to a permanent building having 600.44 sq. meter area with a permanent Medical officer, permanent Nursing staff & a permanent peon on 25th July, 2006. The Health centre includes OPD Room, Dressing Room –Cum-Minor O.T., Male & Female words, Doctors' Quarters etc.

The Health centre of Assam University is basically First Aid Centre. O.P.D hours are from 9 A.M. to 6 P.M. on all working days (6 days in a weak).

Very recently health centre has been upgraded to a Hospital. The health centre has one Medical officer, 2 consultant Medical officer, 1 consultant pharmacist, 1 staff nurse, 1 Male Medical Attendant, 1 Peon (Unskilled daily wages), 1 cleaner. Two ambulances are provided to the centre for 24 hours services. Medicines mostly of first-aid in nature and form hospital beds are available in the hospital. The expenses of health centre for purchasing of medicines & dressing materials have been borne by the University.

33. Performance in Sports Activities:

The Sports & 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 *et al.* It has organized competition, training & coaching of sports and other co-curricular and adventure activities for students & staff. It has also coordinated students' participation in Inter-University sports tournaments and youth festivals, training camps of NCC, training programmes, etc.

The gymnasium in the university has been equipped with sophisticated equipment like multi-gym, DC motorized treadmill and different single station gym equipment. At present, the University has two Gymnasiums – one for ladies & one for men.

During the year, the following activities were performed by the Sports and Physical Unit:

- Organized Inter- College Selection Trials cum coaching in Cricket, Nov. 2010 at DSA, Silchar.
- Organized Inter-college Selection Trials cum coaching in Volley ball, December 2010 at the university.

- Organized a cycle safari on the theme 'Green Drive' covering three districts of Barak Valley in the month of January 2011.
- Conducted combined Annual NCC Training Camp at the university during February 2011 for 12 days. Altogether 166 including 27 girl students participated in the camp.
- Participated in the East Zone Inter –University Volley ball (men) tournament held at Dhanbad, Jharkhand (January 2011) and qualified upto Pre-Quarter Final Stage.

During 2010-11, one student with NCC 'B' and 'C' certificates got placement in Indian Navy as petty officer.

34. Incentives to Outstanding Sports Persons:

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

35. Student Achievements and Awards :

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

Sl. No.	Name of the students	Name of the award/fellowship	Department
1	Subhagaurav Roy	INSPIRE Fellowship, DST(G'OI)	Fine Arts
2	Ratan Das	SRF Fellowship, CSIR	Physics
3	Simi Talukder	Dr. D.S. Kothari , Post Doctoral Fellowship, UGC	Ecology & Environmental Science
4	Bijoyalaxmi Devi	Dr. D.S. Kothari , Post Doctoral Fellowship, UGC	Ecology & Environmental Science
5	Khiaarujaman Mazumder	UGC merit Scholarship for university Rank holder, UGC	Life Science & Bioinformatics
6	Sanu Sinha	Krishna Kanta	Sanskrit

36. Activities of the Guidance and Counselling Unit:

The university encourages constant interaction between faculty & 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 advises the students about careers to persons. 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 2010-11 is summarized below:

Sl. No.	Name of the Deptt.	No. of students recruited
1	Dept. of Business Administration	47
2.	Dept. of Social Work	08
3.	Dept. of Commerce	02
4.	Dept. of Mass Communication	03
5.	Dept. of Agricultural Engineering	08
6.	Dept. of Mathematics	04
7.	Dept. of Visual Arts	09
8.	Dept. of Law	41
9.	Dept. of Bengali	23
10.	Dept. of Biotechnology	09

38. Development programmes for non-teaching staff:

Many officers & staff were deputed during the year for attending training in Integrated Training & Policy Research (Training Division), New Delhi, Centre for Training & Social Research, New Delhi, ISTM, New Delhi, DELNET and UGC-INFONET Forum at New Delhi., Hindi Translation Training Course, Govt. of India Deptt. of Official Language, Ministry of Home Affairs at Kolkata, etc. (for details refer Annexure- V)

39. Healthy practices of the Institution:

- Academic units decentralized
- Administrative units decentralized.
- Inter-disciplinary approach in teaching & learning.
- Integrated Pre-Ph.D. course fully introduced in M.Phil & Ph.D.
- Orientation programme for newly admitted students organized by IQAC.
- Free Laptops given to all faculty members and officers.
- Inter-disciplinary approach in teaching & learning.
- Students' feedback system.
- Free internet facilities to all students & research scholars.
- Micro Coordinators appointed in each department for Co-ordinating NET coaching & remedial classes for SC, ST & OBC students.
- Strict adherence to academic schedule.

- Ensuring uniform and objective evaluation of the students through regular internal assessment, Seminar, projects & dissertation.
- Collective responsibility in decision making is facilitated through decentralization of administrative mechanism.
- Initiative for faculty & Non-Faculty 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.
- Student Seminars are conducted regularly in respective departments on selected topics of the concerned subject.
- Emphasis on ICTs in academic & administrative matters including smart class.
- Central Library facilities are available for the students & research scholars in addition to departmental libraries.

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

National level

- Division of Microbial Diseases, Eastman Dental Institute, University college of London, UK.
- Visva Bharati, Shantiniketan.
- Rastriya Sanskrit Sansthan, New Delhi.
- Indian Statistical Institute, Kolkata.
- G.B.Pant Institute of Himalayan Environment & Development, Itanagar.
- With Indian Institute of Remote Sensing Dehradun.
- National Botanical Research Institute, Lucknow.
- Jawaharlal Nehru University, New Delhi.
- G.B. Pant Institute of Himalayan Environment & Development, Itanagar.

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 & administrative matters.

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

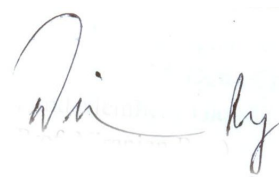
The DIQA has organized & has continued to organize special lectures, workshops and seminars / conference in collaboration with different academic departments in the university.

Part C: Plans of the Institution on for the Next year.

- Extend aegis of Internal Quality exercise to include all infrastructural, administrative and financial matters.
- Strengthening of e-Governance and Digitalisation
- Strengthening & 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 feed backs from other stake holders like prevents.
- Introduction of distance education programmes.
- University- Industry linkage
- Extend the reach of placement Services.
- Use of ICT effectively in all respects for improving efficiency in delivery mechanism & teaching & learning.
- Decentralisation and delegation of administrative services
- Automation and digitalisation of library
- Creation of Institutional repository



Signature of Vice Chancellor



Signature of Director, DIQA

Annexure –I

1. National Seminar on Folk Media & Sustainable Development in the North-East, Feb 17-18,2011 organised by Deptt. of Mass Communication.
2. New Media workshop in collaboration with Lalit Kala Akademi, New Delhi, March 26-30th 2011 organised by Deptt. of Visual Arts.
3. National Seminar on Current Trends in Condensed Matter Physics (CT CMP-2011), Feb 3-5,2011 organised by Deptt. of Physics.
4. Winter School on gravitation & cosmology (WSG's-2011), Feb 5-14, 2011 organised by Deptt. of Physics.
5. National conference on "Recent Advances in Mathematical Sciences & their Applications" RAMSA -10, No. 25-27,2010 organised by Deptt. of Math.
6. Intel teach Programme for Teacher Educator", Deptt. 25-30,2010,organized by Deptt. of Education.
7. Week-long Seminar cum workshop on 'Remote sensing & GIS Applications', Feb 7-13,2011, organized by Deptt. of Ecology & Environment Science.
8. One day workshop on Bamboo cultivation technique, Sep. 18,2010 organised by Deptt. of Ecology & Environment Science.
9. Basic tools in Molecular Biology & Genomics (10 days –DBT sponsored), Dec-7-16, organized by Deptt. of Biology.
10. International conference on Recent Trends in Medicinal & Aromatic plants Research, Dec. 1-5, 2010, organized by Deptt. of Life Science & Bioinformatics.
11. National Seminar on Partition & North East India, March 25-26,2011 organised by Deptt. of Political Science. National Seminar on corporate governance in Fund Houses: A road. Map, Jan- 7-8,2011 organised by Deptt. of Business Administration.
12. One day International Seminar on Higher Education for Sustainability & Livelihood, Dec. 17, 2010 organised by Deptt. of Business Administration.
13. Two days National Seminar on Rabindranath in Translation & Transformation. March 28-29,2011,organized by Deptt. of Bengali.
14. 16 Days National workshop on Manuscriptology & Palacograpy, Feb 3-18, 2011, organized by Deptt. of Bengali.
15. Regional Seminar on Sanskrit Studies, Aug. 24, organized by Deptt. of Sanskrit.
16. National Seminar on Collection Development in Academic, public and Special Libraries & Information centers in Digital Era with special Reference to North Eastern India (NSCD-2011), Feb 10-11, 2011, organized jointly by the Deptt. of Library & Information Science, Assam University, Silchar in Collaboration with Central Reference Library, Kolkata (Sponsored by Ministry of Culture, Govt. of India).
17. Work shop on Intelligent Data Analysis: Theory & Applications, March 1-5, 2011, organized by Deptt. of Information Technology.

Annexure – II

	Name of the Project	Funding agency	Duration & Name of the Project Investigator	Fund allocated to the project	Department
1.	Effectiveness of Traditional Folk Media in Tea Gardens of Assam : A Study of three Tea Gardens of Barak Valley in Southern Assam	UGC	18 Months, Dr Partha Sarkar, Asst.Professor	1,40,0000	Mass Communication
2.	SAP	UGC	5 years 'Indigenous art and craft of South Assam with special reference to Pottery, Terracotta and Textile'	SAP	Visual Arts
3.	Electronic Structure Calculation of Transition metal Carbides and Nitrides using WIEN2K	DST, Govt. of India	2008-2011 PI: Dr. B. I. Sharma	3 lakhs	Physics
4.	A study of Warm Inflationary scenario in String Cosmology	DAE (2009/37/24/BRNS)	2009-2012 PI: Dr. Atri Deshamukhya	10 lakhs	Physics
5.	Cometary Grains: observations and simulations'	DST- Indo French Center (CEFIPRA)	2011-2014 PI: Prof. Asoke Kr Sen	56 lacs	Physics
6.	Study of astrophysical dust in Star forming regions, Interstellar medium and Planetary bodies	Department of Science and Technology DST/INT/JSPS/P-92/2010 dated 04/06/2010 Collaboration with Kobe Univ., Japan	2010-2013	10 lacs	Physics
7.	Modeling of MHD flow of blood in stenosed arteries with velocity slip	UGC, New Delhi	Three Years 01-02-2011 to 01-02-2014	Rs. 6.87,800/- PI; Prof. D Biswas Co-PI: Dr. U S Chakraborty	Mathematics
8.	Education of the Children of Tea Garden Workers of Assam: An Exploratory Study	NCRI, MHRD, Hyderabad	2008 to continuing Prof. N.B. Biswas & Dr. T. K.Basantia	Rs. 7 lakhs	Educational Science

9.	Characterization and utilization of cyanobacterial bioresources in Southern Assam, Northeast India	DBT, New Delhi	(2008-2011) Dr. Jayashree Rout	35.43 lakhs	Environmental Science
10.	Assessment of vegetation	IIRS, Dehradun	(2008-2011) Prof. Ashesh Kumar Das (PI) Dr. A.J. Nath (Co-PI)	6.42 lakhs	Environmental Science
11.	Studies on the diversity and distribution of soil micro arthropod fauna of grassland, cultivated fields in sub-tropical ecosystems of Cachar, Assam	MoEF, New Delhi	(2009-2011) Dr. D.C. Ray	11.35 lakhs	Environmental Science
12.	Ecological studies on the Chatla wetland in Barak Valley, Assam	UGC, New Delhi	(2009-2012) Dr. Susmita Gupta	8.90 lakhs	Environmental Science
13.	Acute and chronic toxicity of selected pesticides on fish and amphibian tadpoles in Barak Valley, Assam	UGC, New Delhi	(2010-2013) Prof. Abhik Gupta	9.29 lakhs	Environmental Science
14.	A comparative study on diversity and habitat ecology of Anurans from different ecosystems in Barak Valley, Assam, India	UGC, New Delhi	(2011-2014) Dr. Mithra Dey	10.42 lakhs	Environmental Science
15.	Tree diversity and ecology in traditional homegardens of Barak Valley, northeast India using Remote Sensing and GIS	DST, New Delhi	(2009-12) Dr. Tapati Das PI, DST, WOS-A	15.66 lakhs	Environmental Science
16.	Habitat Mapping of Mahseer fishes and development of Spatial database for North Eastern Aquatic diversity	MoEF	Prof. D. Kar	Rs 10.00 LACS	Life Science & Bioinformatics
17.	Phytochemical screening and insilico analysis of some	UGC	Dr. M. Dutta Choudhury	Rs. 7.56 LACS	Life Science & Bioinformatics

	ethnomedicinal plants of Southern Assam				
18.	Molecular cloning and functional analysis of Na ⁺ /H ⁺ antiporter gene in cowpea	DBT	Dr.S.K.Panda	Rs. 44.80 LACS	Life Science & Bioinformatics
19.	Investigation on the genotoxic and tumorigenic potential of two important metabolites of Arecoline – the major areca nut alkaloid	DST	Dr. Sarbani Giri	Rs. 8.88 LACS	Life Science & Bioinformatics
20.	Comparative Genomics and Gene function analysis	DST Indo Japan	Dr.S.K.Panda	Rs. 10.50 LACS	Life Science & Bioinformatics
21.	Aminoacid polymorphism in the conserved motifs of HMA proteins and Heavy metal tolerance in plants.	DST & JSPS	Dr. S. K. Panda	Rs. 10.40 LACS	Life Science & Bioinformatics
22.	Isolation, Identification, Characterization and Bioactivity assay of anti diabetic Drug leads from few selected Medicinal Plants of North East India. : Voyage for Cure of Diabetes.	DBT	Dr. M. Dutta Choudhury	Rs. 1.1 CRORE	Life Science & Bioinformatics
23.	Generation of transgenic Blackgram for Aluminium tolerance in acidic soil	DBT	Dr. S. K. Panda	Rs. 2.10 crores	Life Science & Bioinformatics
24.	Functional studies of a group 4 lea gene in <i>Brassica juncea</i> for abiotic stress tolerance	CSIR Project	Dr.S. K. Panda	Rs. 20.0 Lakhs	Life Science & Bioinformatics
25.	Evaluation of Antagonistic fluorescent Pseudomonad bacteria for the disease management in North East Region	DBT	Prof. G.D.Sharma	Rs. 70 Lakhs	Life Science & Bioinformatics
26.	MED-89 on	DBT	5 years	Approx 89	Biotechnology

	“Hospital based ‘Cancer Genomics and Immunology’ with Cachar Cancer Hospital and Research Centre		PI- Prof S K Ghosh	lakh	
27.	DBT-JNU-Twining on “Methanogenomics” with JNU, Dew Delhi	DBT	3 years PI- Prof S K Ghosh	Approx 39 lakh	Biotechnology
28.	DBT-36.25 on “Molecular characterization of genetic diversity of N ₂ -fixing Rhizobia of wild and cultivated legumes of Assam and Manipur”	CSIR Project	3 years PI – Dr. P.B. Mazumder	Rs. 36.25 lakh	Biotechnology
29.	DBT-128 on “Teaching, Training (Genes and Genomics) and Resaerch (DNA barcoding on Fish)”	DBT	5 years PI- Prof S K Ghosh, Co-PI- Dr. PB Mazumder Dr. M Sengupta	Rs. 128 lakh	Biotechnology
30.	UGC-Major Research Project: Restructuring the Past: The Nineteenth and Early Twentieth Century Assamese Historiography	UGC	Sudeshna Purkayastha	Rs. 3, 04,600	History
31.	1. Impact Evaluation of Integrated Scheme on Women Empowerment being implemented in the North eastern states of India.	The Central Social Welfare Board, New Delhi.	3 months, Dr. M. Tineshowri Devi	Rs. 81,000/-	Social Work
32.	2. Evaluation study on Indira Awas Yojana (IAY) in North East Region	Planning Commission, New Delhi,	6 months, Dr. S. Dutta (Regional Coordinator)	No Direct Fund. It was incurred by Delhi University.	Social Work
33.	Poverty-Environment Linkage: A Case Study of the Lakhipur Sub-Division of Cachar, Assam.	Indian Council for Social Science Research (ICSSR)	2010-2012; Dr. Alok Sen	Rs. 3,98,825/-	Economics
34.	Options for the resolution of cultural	IGNOU	1 Year : Prof. Bela Das.	Rs.65,000.00	Bengali

	conflict in Assam				
35.	Folk Deities of Barak Valley.	ICHR	2 Years: Dr. Rama Kanta Das.	Rs. 50,000.00	Bengali
36.	Socio Cultural Analysis of Manasa Worship in Barak Valley	UGC	1 year 6 months: Dr. Bubul Sarma.	Rs. 80,000.00	Bengali
37.	Cultural Status of Tea Tribes: Southern Assam & Tripura Experience	(UGC MRP)	10 th June 2008 – 6 th June 2010. R.P. Biswas	Rs. 0.80 Lacs	English
38.	A Study of the English Teachers' Beliefs about and Practices in Grammar Pedagogy in Higher Secondary Schools and Junior Colleges of the Cachar District of Assam	UGC Minor Research Project (ongoing)	February 2009 – August 2010. Anindya Syam Choudhury	Rs. 1.28 Lacs	English
39.	A Study of the Effects of Washback of English Language Testing on Teaching and Learning English at the Undergraduate Level in Colleges under Assam University	Central Institute of Indian Languages, Mysore (ongoing)	March 2010 – August 2010. Anindya Syam Choudhury	Rs. 0.99 Lacs	English
40.	Process Technology for Production of Bamboo Shoot-based Nuggets	UGC, New Delhi	2yrs, Dr. J. K. Sahu	Rs. 11.192 Lacs	Agricultural Engineering
41.	Production of Dried Honey Powder using Vacuum Puffing Technique	MOFPI, New Delhi	3yrs, Dr. J. K. Sahu	Rs. 24.75 Lacs	Agricultural Engineering
42.	Development of framework for Logging and Analysis of Network Traffic for Securing Network Infrastructure.	Department of IT, Ministry of Communication & Information Technology, GOI	Two years Sudipta Roy & Mousum Handique.	Rs. 45.5 lacks	Information Technology

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.
	* 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

Financial Assistance to Students

The following fellowships were provided to the students during the financial year 2010-11.

- 1) Maulana Azad National fellowship @ Rs. 16,000/- p.m.
- 2) CSIR Fellowship @ Rs. 16,000/- p.m.
- 3) JRF @ Rs. 12,000/- p.m.
- 4) INSPIRE fellowship by DST, Govt. of India @ Rs. 16,000/- p.m.
- 5) ICSSR Post Doctoral Fellowship @Rs.12,000/- p.m
- 6) Meritorious Fellowship for PG Students @Rs.14,000/- p.m
- 7) Dr. DS Kotari Post Doctoral Fellowship, UGC @Rs.28,000/- p.m
- 8) UGC fellowship for Ph.D Students (non JRF) @ Rs. 5,000/- p.m.
- 9) UGC fellowship for M.Phil @Rs.3,000/- p.m
- 10) Rajib Gandhi fellowship for Ph.d/M.Phil Students (for SC/ST) @ Rs.14,000/- p.m

Contingency Grant is also provided to M.Phil. and Ph.D. Students @ Rs. 6/- p.m. for other than Science stream and @ Rs. 833/- p.m. for Science stream students.

During the year 2010-11 the following numbers of Fellowship / Financial Assistance have been provided to the students:

Sl. No.	Name of fellowship	No. of fellowship
1.	Maulana Azad National fellowship	12
2.	CSIR Fellowship	03
3.	JRF	10
4.	INSPIRE fellowship	04
5.	ICSSR Post Doctoral Fellowship	03
6.	Meritorious Fellowship for PG Students	04
7.	Dr. DS Kotari Post Doctoral Fellowship	02
8.	UGC fellowship for Ph.D Students (non JRF)	590
9.	UGC fellowship for M.Phil	20
10	Rajib Gandhi fellowship for Ph.d/M.Phil Students	20
	Total	668

Annexure – V

Training Programme Non-teaching staff July, 2010 to June, 2011

Sl.No	Name & designation	Date of Training	Organizer
1	a) Shri Swagata Das, Steno-III b) Shri. Supratim Choudhury, Steno-III	29-31 July 2010	Integrated Training & policy Research (Training Division), New Delh
2	a) Shri. Subhadeep Dhar, Asstt. Registrar b) Shri. Debasish Chakraborty, Section Officer	5-7 August 2010	Centre for Training & Social Research, New Delhi
	Shri. Dipak Kumar Dey, Assistant	16-18 August 2010	Govt. of India ISTM, New Delhi
3	a) Shri Kanu Dhar, Peon b) Shri Mrityunjay Ray, Peon c) Shri Sailesh Ch.Das, Peon	25-27 August 2010	Integrated Training & policy Research (Training Division), New Delhi
4	a) Shri Joynand Barman, Peon b) Shri. Niranjana Das, Peon c) Shri Shymal Kumar Barman, Cleaner	25-27 August 2010	Integrated Training & policy Research (Training Division), New Delhi
5	a) Shri. Babu Sing Teron, UDC b) Shri. Prashanta Kumar Das, UDC	18-20 August 2010	Integrated Training & policy Research (Training Division), New Delhi
6	Shri Abdul Hassan Choudhury, Asstt. Registrar	15-17 December 2010	National Conference on Examination reform in Higher Education Total Quality Management System (TQMS), Christ University, Bangalore
7	a) Shri. Dibakar Kanunjna, F.O. b) Shri. Subhadeep Dhar, A/R	29 –30 November 2010	4 th CII Global Summit on Skill Development 2010: Innovative Partnership, Mumbai
8	a) Dr. Modan Singh Rana , Librarian b) Smt. Sumana Chakraborty Sarmah, Dy. Librarian	29.4.2011 & 2.5.2011	DELNET and UGC-INFONET Forum at New delhi.
9	a) Shri. Anup Kumar Verma, UDC b) Shri. Rantu Malakar UDC	10.01.2011	All India Rajbhasa Conference Panaji Goa. (MHRD, Higher Education)
10	Shri Prithvi Raj Goala LDC Finance	1/4/2011 to 30/6/2011	Hindi Translation Training Course, Govt. of India Deptt. of official Language Ministry of Home affair at Kolkata