

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

Name of the Institution : Bharathidasan University, Tiruchirapalli 620 024, Tamil Nadu

Name of the Head of the Institution : Dr.(Mrs.) K. Meena

Phone No.: Office : 0431-2407555 Residence : 0431- 2407044

E-mail : vc@bdu.ac.in

Name of the IQAC Coordinator/ Director : Dr.M. Daniel

Phone No.: Office : 0431-2407057 Residence : 0431- 2458358

Mobile : 98944 37647 E-mail : igacbdu@gmail.com

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

1. Preparations are made to upgrade the Choice Based Credit System (CBCS).
2. Faculty members are encouraged to apply for more research grants.

Part-B

1. Activities reflecting the goals and objectives of the Institution:

- Organisation of conferences, workshops and seminars by various departments.
- Updating syllabus of various courses.
- Improving infrastructure facilities.
- Starting research in frontier areas.

2. New academic programmes initiated :

Total number of programmes initiated : 1

Details : 1. PG Diploma in Journalism and Mass Communication MA in Journalism and Mass Communication

3. Innovations in curricular design and transaction :

- The curriculum of various study programmes in the departments are designed such that the student learn sufficient number of basic and advanced level courses.
- The syllabus of various courses are revised.

4. **Interdisciplinary programmes started :**

Nil

5. **Examination reforms implemented :**

- Question paper pattern for certain courses are revised so that more emphasis is given to test the basic understanding of the concepts and to improve the problem solving skills.
- Evaluation of answer papers is made more transparent.

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

NET/SLET/GATE : 28

7. **Initiative towards faculty development programme :**

- Orientation programmes and refresher courses on specific topics are organized regularly in the Academic Staff College of the University to improve the teaching and research qualities of young faculty members.
- Also faculty members are encouraged to attend orientation programmes and refresher courses organized outside the institution.
- Faculty members are encouraged to attend research conferences and workshops in India and abroad.

8. **Total number of Conferences /Seminars/Workshops conducted/organized :**

49

9. **Research projects :**

(a) Newly implemented :

No. of Projects : 25

Total outlay : Rs.966.85 lakhs

(b) Completed :

No. of Projects : 21

Total outlay : Rs.773.83 lakhs

10. **Patents Generated :**

1 Patent

11. New collaborative research programmes :

Research collaborations

Yes	✓	No	
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National

If yes, how many?

11

Overseas

Yes	✓	No	
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If yes, how many?

9

12. Research grants received from various agencies :

No. of Projects : 25

Total outlay : Rs.966.85 lakhs

13. Details of Research Scholars :

Nature of Registration	On Roll	Newly Registered	Degree Awarded
Full-time/ Part-time	285	49	21

14. Citation Index of faculty members and Impact factor :

- (i) Some of the research papers published by few faculty members have good number of citations.
- (ii) Science faculty members normally publish their research papers in reputed international journals with high impact factor.

15. Honours/ Awards to the faculty :

- Membership in the Editorial Advisory Board – Organic Synthesis and Medicinal Chemistry
- DAAD Visiting Fellowship 2009
- INSA-NRF visiting fellowship, Chonbuk national University, S.Korea, Sep- 2010.
- 76th Indian Science Congress-MKU Eminent Scientist Award.
- Ramanna Fellowship, Department of Science and Technology, New Delhi
- DAAD sponsored research visit to University of Hannover, Germany (June- August 2009)

- Visiting Scientist Fellowship by Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP), São Paulo (1 Oct 2010 – 30 Sep 2011) – Dr.P.Muruganandam
- Indo-Mexican Visiting Professorship Awarded (Aug-2011 to Nov-2011) - Dr.C.Lakshumanan.
- DAAD-Guest Professorship award from German Academic Exchange Service, Germany - Dr.G.Mathan.
- Young Scientist Fellowship Scheme (YSFS 2010- 2011) award by the Tamil Nadu State Council for Science and Technology (TNSCST), Chennai, India - Dr.G.Mathan.
- Dinamalar Women’s Day Award 2010 appreciating the services to women – Prof.N. Manimekalai.
- Canadian Studies Faculty Enrichment Fellowship for 2010-11 – Prof. V. Ayothi
- DST-BOYSCAST fellowship for the year 2011-2012 - Dr.G.Muralitharan.
- Southern Zone co-ordinator of Dictionary of Martyrs: India's Freedom Struggle 1857-1947 – Prof.N. Rajendran.
- IUSSTF Fellowship, Yale University, U.S.A. - Dr. B. Kadalmani.
- Excellency Award in Academics by the Office of the Southern Region, All India Council for Mass Education and Development, Kolkatta,2010 - Prof. K.Parthasarathy.
- Distinguished Educationist Award, 2010 - - Prof. K.Parthasarathy.

16. Internal resources generated :

35,72,72,108/-

17. Details of Departments getting SAP,COSIST (ASSIST)/DST-FIST etc. assistance/recognitions :

UGC – SAP : School of Chemistry(Contd.), School of Physics(Contd.), Animal Science(Contd.), Geography(Contd), Biotechnology (New).

DST – FIST : School of Physics(Contd.), Department of Animal Science(Contd.), School of Chemistry(Contd.).

18. Community Services :

- Dissemination of Remote Sensing Technology to School Teachers – Department of Geography.
- Entrepreneurship Development Programme and employment for PLHIV/ AIDS & Sex workers – Department of Women Studies.
- Technical Demonstration Programme on Jute based Utility Articles– Department of Women Studies.
 - Short training programmes in preparing for IELTS and TOEFL exams – Department of English.

19. Teachers and officers newly recruited :

41

20. Teaching Non-teaching staff ratio :

1:2

21. Improvements in the Library services :

New books at the text book level and also advanced books based on the requirement and current trend are added.

22. New books/ journals subscribed and their cost :

(a) Central Library

Number of books added : 2450

Journals subscribed : 173

(b) Department Libraries

Number of books added : 2,040

Cost of the books added : 09,02,082/-

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

Feedback about all the courses and the course teachers are obtained from the students and the comments made by the students are discussed with the concerned faculty members for improvement.

24. Unit cost of education :

Approx. : Rs.5000/-

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

The examination system has been fully computerised with the in-house developed software, specially suiting to the requirements of the affiliated colleges programmes. The processing of results, DTP printing of Certificates/Degrees etc. are all done without delay.

In the University Departments the admission process including entrance examination, preparation of rank, selection, waiting list is fully computerized which makes the admission very efficient. Also, the conduct of examination and publication of results apart from routine administration are computerized.

26. Increase in the infrastructural facilities :

- A New Building for the School of Chemistry is being constructed
- Microwave Oven, Refrigerators, Magnetic Stirrer, Multi Spin, Serological Water bath, Digital Balance, Mini and Midi Submarine Electrophoresis, Angle Heads with Polypropylene tubes, Rectangular Water bath, Ice-Flake machine were added to the Department of Biomedical Science.
- Seismic Station (in collaboration with NGRI) has been installed and New Automatic Weather Station have been installed at the Department of Geography.
- Three Air-conditioners were purchased by the Department of Mathematics.
- Microplate (ELISA) Reader ,ELISA Reader ,Cooling Centrifuge, Computers (6 Nos.) & Work tables (1 No.) for the laboratory at the Department of Biotechnology were purchased.
- Construction of Transgenic green House - Department of Biotechnology.
- One more floor is added to the Biotechnology building.
- 50Kva Generator was purchased and used by the Department of Biotechnology.
- Transgenic Green House is constructed and maintained to enhance the research in Plant Biotechnology.
- Language Lab with multimedia facility was installed at the Department of English.
- False Ceiling was provided for the faculty rooms, class rooms and laboratories and Air-conditioners were fixed at the Department of Microbiology.
- The Seminar Hall of the Department of History was equipped with Public Address System.
- A Copier machine was added to the Department of Tamil.

27. Technology upgradation :

- Servers, Desktops, Laptops and Printers were provided to the needy Departments.
- Arc GIS 9.3 version of the Software available in the Department of Geography was upgraded to ArcGIS version 10.
- Geophysical laboratory is equipped with DC Resistivity Meter (4 No.).
- The Library in the Department of History was automated.
- A Web Camera was installed at the Department of Animal Science for continuous monitoring.

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

Computer and Internet access have been provided to both teachers and students. No training is given. Faculty members are provided with individual desktop with internet facility. The Informatics Centre of the University has a bandwidth of 64 kbps for internet connectivity.

29. Financial aid to students :

The Post Graduate Students belonging to Backward, Most Backward and Schedule Caste and Tribes are getting scholarships from the State Government of Tamil Nadu. Research Scholars receive fellowships from different agencies such as UGC, CSIR, DST, DBT, ICMR, DAE, Bharathidasan University etc.

Total amount of Scholarship : Rs.63,48,445/-
Total amount of Fellowship : Rs.70,80,548/-

30. Support from Alumni association and its activities :

Several Alumni from various departments have regular contact with the faculty members, scholars and students and take part in the welfare of the departments.

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

There is no formal Parent-Teacher Association in the University. However, all the departments conduct Parent-Teacher Meet on the first day of the programme in the academic year and various issues related to the teaching programmes and students are discussed.

32. Health Services :

The University's Health Centre was established in the year 1993. The Health Centre is located in a building with 300 sq.ft. area, which is very close to the Administrative Building, Hostels and to the Staff Quarters. The Health Centre has physical facilities such as bathroom, toilet, wash basins, fans, lights, drinking water, etc. The health centre has First-aid medicine, IRR Lamp, Electrocardiogram and other basic equipments. The working hours of the Health Centre is from 9.00 a.m. to 5.00 p.m. The Centre has link with all the major hospitals in the city. The health centre has the following medical personnel.

The Health Centre is managed by a qualified part-time Doctor and a qualified full-time nurse.

33. Performance in sports activities :

- Anuradha.P. Silver medal in Weightlifting in the All India Competition
 - Suriya.L. Silver medal in 800 Mts & 5000 Mts. in the All India Competition
 - Veeranan.P. Bronze medal in 800 Mts & 1500 Mts in the All India Competition
 - Nikhil Chittrasu.C. Bronze medal in High jump in the All India Competition
 - Azarudeen.B. Bronze medal in Long jump in the All India Competition
- Men Hockey team secured Fourth position in South Zone tournament.

34. Incentives to outstanding sports persons :

Special prizes are given to Men Volleyball team. AIU, New Delhi has also provided prize money of Rs.30,000/- for attaining runners-up position in the All India Tournament.

Special prizes are given to Ball Badminton (Men) for bagging first place in the All India tournament.

Special prizes are given to both athletes Shanti and Gopi for winning medals in the All India Inter-University Competition.

35. Student achievements and awards :

- R. Vijay Solomon, School of Chemistry was awarded with Best paper presentation at MMDD workshop held at University of Hyderabad.
- Dr.R. Senthil Kukmar, School of Chemistry was awarded a Post Doctoral Fellowship to work in Finland.
- J. Sivaraman, School of Chemistry was awarded Swiss Government Scholarship to do part of the Ph.D. there.
- Some students from the Department of Commerce obtained prizes in the management games conducted by various Universities/ Colleges.
- Ms. R. Gayathri, Research Scholar, Qualified NET in Women's Studies.
- Ms. M.S. Sameem Banu, Department of Women Studies received Research Fellowship.
- Five students got Research Fellowships and three students qualified GATE exam – Department of Biochemistry.
- Mr. Sabarinathan and Miss. Kalaimathy (M. Sc. 2006-08), Department of Bioinformatics have secured Ph.D. admissions in Denmark and Germany respectively.
- Dr. M. Sakthivel, Department of Animal Science, received Post Doctoral Research Associateship, University of Nebraska Medical Centre, Omaha, U.S.A.
- Mr. C. Senthil, Department of Animal Science received DST - INSPIRE Fellowship.
- Miss. M. Isai, Department of Animal Science received ESKAS scholarship - Swiss Government Scholarship, University of Bern, Bern, Switzerland.
- Mr. Faisal Kunnathodi, Department of Animal Science received Dr.D.S. Kothari Post Doctoral Fellowship from UGC.
- Mr. S. Kamalakannan, Department of Animal Science received ESKAS scholarship, from the Swiss Government.
- S. Parvathi, a Ph.D. student from the Department of Tamil won the award of Avvai Koottam for the best article "Ettuththogaiyil Pazhantamilar Unavu" which was published in the book of Tamil Culture in the Literature.

36. Activities of the Guidance and Counselling Cell :

Each department has appointed mentors among faculty members to different classes to provide academic, career and personal guidance and counseling to the needy students whenever required.

37. Placement services provided to students :

The University does not arrange common placement programme for the students. However, each department, through their contacts with other institutions and companies in India and abroad, helps the students to get good employment. Also, the students get placements through their own contact if they do their project work outside the University. Similarly, research scholars get placement through their contact during the post-doctoral programmes outside the University. Further alumni help their juniors. Several students get teaching positions in colleges.

38. Development programmes for non-teaching staff :

Common development programmes for non-teaching staff are organized rarely. However, non-teaching staff who are interested in pursuing higher qualifications through distance education mode are encouraged by the institution. Also, inhouse training is provided to non-teaching staff of the University at regular intervals.

39. Best practices of the institution :

- The students are encouraged to earn additional credits.
- Students are exposed to multimedia and language lab and specifically to e-text.
- Solid waste management

- Periodical review of Course materials and revision of syllabus at regular intervals.
- Knowledge updates
- Feedback from the students
- Extra Disciplinary courses
- Regular Group Discussion for students
- Special lectures on society's concern

40. Linkages developed with national / international , academic / research bodies :

School of Physics:

- FCT- UNL, Caparica, Portugal
- Postdam Inst. For Climate Impact Research , Germany
- Institute of Theoretical Physics, State Univ. Sao Paulo, Brazil.
- Los Alamos National Laboratory, USA.
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School of Chemistry :

- Prof. Pascale Maldivi, CEA, Grenoble, France.
- Max-Plank Institute for Polymer Research, Mainz, Germany.
- Dr. Y. Liu, IHEP, China
- Prof. D. K. Bandyopadhyay, IIT-Delhi
- Prof. Dong- Heon Lee, Chonbuk University, S. Korea
- Dr. G. Vagnieres, EPFL, Lausanne, Switzerland
- Dr.Mösch-Zanetti N.C, Institut fr Chemie, Bereich Anorganische Chemie, Karl-Franzens-Universitt Graz-Schubertstrasse 1, 8010, Graz (Austria)
- Dr.Eringathodi Suresh, Analytical Science Discipline, Central Salt and Marine Chemicals Research Institute, Bhavnagar 364 002, India

Environmental Biotechnology :

- United Nations University, Tokyo, Japan and SHIMADZU Corporation, Japan

Biomedical Science :

- KAP Viswanathan Govt. Medical College, Trichy, Tamilnadu.
- Prof. Frank. D. Bohmer, Institute for Cell and Molecular Biology, Center for Molecular Biomedicine, Friedrich Schiller University, Jena, Germany

Commerce

- New York Institute of Technology (NYIT), Abu Dhabi

Women Studies

- APAC- VHS, Chennai

Environmental Management

- KOREA Maritime University, International Vaccine Institute, South Korea

Microbiology

- Prof. Timo Iovgren, Dept. of Biotechnology, University of Turku, Finland

History

- ICHR, UGC, TANSCH, University of Malaysia
- The College of Mexico

Animal Science

- Dr. J.H.Zhang, Chinese Academy of Sciences, China.
- Dr. V.S. Periyasamy, King Saud University, Riyadh, K.S.A.
- Dr. Wieslaw Bogdanowicz, Polish Academy of Sciences, Poland.

41. Any other relevant information :

Nil

Part – C : Detail the plans of the institution for the next year

In the next year,

- The infrastructure in the departments will be improved.
- Research in new frontier areas will be initiated.
- New teaching programmes will be started.

Name and Signature of the
Coordinator/Director, IQAC

Name and Signature of the
Chairperson, IQAC