

VIDYASAGAR UNIVERSITY



Midnapore -721 102, West Bengal

The Annual Quality Assurance Report

(AQAR)

2010-2011

of

Internal Quality Assurance Cell (IQAC)

Submitted

to

The National Assessment and

Accreditation Council

1. The details of the Institution

Year of Establishment of the Institution : 1981
Address Line 1 : Vidyasagar University P.O
Address Line 2 : Tantigeria, Vidyasagar University Road
City/Town : Midnapore
State : West Bengal
Postal Code : 721 102
Email Address : vidya295@mail.vidyasagar.ac.in

2. NAAC Accreditation/ Reaccreditation Details

Year of Accreditation/ Reaccreditation : 2009
Current Grade : 'B' with effect from 29.01.2009
CGPA : 2.81 on four point scale.

3. Institutional Status : State University

4. Contact Person Details

Name of the Institution : **VIDYASAGAR UNIVERSITY**
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Year of Report: 2010-2011

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.

The overall plans for enhancement of the quality during 2010-2011 are mentioned below:

1. To encourage faculty members to generate resource by way of submitting research projects and undertaking consultancy and extension activities.
2. To modernize library facilities by allocating more funds for acquiring new books and journals including e-journals.
3. To enhance students amenities and facilities and to encourage students to involve in NSS and other social activities.
4. To upgrade technology and computerization of different sections.
5. To improve the quality of teaching, research and students evaluation. This involves filling up of the vacant position, improvement of infrastructure, including construction of new building, enhancing laboratory facilities and maintaining the academic calendar and publishing result in time.
6. To open culture clubs viz. drama, dance and music clubs.
7. To introduce the following PG courses: M.A. in Hindi and M.Sc. in Nutrition & Dietetics.
8. To extend affiliation to UG Colleges for starting PG courses.
9. To extend affiliation for running different PG courses like MBA, MCA, etc. under Distance Learning mode.
10. To extend affiliation to new Degree Colleges to start General UG courses.
11. To complete construction of new buildings like Silver Jubilee Building, Second Ladies' Hostel, etc.
12. To expedite the completion of construction of University Auditorium.
13. To continue construction of Boundary Wall of 2nd campus of the University.
14. To expedite the completion of installation of deep tube well for the 2nd Campus.
15. To continue construction of 4th Floor of Central Library Building.
16. To take more initiative for campus placement.

Part – B

1. **Activities reflecting the goals and objectives of the institution.**
 - i) Following Post-Graduate courses have been introduced during the year:
 - M.A. in Hindi
 - M.Sc. in Nutrition & Dietetics.

- ii) Following affiliations have been granted to different Under-Graduate Colleges to run various Under-Graduate courses:
 - Deshapran Mahavidyalaya, Marishda, Purba Medinipur to run general degree courses;
 - Rabindra Bharati mahavidyalaya, Kolaghat, Purba Medinipur to run general degree courses.
- iii) Following affiliations have been granted to different Under-Graduate Colleges to run B. Ed. course:
 - Nandanpur Secondary Teachers' Training Institute, Nandanpur, Ghatal, Paschim Medinipur;
 - Midnapur Institute of Education, Rangamati, Midnapur, Paschim Medinipur;
 - Ratulia Secondary Teachers' Training Institute, Purba Medinipur.
- iv) Following affiliations have been granted to different Under-Graduate Colleges to run various Post-Graduate courses:
 - Institute of Engineering and Management, Salt Lake, Kolkata, to run regular MBA course as 'Off-Campus' programme;
 - Camellia Group to run M.Sc. in Bio-Chemistry and M.Sc. in Computer Science
 - Haldia Law College, Haldia, Purba Medinipur to run LL.M. course
- v) Affiliation has been granted to Paramedical College, Durgapur to run BMLT course.
- vi) Affiliation has been granted to Institute of Engineering and Management, Salt Lake, Kolkata, to run MCA course under Distance Learning mode.
- vii) Four (04) Visiting Professors / Visiting Fellows were appointed by the University in different Departments.
- viii) Nine (09) Extension Lectures were organized during the year by different Departments inviting eminent personalities to deliver lectures.
- ix) Four (04) teachers of the University attended Conferences / Seminars abroad.
 - x) Twenty two (22) Teachers and Four (04) Officers of the University attended National and International Workshops / Seminars / Conferences held in India being funded by University out of UGC Unassigned Grant. A number of teachers attended National and International Workshops / Seminars / Conferences held in India without having such funding assistance.
 - xi) Twenty three (23) National Workshops / Seminars / Conferences were organized by different Departments being funded by the University out of UGC Unassigned Grant.
- xii) A book entitled "Mujaffar Ahmed and the Indian Communist Movement" edited by Shri Shakti Pada Pal has been published by the University out of UGC Unassigned Grant.
- xiii) Research and Developments:
 - a) Faculty members of various academic Departments are actively engaged in various Research Projects funded by the following agencies: D.B.T., D.S.T., G.O.I., C.S.I.R., U.G.C., D.R.D.O., etc.
 - b) Prof. Debidas Ghosh, Dept. of Bio-Medical Laboratory Science and Management was invited by the Govt. of Tanzania for collaborative research.
 - c) Prof. Somenath Roy, Dept. of Human Physiology with Community Health has been conducting research work with National Centre for Cell Science.
- xiv) The NSS wing organized various programs like AIDS awareness, health awareness, immunization campaign, etc. in order to make people aware of real life problems.

xv) Development Activities – Construction of Buildings and Infrastructures:

- a) Following Construction activities have been completed:
 - Second Ladies Hostel out of UGC fund;
 - Part of Silver Jubilee Bhavan;
 - Black top road in the University campus;
 - Installation of Deep Tube Well in the University's second campus.
- b) Following construction activities have been in progress:
 - University Auditorium (of 1,000 sitting capacity);
 - Second floor of Humanities Building;
 - Boundary wall of second campus of the university;
 - Fourth floor of the Central Library building

2. New academic programmes initiated (UG & PG)

i) Post-Graduate courses:

- a) Several new Post-Graduate programmes have been initiated as mentioned below:
 - M.A. in Hindi
 - M.Sc. in Nutrition & Dietetics.
- b) PG courses have been opened in the following affiliated UG colleges:
 - Midnapore College: Physics and Chemistry;
 - Jhargram Raj College: Bengali, Chemistry, Zoology;
 - Kharagpur College: Bengali;
 - Tamralipta Mahavidyalaya: Bengali;
 - Raja Narendra Lal Khan Women's College: Zoology;
 - Rabindra Satabarshiki Mahavidyalaya: Bengali, Sanskrit;
 - Panskura Banamali College: Chemistry, Computer Science.
- c) Two new specializations viz. Pharmaceutical Marketing Management and Pharmaceutical Industry Management, have been introduced in MBA course.
- d) Regular MBA course has been offered as Off-campus course at Institute of Engineering and Management, Salt Lake, Kolkata.
- e) M.Sc. courses in Bio-Chemistry and Computer Science have been offered as affiliated course at Camellia group.
- f) LL. M. course has been offered as affiliated course at Haldia Law College.

ii) Under-Graduate courses:

- a) Two general degree colleges - Deshapran Mahavidyalaya, Marishda, Purba Medinipur and Rabindra Bharati mahavidyalaya, Kolaghat, Purba Medinipur – have been affiliated under Vidyasagar University.
- b) Following three B.Ed. colleges have been affiliated under Vidyasagar University:
 - Nandanpur Secondary Teachers' Training Institute, Nandanpur, ghatal, Paschim Medinipur;
 - Midnapur Institute of Education, Rangamati, Midnapur, Paschim Medinipur;
 - Ratulia Secondary Teachers' Training Institute, Purba Medinipur.
- c) BMLT course has been offered as affiliated course at Paramedical College, Durgapur.

3. Innovations in Curricular design and transaction

- i) Semester system of examination along with internal assessment has been introduced in rest of the Departments which could not do so in the previous year.
- ii) Ph.D. course work is introduced.

4. Inter-Disciplinary programmes started

- i) M.Sc. courses in Bio-Chemistry and Computer Science have been offered as affiliated courses at Camellia group.
- ii) LL. M. course has been offered as affiliated course at Haldia Law College.
- iii) BMLT course has been offered as affiliated course at Paramedical College Durgapur.

5. Examination reforms implemented

Internal assessment system has been introduced in both UG and PG courses. At UG level 10% and at PG level 20% marks have been allotted in each paper for internal assessment.

6. Candidates qualified: NET/SET/ GATE etc.

NET	SET	GATE
74	40	29

7. Initiatives towards faculty development Programmes

- i) Computer literacy / awareness programme conducted by the computer centre:

No. of courses conducted	No. of faculty members covered
01	42

- ii) UGC sponsored Refresher / Orientation courses attended:

Junior faculty members are regularly attending Refresher / Orientation courses organized by various universities.

8. Total number of seminars / workshops conducted

25 seminar / symposia / workshops have been organized by the following Departments: Bengali, Commerce with Farm Management (2), Business Administration, Economics with Rural Development, English, History, Library and Information Science, Philosophy and the Life World, Political Science with Rural Administration, Santali (3), Sociology, Applied Mathematics with Oceanology and Computer Programming, Bio-Medical Laboratory Science & Management, Botany & Forestry, Chemistry & Chemical Technology, Computer Science, Physics and Techno Physics (2), Zoology, Vidyasagar University Teachers Association, Women's Studies Centre (2).

9. A. Research Projects Newly Implemented:

24 Projects – Total amount of Rs. 1,74,34,752

Department	Title of the project	Sponsoring Agency	Amount (in Rs.)
Commerce with Farm Management	A study into investors awareness, activism and redressal of grievances in India	UGC, Govt. of India	5,21,200

	Poultry farming as a self employment project-Case study of Paschim Medinipur District	UGC, Govt. of India	95,000
Economics with Rural Development	Major issue of Sarva Siksha Mission	School Education Department, Govt. of West Bengal	3,00,000
	Problems of Deficiency in English of Primary School Children of Paschim Medinipur District, West Bengal	Sarva Siksha Mission, Purba Medinipur District, West Bengal	
English	Teaching Shakespeare: Trends in Shakespeare-study in the Indian Universities since independence with special reference to West Bengal	UGC, Govt. of India	3,80,200
Applied Mathematics with Oceanology and Computer Programming	L(h,k)-labelling on intersection graphs	DST, Govt. of India	8,71,600
	Study of supply chain models using fuzzy logic and soft computing techniques production planning and inventory control: A new approach	UGC, Govt. of India	1,13,000
Aquaculture Management & Technology	Development of Live Fish Food to Promote Growth and Production of Freshwater Ornamental Fish	UGC, New Delhi	1,45,000
Bio-Medical Laboratory Science & Management	A study of the therapeutic potential of homeopathic remedies against diabetes and hyperlipidemia in streptozotocin induced experimental diabetic male rat	CCRH	8,95,800
	Possible antihyperglycemic effects of active ingredient (s) present in effective extract of seed of <i>tamarindus indica</i> in streptozotocin-induced diabetic rats and its chemical characterization	ICMR	6,24,952
	Testicular germ cell apoptosis in diadet rat and its correction by a formulated herbal drug: MTEC	DST	5,00,000
	Development of herbal spermicide from <i>Stephania hernandifolia</i> , <i>Achyranthus aspera</i> and <i>Cestrum parqui</i> using rat and human sperm	Indo-Tunsian Bilateral Research Project	2,55,000
	Antidiabetic and antihyperlipidemic effects of seed extract of <i>Holarrhena antidysenterica</i> and endosperm extract	SHIS (NGO)	30,000

	of Swetenia mahagoni in streptozotocin-induced diabetic male Wistar rat		
Chemistry & Chemical Technology	Synthesis, characterization and study of the magnetic, photoluminescence, electrochemical properties of polynuclear (homo/hetero-metallic) complexes	DST Fast Track	Amount awaited
	Synthesis nanoparticles	CSIR, Govt. of India	7,50,000
	Visual detection of electron deficient aromatic compounds	DST, Govt. of India	16,60,000
	Engineering of ... correlation linker based Study	DST, Govt. of India & UGC	19,26,000 & 1,10,000
Geography and Environment Management	Hydro-biology and Geomorphology of Subarnarekha and Kasai Basins	Central Pollution Board	22,00,000
Human Physiology with Community Health	Investigation on directional control response stereotype and hand arm strength of the population in Eastern India	DRDO, Govt. of India	15,00,000
Microbiology	Biobleaching of industrial kraft pulp by xylanase from both free and immobilized bacterial cells	CSIR, Govt. of India	10,36,000
	Study on the functional intestinal flora of human at high altitude	DRDO, Govt. of India	9,93,000
	Production of microbial tannase and its application in detannification of food stuff	UGC, Govt. of India	3,43,000
Physics and Technophysics	Fast Track - Young Scientist	SERC Division, DST, Govt. of India	20,00,000
Remote Sensing and Geography information System	Ecotourism Development and Poverty Alleviation: A Peaceful Effort to Combat Anarchism in Jungle Mahals of West Bengal	UGC, Govt. of India	1,85,000
	Total		1,74,34,752

9. B. Research Projects Completed: 11 Projects – total amount of Rs. 33,87,550

Department	Title of the project	Sponsoring Agency	Amount (Rs.)
Economics with Rural Development	Development of Haldia urban industrial complex and displaced: A study with reference and human	ICSSR	

	development of displaced people		
English	Contemporary aboriginal fiction of Australia	UGC New Delhi	75,000
Applied Mathematics with Oceanology and Computer Programming	Implementation of methodology for uncertain mathematical programming problem using genetic algorithms	UGC New Delhi	40,000
Aquaculture Management and Technology	Development of Eco-friendly Grower Feeds for Indian Major Carps Using Non-conventional Feed Ingredients of West Bengal	UGC New Delhi	1,00,000
Biomedical Laboratory Science and Management	Health awareness package development in School	ERIC	2,00,550
	Women heal awareness with special relate to arunicipatits women sweeper	DST	3,79,000
	ICMR	ICMR	6,43,200
Botany and Forestry	Studies on fungal endophytes from some medicinal plants and assessment of their antimicrobial potentials	UGC New Delhi	6,80,000
Chemistry and Chemical Technology	An Investigation on the detection of electron deficient aromatic compounds: design, synthesis and study	DRDO	5,86,800
Geography and Environment Management	A prototype experiment on process-response system leading ro embankment breaching at north east Subdarban, West Bengal-through constructing breach prediction model by generating geo-information using remote sensing and GIS	ICSSR	5,93,000
Microbiology	Screening of antimicrobial potentialities of medicinal plant parts used by tribal people of Jhargram sub-division, West Midnapur, West Bengal	UGC	90,000
	Total		33,87,550

10. Patents generated; if any :

One patent has been generated by the Dept. of Chemistry and Chemical Technology

Name and topic of the patent	Registration no. and date
Dr. Debidas Ghosh	248596 dt. 27 th July, 2011

11. New Collaborative Research Programmes :

Dept. of Anthropology has signed two MOUs with:

- Institute of Anthropology, Polish Academy of Sciences
- Department of Anthropology, Delhi University.

**12. Research grants received from various agencies:
Total amount of Grant –RS.3, 95, 05,830**

Name of the funding Agency	Department	Amount received Rs.
DST, Govt. of India	Applied Mathematics with Oceanology and Computer Programming	7,61,000
	Bio-Medical Laboratory Science & Management	18,00,000
	Bio-Medical Laboratory Science & Management	1,70,000
	Chemistry & Chemical Technology	32,00,000
	Chemistry & Chemical Technology	17,30,000
	Chemistry & Chemical Technology	16,60,000
	Chemistry & Chemical Technology	19,26,000
	Human Physiology	19,00,000
	Human Physiology	14,25,000
	Physics and Technophysics	20,00,000
DST, Govt. of India	Total	16572000
DBT, New Delhi	Microbiology	28,52,000
	Human Physiology	30,51,000
DBT, New Delhi	Total	5903000
DRDO, Govt. of India	Microbiology	9,93,000
	Human Physiology	15,00,000
DRDO, Govt. of India	Total	2493000
CSIR, Govt. of India	Chemistry & Chemical Technology	7,50,000
	Microbiology	5,08,768
	Microbiology	10,36,000
CSIR, Govt. of India	Total	2294768

NCERT Govt. of India	Bio-Medical Laboratory Science & Management	1,62,350
ICMR, Govt. of India	Anthropology	2,94,740
Central Pollution Control Board	Geography and Environment Management	22,00,000
CCRH	Bio-Medical Laboratory Science & Management	8,95,800
UGC, Govt. of India	Applied Mathematics with Oceanology and Computer Programming	1,13,000
	Aquaculture Management and Technology	95,000
	Bio-Medical Laboratory Science & Management	6,68,800
	Bio-Medical Laboratory Science & Management	8,06,612
	Botany and Forestry	5,83,000
	Chemistry & Chemical Technology	3,79,200
	Geography and Environment Management	1,85,000
	Human Physiology	7,41,800
	Microbiology	8,11,160
	Microbiology.	2,68,000
	Microbiology	3,43,000
	Remote Sensing & GIS	1,62,500
	Commerce with Farm Management	4,82,000
	Commerce with Farm Management	50,000
	Commerce with Farm Management	5,21,200
	Commerce with Farm Management	95,000
	English	3,80,200
English	2,39,200	
Political Science with Rural Administration	3,56,500	
Sociology	3,16,800	
UGC ,Govt. of India	Total	7597172

School Education Department, Govt. of West Bengal	Economics with Rural Development	3,00,000
West Bengal Pollution Control Board	Zoology	7,93,000

13. Details of Research Scholars: (2010-2011) :

	Arts	Science	Commerce	Total	Male	Female
Registered for Ph.D.	70	189	10	269	190	79
Awarded Ph.D.	13	22	03	38	34	04

14. Citation Index of faculty members and impact factor :

Faculty members have published research papers in peer reviewed international journals of high citation index and impact factor. Highest impact factor recorded was 3.63.

15. Honours and awards to the faculty:

- i) Ms. Nibedita Bhattacharyya, Dept. of Lib. & Information Science has received young Information Scientist Award from Society of Information Science, New Delhi
- ii) Dr. Sudip Datta Banik has received Post-Doctoral Fellowship of Cinvestav del Instituto Politecnico Nacional (IPN), Mexico.
- iii) Prof. Madhumangal Pal, Dept. of Applied Mathematics with Oceanology and Computer Programming was invited to chair a session in the International Conference organized by Tsinghua University, China.
- iv) Dr. Basudev Mondal, Dept. of Aquaculture Management and Technology, awarded as Fellow of Society for Applied Biotechnology.
- v) Prof. Braja Gopal Bag, Dept. of Chemistry and Chemical Technology was invited to deliver an invited talk in the International Symposium on Bio-organometallic Chemistry ISBOMC-10 at Bochum, Germany.

16. Internal Resources Generated:

The internal resource of the University is generated by the following ways:

- a) Through tuition fees of self-financing courses,
- b) Through affiliation charges from affiliation of courses in other Institutions,
- c) Through consultancy,
- d) By sale of application forms to admission,
- e) Sports fees,

- f) Through plantation of tree,
- g) House rent from teachers and staff quarters.

17. Details of departments getting SAP, COSIST (ASSIST) / DST. FIST, etc. assistance / recognition:

No addition during the year. But the Departments of English, Chemistry and Chemical Technology, and Physics and Technophysics are continuing with their respective SAP DRS Phase I programmes.

18. Community Services :

The service is rendered mainly by National Service Scheme (NSS) wing and Women’s Studies Centre of the University.

Services to the community by NSS are manifested through the activities like construction of road-side shed, repair of village road, health check up camps and distribution of medicines, Blood Group Testing, Yoga meditation camp, street drama against dowry system, literacy programmes, health awareness, First Aid Training, Swimming competition, Pulse-polio immunization campaign, etc. were also organized by some of the units. The volunteers also helped local self-help groups to organize their activities in the adopted villages. Seminars on Mass education, Thalasamia, campaign against destroying female embryo, etc. were organized. NSS cell organized 62 special camps involving 3100 volunteers. They also donated 275 units of blood.

Department of Human Physiology along with the Women’s studies centre organized a training programme on “Ergonomic counseling for the women working in agriculture”. An awareness program was carried out on women agriculture workers to aware them about the ergonomic aspects of work and work environment as well as occupational health hazards. Besides this the participants were imparted training for the application of Ergonomic check points to manage their problems in their day to day life. About 30 women in the age group 20 - 55 years participated in the program. The awareness program was arranged with a view to have ergonomic intervention, which was required for humanizing the agriculture work. The matter for the awareness program was prepared from the checklist recommendation for the workers done by ILO-IAE (International Labour Organization -International Ergonomics Association).

19. Teachers and officers newly recruited:

Teachers:

Teachers	Department	Number
Nil	Nil	Nil

Officers: Nil

20. Teaching – Non-teaching Ratio:

No. of Teachers: 121, No. of Non-teaching staffs: 260, Ratio : 1:2.15

21. Improvement of Library Services:

- i) Vertical extension work of the library building has been completed.
- ii) The number of books acquired by the library during 2010-11 was 12,425.
- iii) In the book processing section, about 13,442 volumes were classified and catalogued and other data entries were also completed.

22. New books / Journals subscribed and their cost:

There has been a significant increase in the amount of money spent for new books and journals. 12425 new books have been purchased during 2010-11.

Rs. 54.07 lakh was spent to purchase books and journals out of funds received from State Govt. Some more funds out of grant from UGC have also been allocated for this purpose.

23. Courses in which student Assessment of teachers is introduced and the action taken of student feedback.

Student Assessment of teachers has not been introduced; it is in the process of introduction.

24. Unit Cost of Education: (2010-2011)

Including Salary component: Rs. 1,05,724.06

Excluding Salary component: Rs. 50,640.54

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

Some sections of the University have already been computerized like Finance Department, P.G. Secretariat (admission process), Examination Section (examination process and examination results) and Finance Dept; Administration dept. is under process of computerization.

26. Increase in the infrastructural facilities: (2010-2011)

- i) Construction of second ladies Hostel of the university has been completed out of the UGC fund.
- ii) Construction of part of Silver Jubilee Bhavan has been completed.
- iii) Construction of University Auditorium is going on.
- iv) Construction of 2nd floor of Humanities building is going on.
- v) Black top roads in the university campus have been completed.
- vi) Construction of boundary wall of 2nd campus of the University has been completed.
- vii) Construction of 4th floor of the Central Library building is in progress.

27. Technology up-gradation:

- i) The total number of computer having internet and LAN connectivity has been increased to 400 at present.

- ii) All these Internet users are able to access all the subscribed e-journals under UGC-INFONET e-journal consortia.

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

The University has been organizing programmes several times every year to train the teachers, employees and students to make them familiar with the use of computers. During this year the number of different categories of employees trained is as follows.

Year	No. of students	No. of teachers	No. of employees
2010-2011	107	13	37

29. Financial aid to students.

Students are given financial assistance from the welfare fund in the form of exemption of tuition fees, hostel fees, and examination fee. Scholarship is also given to the SC, and ST students.

Year	Full-free studentship to poor and meritorious students (No.)	Half-free studentship Given (No.)	Exemption of tuition fee (No.)	Amount Rs.
2010-2011	310	310	48	1,00,000/-

30. Support from the Alumni Association and its activities.

There is an Alumni Association of the University as a whole. Apart from that, there are Alumni Associations in almost all the older Departments. They organize annual / biennial meets and academic seminars.

31. Support from the Parent-Teacher Association and its activities.

There is no Parent –Teacher Association in the University.

32. Health Services:

- i) Different communities of the university (students, teachers, staff) get medical advice and emergency medical treatment when they seek. On an average per day 10-12 patients visit the medical unit.
- ii) The service in terms of homeopathy consultation and medicine from qualified homeopathy doctor is available.
- iii) Health awareness programmes for the students are regularly being held.
- iv) Medical unit plays an active role during annual sports meet of the university.
- v) During convocation medical unit provides medicine and other medical help to all communities who take part in the programme.

33. Performance in sports activities:

The University organized Inter-College Football, Volleyball, and Kho-kho tournaments in the Sports-Ground of the University. The students of the university participated in the inter-university football tournament at BIT Mesra, inter-university cricket tournament at Ravenshaw University and Volleyball tournament at Vinoba Babha University, inter-varsity Kho-Kho tournament at Pt. Ravi Sankar Sukla University, and All India Athletic meet at Acharya Nagarjuna University. Inter college and post graduate Athletic Meet was held on the University campus.

The inter-college cultural meet was held on the university campus. Total number of events was 23. There were 610 students from 26 colleges participated in the cultural meet.

Our cultural team was placed in the 2nd and 3rd position in two out of the five cultural events of the East zone inter-varsity youth festival held at Kalyani University. The qualified students of three cultural events participated in the National Youth festival held in the Venkateswara University, Tirupati. Our students also participated in the national debate competition in the IAPPD Auditorium, New Delhi.

34. Incentive to Outstanding Sports persons:

There is no such system in vogue in the University to give incentives to the outstanding sports persons except reservation of a few seats during admission.

35. Student Achievements and Awards:

Nine research scholars of the Department of Chemistry and Chemical Technology have received best poster prizes in the one day national symposium on *Frontiers in Chemical Sciences FCS-II*.

Four NSS volunteers participated at the NSS Mega Camp at New Delhi. Two NSS volunteers of the university were felicitated at the state level for their performance in Republic Day Parade, New Delhi.

36. Activities of the Guidance and Counseling cell

There is no such Cell but the Dean of Students' Welfare who is also in charge of and looks after the Placement Cell of the University constantly inspires and guides the students through rendering the Placement coordination service and organizing Soft skill development programmes.

37. Placement services provided to the students:

In order to assist the students in choosing their career opportunities, a Placement Cell with the Dean of Students Welfare as its convener has been functioning. The Placement Cell organized campus interviews for students. The placement cell headed by Dean of Student's Welfare of the University organized campus placement opportunities mainly for the students

in the Departments of MCA, MBA, Computer Science, and Electronics. Large number of multinational software and hardware companies organized 17 off- and on-campus interviews. Name of such companies are WIPRO, PRADHAN, SEI-CMM LEVEL-5, Foradian Technologies Pvt. Ltd., Inspira Software, SMS Country Network Pvt. Ltd., VXL Technologies Ltd., NIST Technologies and Consulting Services, Ramboll IMI Software Pvt. Ltd., ICICI Banks, Ulysses Pharmaceutical Pvt. Ltd., Taranga Software Development Outsourcing Service, Omega Elevators, Tharma Dot H/Dharma H & Refeel Cartridge Engineering Pvt. Ltd. and others.

38. Development Programmes for Non-teaching staff.

The Computer Centre of the University organized Computer Awareness and Computer Literacy Programme for non-teaching employees.

Year	No. of course conducted	No. of employees attended the programme
2010-2011	03	22

39. Best practices of the Institution.

The best practices in different functional areas and at different levels, as identified by the University authorities from time to time, have been discussed and taken necessary action accordingly.

- i) Faculty members and scholars have 24-hour free access to internet and downloading of e-journals in their respective departments.
- ii) The campus of the University has been declared as smoking free and plastic free zone.
- iii) Importance of one time written examination has been reduced by introducing continuous evaluation, seminar presentation, grand viva, internal and external project, field work, group discussion, etc.
- iv) The Computer Centre of the University has been providing assistance to affiliated colleges to introduce Networking System and web-based materials.
- v) From Central library, the registered user can access the institutional repository of the university in which old question papers, theses and dissertations, articles and publications, etc. are uploaded.
- vi) Through the activities of Gandhian Studies Centre, the University has made an effort to extend the ideals of Mahatama Gandhi amongst the youth of today.
- vii) Efforts have been made through periodical/special reviews, internal audits, etc., to increase accountability in all functional areas and at all levels.
- viii) Need-based training programmes have been organised, particularly for the officers and the nonteaching employees.
- ix) Democratic functioning of the academic and administrative bodies is always ensured.
- x) Grievance handling mechanism has been made more effective and decentralized.
- xi) Different types of awards, medals, and prizes are presented to the students at the annual convocation of the University.

- xii) Travel grant facility is there for pursuing academic activities both within the country and abroad.
- xiii) Continuous effort is on for strengthening the budgetary and infrastructural support for social, cultural, and sports activities.
- xiv) Enhancing support for varied types of extension/ community service activities, particularly relating to the NSS units.
- xv) Special coaching is provided to the economically backward and minority community students.
- xvi) There are lots of computers in the Central library with internet connectivity for accessing books of library including e-books and e-journals.
- xvii) Students' representative in different administrative bodies has been found to be quite effective. Elected class representatives and the Students' Union as a whole have been found to play a significant role in sustaining and improving the academic ambience.
- xviii) Seats in the academic courses and hostels are reserved for the socially-backward students following the government rules. Free/ half-free studentships are also there to help them.
- xix) Also different types of scholarships are provided by the government (including the state government scholarships from the other states and the national Need-cum-Merit scholarship awarded by the Central Government) for the economically-weaker students. That apart, endowment scholarships, research fellowships, overseas fellowships, cash & book prizes and other awards, based on need and merit of students are there.

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

A significant number of teachers are engaged in collaborative research works with different institutions and universities in India.

41. Any other Relevant Information.

There has been an increase in the student's strength from other states as well as from abroad during this period. While the input ratio for SC, ST & PG students remained almost same, number of OBC students has slightly increased.

Microbiology Department has provided consultancy service to M/S MSV Laboratories Pvt. Ltd. Panskura and M/S Ulysses Pharmaceuticals Pvt. Ltd. Kolkata. Geography and Environment Management Department has provided consultancy service to Ferro Alloy Plant at Dewandighi, Burdwan.

Part C:

(Prof. Kartick Chandra Paul)

(Prof. Nandadulal Paria)

Name & Signature of the Coordinator, IQAC

Name & Signature of the Chairperson, IQAC