

# The Annual Quality Assurance Report (AQAR) of the IQAC

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**Year of Report: 2002 - 2003**

## **Part A:**

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

The university planned to open the following self employment and job oriented and interdisciplinary courses in the following academic session.

- i) M. Sc in Computer Science.
- ii) PG Diploma in Laboratory Technology.
- iii) B. Sc in Physiotherapy.
- iv) B. Sc in Medical Laboratory Technology.
- v) Diploma and Certificate Courses in ECG, X-ray Technology, Dental Assistantship.
- vi) M. Sc in Dietetics and Community Nutrition Management.

### ***Other plans are:***

- i) To organize computer awareness/ literacy programmes for teachers, student and also for the non-teaching employees in order to equip them with the use of computers and develop the required skill.

## **Part- B**

### **1. Activities Reflecting the goals and objectives of the Institution:**

The Vidyasagar University was established with the mission “Education, Knowledge, progress” – i.e. education will impart knowledge and knowledge will run the wheel of progress of the human kind as well as the society. With a view to keep parity with this mission the University has tried to open new utility oriented courses that will keep pace with today’s knowledge revolution as well as create suitable human resources. The University is trying to act towards fulfillment of the mission.

### **2. New academic programme initiated (UG & PG):**

The University launched the following new academic programmes –

- i) M.Sc in Computer Science
- ii) P.G. Dip. In Laboratory Technology
- iii) B.Sc. in Physiotherapy
- iv) B.Sc. in Medical Laboratory Technology
- v) Diploma and Certificate course in ECG, X-ray Technician, Dental Assistantship.
- vi) M.Sc. in Dietetics and Community Nutrition Management (Distance Mode).

### **3. Innovations in curricular design and transaction:**

The University has modernized its P.G. Curricula keeping in view the core-Curriculum of UGC.

### **4. Interdisciplinary programmes started:**

The following are the interdisciplinary programmes started during the year.

- i) M. Sc in Computer Science
- ii) P.G. Dip. In Laboratory Technology

### **5. Examination reforms implemented :**

Introduction of examination reforms both in UG and PG level are being actively considered.

### **6. Candidates qualified in NET/SLET/GATE etc:**

NET	SLET	GATE
24	05	28

### 7. Initiatives towards faculty development programme :

The University has been recognized by UGC as a refresher Course Centre. It has organized refresher courses in various subjects viz., Environment Management, Rural Administration and Rural development, English, Applied Mathematics, Botany & Forestry, Anthropology.

### 8. Total no. of Seminars / workshops conducted :

10 seminars including the 10<sup>th</sup> State Science & Technology Congress held.

### 9. Research Projects : Newly implemented

Name of the Dept.	Name of the Project	Funding Agency	Amount
Physics	i) A new approach for development of nanocrystalline spinal ferrites.	DST, GOI	Rs. 9.0 lakhs
	ii) Development of some new methods for preparing learning materials of physical experiments for distance students.	IGNOU	Rs. 1.55 lakhs
Zoology	Studies on bio-resource assessment and management of degraded mangrove ecosystem of Midnapore Coast, West Bengal.	Ministry of Environment & Forest.	Rs. 4.5 lakhs

### Research Projects : Completed

Name of the Dept.	Name of the Project	Funding Agency	Amount
Anthropology	Socio-Economic profile of Terracotta and DOKRA artisans of W.B.	W.B. State Expo. Society	Rs. 2.3 lakhs
Applied Mathematics	i) Development of FUZZY and Rough Techniques and their applications to inventory & production problems.	UGC	Rs. 1.78 lakhs
	ii) Entropy Optimization with some applications	UGC	Rs. 15000/-
	iii) Development of some sequential & parallel algorithms on intersection graphs.	UGC	Rs. 15000/-
Microbiology	Production of Gallic acid from raw tannins using bacterial tannase.	AICTE	Rs. 6.0 lakhs
Zoology	Aquacultural possibilities and economic viability in the pits or 'khadan' of china Clay mines of Birbhum district, West Bengal	DST&NES	Rs. 4.32 lakhs

**10. Patents generated, if any :**

The first patent from this University was generated in this year by Dr. P.C.Dhara of Dept. of Human Physiology with Community Health.

Name of the patent	Design Regn. No.
Ergonomically designed Hackshaw for carpenters.	189118

**11. New collaborative Research programmes :**

- i) The Dept. of Anthropology has started a collaborative Research with Orissa based Institutes on "Social Exclusion of Tribes and Caste" in a Project funded by DFID.
- ii) Prof. P.K.Mahapatra of the Dept. of Physics has been carrying out a collaborative programme with Howard University, USA in Solid State Physics.

**12. Research grants received from various agencies:**

<i>Name of the Dept.</i>	<i>Name of the Project</i>	<i>Funding Agency</i>	<i>Amount</i>
Physics	i) A new approach for development of nanocrystalline spinal ferrites.	DST, GOI	Rs. 9.0 lakhs
	ii) Development of some new methods for preparing learning materials of physical experiments for distance students.	IGNOU	Rs. 1.55 lakhs
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**13. Details of Research Scholars :**

No. Registered for Ph.D.	No. Awarded Ph.D.
87	18

**14. Citation Index of faculty members and impact factor :**

The faculty members publish research papers mainly in Refereed and peer reviewed journals of high citation index and highest impact factor noted was 4.115.

**15. Honours / Awards to the faculty :**

Prof. S. P. Singha of the Dept. of English represented the University in Commonwealth Fellowship programme in U.K.

Prof. Balai Ch. Barui of the Dept. of History has been nominated as a National Network Member of NCSTC under DST, Govt of India.

Prof. J. K. Sarkhel of Dept. of Library and Information Science has been invited as a Visiting Scientist at Documentation and Training Centre of ISI, Bangalore.

Dr. Abhijit Guha of the Dept. of Anthropology was entrusted to supervise the South Bengal Chapter of a Ministry of Rural Dev., Govt. of India in a Project on Dev. Induced Displacement and Rehabilitation in W.B. He also participated in an International Conference on “Combining Qualitative and Quantitative Methods in Dev. And Research” at Univ. of Wales, U.K.

Dr. Falguni Chakraborty, Dept. of Anthropology was invited to deliver a keynote Address in a National Seminar on “NGOs and Rural Development” at Allahabad University.

Prof. Tanmoy Bhattacharya of Dept. of Zoology was invited as a visiting professor to Tripura University.

Dr. Susanta Kumar Chakraborty, Dept. of Zoology received “Scientist of the year Award-2002” and Dr. Bidhan Ch. Patra of Zoology dept. received “Environment Scientist of the year Award – 2002” from National Environmental Science Academy, New Delhi.

Dr. Braja Gopal Bag, Dept. of Chemistry received SERC FAST TRACK Proposal for Young Scientists. He visited Ruhr University, Bochum, Germany on invitation from Prof. Von Kiedrowski, with a sponsorship from Alexander Von Humboldt Foundation, Germany.

#### **16. Internal Resources Generated:**

Measures are being taken to generate resources by introducing Registration charges and affiliation charges.

#### **17. Details of the depts. getting SAP, COSIST (ASSIST), DST, FIST etc. assistance / recognition:**

The Dept. of Botany and Forestry has received assistance from DST under FIST programme amounting Rs. 15 lakhs and has established its computer laboratory and initiated R&D works on Bioinformatics.

**18. Community Services :**

Our NSS unit has successfully implemented environmental, AIDS and Polio Awareness Programmes. The unit is also taking active interest in Literacy Campaign.

**19. Teachers and officers newly recruited :**

Teachers - Nil  
Officers - University Engineer, Asstt. Librarian.

**20. Teaching – Non-teaching Staff Ratio :**

Teachers	Nonteaching	Ratio
75	136	1:1.8

**21. Improvement in Library Services :**

The Central Library is being gradually modernized. INFLIBNET facilities has been strengthened.

**22. New books and journals subscribed and their cost:**

The state Govt. has sanctioned Rs. 20 lakhs for purchasing books and journals; the steps for purchasing the same have already been taken. New books and journal worth Rs. 83,6060/- and Rs. 9558/- have been purchased during 2002-2003.

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

It has not been introduced.

**24. Unit cost of Education:**

The Unit cost of Education for the year was calculated to be as follows:

<i>Unite cost of education (including the salary component)</i>	<i>Unite cost of education (excluding the salary component)</i>
Rs. 36175.00	Rs. 185030..

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

The process of admission, examination results and issue of certificates are already computerized; the steps are being taken for computerization of other administrative depts. also.

**26. Increase in infrastructural facilities:**

The extension works of the Humanities buildings and Science buildings are nearing completion with funds from UGC, State Govt. and donors like Sri Prabodh Panda, Member of Parliament.

**27. Technology Upgradation:**

The University is going to establish its ERNET facilities with 90% of its cost funded by the UGC.

The University has initiated its admission information for different courses through its website.

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

No. of teachers benefitted	No. of students benefitted
30	80

**29. Financial aid to students:**

Students are given financial assistance from the Welfare Fund in the form of exempted tuition fees, hostel fees and examination fees; for the year no. students benefitted are as follows:

No. of students	Amount
38	Rs. 43220

**30. Support from the Alumni Association and its activities:**

There are Alumni Association in some depts. and Annual Reunion is regularly held in each dept. But no remarkable support is available from them.

**31. Support from the Parent-Teacher Association & its activities:**

There is no such association in the University at present.

**32. Health Services:**

There is a Medical officer in the University; he is available regularly for medical consultation of the teachers, students and staff.

**33. Performance in Sports Activities:**

The University Sports team is very active; it organizes regularly diff. inter-collegiate programs. Besides the University team has won many National and State Awards.

**34. Incentives to outstanding Sports persons:**

Except some reservations in admission, no other incentives are extended to the outstanding sport persons.

**35. Students Achievements and Awards:**

Some students have shown extra ordinary performance in the field of Sports & Cultural Activities.

**36 + 37. Activities of the Guidance and Counselling Cell:**

There is no Guidance and Counselling Cell as such but Dean Students Welfare Constantly guides the students regarding career advancement etc.

**38. Development programmes for non- Teaching Staff:**

The computer center organized computer literacy programmes for the non-teaching staff.

No. of courses organized	No. of employees attended
3	45

**39. Best Practices of the Institution:**

The University has observed more than 181 teaching days in the year. Chairman of the UGC visiting team in a letter to the Honourable Vice-Chancellor wrote about the environment of the University which is relevant to the best practices. Relevant line is being quoted here under-

“The committee was deeply impressed by the clean environment of the University, dedication of the teachers and non- teaching employees to their works and discipline among the students.”



**40. Linkages developed with National and International academic/ research bodies:**

- i) The Dept. of Anthropology has started a collaborative Research with Orissa based Institutes on “Social Exclusion of Tribes and Castes” in a Project funded by DFID.
- ii) Prof. P.K. Mahapatra, Dept. of Physics has been carrying out a collaborative programme with Howard University, USA in Solid State Physics.

**41. Any other relevant information :**

Almost every department of this University is bringing out its own journal which is a very unique event and it has been very much appreciated by the visiting UGC team also.

**Part C:**

**Details of the plan of the Institution for the next year.**

The University has the following plans for the next year:

A. Towards opening of new courses:

- 1. M.Sc. in Aquaculture Management and Technology
- 2. M.Sc. in Remote Sensing & GIS.
- 3. P.G. Diploma in Family Welfare
- 4. Introduction of new subjects in UG Colleges like – Microbiology, Biotechnology, Computer Science, Computer Application, Physical Education etc.
- 5. B. Tech and M. Tech in Electronics

B. Towards faculty improvement:

- i) To conduct Refresher courses and organize Seminars and Workshops on regular basis in each department.
- ii) Computer awareness programmes will be organized.
- iii) To augment research activities.
- iv) To fill up the vacant teaching positions.

*Name & Signature of the Coordinator, IQAC*

*Name & Signature of the Chairperson, IQAC*