

Preface

The Bharathiar University was established at Coimbatore by the Government of Tamilnadu in February, 1982 under the provision of the Bharathiar University Act, 1981 (Act 1 of 1982), with jurisdiction over the districts of Coimbatore, Erode and the Nilgiris. The Postgraduate Centre of the University of Madras which was functioning in Coimbatore before 1982 formed the core of the Bharathiar University. In May, 1985 the University received the recognition from University Grants Commission (UGC) New Delhi for the purpose of grants.

The University named after the great national poet **Subramania Bharathiar** is enshrined with the motto '*Educate to Elevate*'. In the University every effort is harnessed to realize his dream of making educational institutions as temples of learning. It is the aim of the University to participate in the task of inculcating necessary knowledge, skills and Creative Attitudes and Values among the youth of this country to contribute more effectively towards establishing an equitable social and economic order and promote the secular ideal of our nation.

Mission

Our mission is to provide quality higher education to all people. We aim at developing citizens with knowledge, skills and character, contributing to societal transformation and national development in consonance with our motto '**educate to elevate**'. We strive to form students to be men and women for others, offering their selfless service for the growth of the country and people.

Vision

The Bharathiar University strives to fulfill the dreams of the great poet Bharathiar by actualizing the following:

- To promote educational programmes in various disciplines with synergistic interaction with industry and society
- To develop knowledge and skills of students to equip them to face the challenges and needs of the emerging knowledge society.
- To give equal opportunity to women students in order to prepare them to be effective leaders.
- To contribute to the advancement of knowledge through research and publications which leads to knowledge products.
- To prepare the students for societal transformation with commitment to justice and equality.
- To make students to be conscious of their duty to the country and to fellow human beings.

Status

- Accredited by NAAC in the year – 2003 with ‘A’ Grade
- Member of Association of Indian Universities
- Member of Association of Common Wealth Universities, London
- Member of UGC’s Info – NET Consortium, New Delhi
- Member of UGC – CEC, New Delhi
- Member, Distance Education Council (DEC), New Delhi

Name of Institution : Bharathiar University, Coimbatore, Tamil Nadu

Year of Report : 2004 -2005

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 IQAC of Bharathiar University has chalked out the following as plan of action for the year 2004-2005.

- Integrating Information & Communication Technology (ICT) in teaching, learning and evaluation (access to useful website for e-learning to all the students, online submission of assignments, publication of results).
- Reaching the unreached through alternative mode of education i.e. **Distance Education** especially research programmes for working professionals.
- Introducing application oriented new courses at Post Graduate level
- Increasing physical infrastructure of the institution to accommodate new academic programmes and hostels for students.
- Giving hostel facilities for women students.

Part B:

1. Activities reflecting the goals and objectivities of the Institution.

Goal of the Institution

“Educate to Elevate”

Objectivities of the Institution

- To provide quality education to all.
- To develop citizens with Knowledge, Skills and Character
- To contribute towards societal Transformation and National development.

2. New academic programmes initiated (UG and PG):

Regular

- M.A. Computational Linguistics
- M.Sc. Statistics with Computer Application

Distance Education

<u>Programme</u>		<u>Number of courses initiated</u>
M.Phil.	-	10
Post Graduate	-	04
Under Graduate	-	01
P.G. Diploma	-	03
Certificate Course	-	01

3. Innovation in curricular design and transaction

- Introduced **Choice Based Credit System (CBCS)**
- The CBCS has provided opportunities to gain credits across disciplines, weightage is given to application oriented subjects, update of curriculum is made easy, continuous internal assignments are given in the importance programme committee at the department level will be giving feedback at every stage of the course and delivery.

- Introduced *Retail Marketing* and *International Business* as job oriented papers for B.Com graduates.
- Encouraged the Autonomous colleges to offer U.G. courses in Retail Marketing and International Business.

4. Inter- disciplinary programmes started

Introduced application oriented innovative research programmes (M.Phil. & Ph.D.) - **03**

- Bio- Informatics
- Bio-technology
- Environmental Sciences
- Zoology (with Human Genetics)

5. Examination reforms implemented

- Publication of results through various websites for easy access to students
- Formation of Syndicate subcommittee to review the existing system of examination and to standardize the decision making process for programme efficiency in the conduct of examination and publication of results
- A committee to scrutinize question papers is formed to issue “Zero Error Free Question Paper for all Semester”.
- Introduction of application oriented question

6. Candidates qualified

• University Research Fellowship	-	26
• UGC Research Fellowship	-	03
• CSIR	-	08
• DRDE	-	08
• Junior Research fellow	-	02
• DRDO Research Fellow	-	02
• Others	-	02
Total	-	51

7. Initiative towards faculty development programme

The Academic Staff College of Bharathiar University has conducted the following for the development of the faculty. The newly recruited/experienced teachers from the various University Departments were deputed by the following the UGC norms.

S.No.	Name of the Course	No. of Courses conducted	Participants		Total
			Male	Female	
1	Refresher	7	146	154	350
2	Orientation	8	125	109	234
3	Functional English	4	55	54	109
4	Computer Training	4	46	57	103
5	Training programme on SLET / NET	2	86	185	271

8. Total number of seminars / workshops conducted

Seminars / Workshops Conducted - **12**

Department Of Linguistics

- Workshop on **Translation of Bharathiar poems** into English.
- Workshop on **Translation of idioms and proverbs**
- Workshop for finalizing **English translation of Bharathiar poems**

Department of Statistics

- National seminar in **Recent Advances in Statistical Methodologies and Applications (RASMA – 2004)**

Department of Zoology

- On the job Summer Training Program in **Cytogenetic Techniques**

Department of Environmental Science

- Training programmer on **Geographical Information System and Remote Sensing**

Department of Educational Technology

- **Symposium on ‘Fiction 04’.**

Department of Computer Science and Engineering

- National level technical symposium **‘Paper Fest – 2004’.**

Department of Bio-Technology

- National level symposium on **Frontiers in Bio-technology**

Department of Extension, Career Guidance and Student’s Welfare

- International Conference in **‘Human Rights’** through video Conferencing
- State level workshop on **‘Performance Indicators for Development Intervention’**
- University level workshop on **e-learning.** (with support of IIT, Chennai and Kanpur)

9. Research Projects

- Ongoing - **37** Research Projects
- Newly Implemented - **12** Research Projects
- Completed - **05** Research Projects

10. Patents generated, if any

- Nil -

11. New collaborative research programmes

- International collaboration - **04**
- Collaboration with Ford Foundation (International) - **01**

12. Research grants received from various agencies:

Major Research Project	-	Rs. 24, 36,485.00
Fellowships & Funds from other Agencies	-	Rs. 1, 09, 56,838.00
Total	-	Rs. 1, 33, 93,323.00

13. Details of research scholars:

<u>Programme</u>		<u>Number of Students</u>
M. Phil	-	75
Ph.D. (Full time)	-	50
Ph.D. (Part time)	-	17
Ph.D. Awarded	-	
- From University Departments	-	40
- From Affiliated Colleges	-	69
Total	-	109

14. Citation index of faculty members and impact factor

Mean impact factor of the research publications of the faculty in the refereed journals ranges from **0.356 – 2.357**.

15. Honors / Awards to the faculty

- One faculty member in the **Department of Zoology** has been recognized as Visiting Fellow, University of Jyväskylä, Finland.
- One faculty in the **Department of Extension and Career Guidance** has been nominated as a standing committee member of the UGC for the discipline Adult and Continue Education and Population Education. He has drafted the National guideline for Adult and Continuing Education for implementation in the Universities. Served as a subject expert (Adult and Continuing Education) in UGC NET

16. Internal resources generated

Rent	-	Rs. 24, 03,833
Sale of Books and Tender Forms	-	Rs. 20, 94,298
Total	-	Rs. 44, 98,131

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

Number of Departments received SAP assistance - **04**

- Mathematics
- Economics
- Chemistry
- Linguistics

Grants Received - **Rs. 63.56 Lakhs**

Number of Departments received DST assistance - **03**

- Biotechnology
- Chemistry
- Environmental Sciences

Grants Received - **Rs. 28.88 Lakhs**

18. Community Service:

1. Department of Zoology

- Conducted Training Programme **in Cytogenetic Technique** to college students during 16th – 25th may 2004.
- The Department is actively engaged in extension activities like catering to the needs of the hospitals in fields like Endocrinology, Human Genetics, Vector control and pollution Biology.

- The faculty has been involved in awareness programmes on Reproductive Health Rights of Women in and around Coimbatore district.- to the college students, plantation workers and other category of the women.
- Cytogenetic and molecular genetic analysis were carried out for the patients(reproductive anomalies, Mental Retardation)
- Genetic and endocrine Counseling are given to the public referred to the Department.
- The faculty is involved in crating awareness on the advantages of the endogenous medicines and necessity for creating herbal gardens among the public.
- The unit of Toxicology is actively involved in the analysis of water quality parameters and its suitability for drinking and irrigation purpose.

2. Department of Extension, Career Guidance conducted the following.

- Youth Red Cross State Level **Workshop cum Camp for YRC** Programme Officers and YRC Volunteers (3 days) at Dr.N.G..P. Arts and Science College, Coimbatore, 12-14, February 2004.
- State Level Workshop on **Performance Indicators for Development Intervention** Pogrammes at CSI Bishop Appasamy College of Arts and Science, Coimbatore, 16-17, February 2004.
- International Video Conference on **Human Rights Education** (Combating Torture) with People's Watch, Madurai at University Auditorium, Bharathiar University, 20, May 2004.
- **ITES Career Fair** – 2004 on BPO/ITES for the benefit of final year U.G Students, Bharathiar University, 26-27, July 2004.

- **Blood Donation** Day conducted by the Voluntary Blood Donation Project of our University in association with the Association of Voluntary Blood Donors (TN-Coimbatore Chapter), Award Ceremony at Gujarati Samaj near Central Theatre of North Coimbatore, on 1st, October 2004.
- **Career Guidance** programme for the final year students at Tiruppur Kumaran College for Women, Tiruppur, 24, December 2004.

3. National Service Scheme, Bharathiar University conducted

- **International Training Programme** organized by Commonwealth Youth Programme-Asia Centre and Rajiv Gandhi National Institute of Youth Development from 23-30 Aug. 2004.
- Awareness Programme on **Vande Matram Yojana** at Sri Ramakrishna College for Women on 13.02.2004.
- **National Science Day** on 26.02.04 at SNR Sons College
- **World Women's Day** at Kongunadu College of Arts & College of Arts & Science on 08.03.04
- Awareness programme on the eve of **World Water Day**, in association with Siruthuli and arranged '*Thanneer Pandal*' at 25 spots.
- International Day against **Drug Abuse** at Dr.NGP College.
- '**Master Trainers Training Programme**' in association with Kovai Diabetics Foundation.
- In collaboration with Sheep and Wool Breeding Research Institute, Kodaikanal and Jaipur, intensive training and awareness programmes about advantage of sheep and rabbit farming has been done regularly.
- Also conducted workshops and seminars for the benefit of farmers of Tamil Nadu.
- Awareness programme on the importance and Conservation of Wildlife are regularly conducted to the school and college students during wildlife week celebrations.

19. Teachers and officers newly recruited:

20. Teaching- Non teaching staff ratio:

1 : 2.14

21. Improvements in the Library Services:

- Special collection of text books in Tamil is made for the benefit of students & teachers
- Bharathiar University library has been included in UGC- INFLIBNET
- Library is subscribing electronic version of current content in which, over 41057 Journals are available.
- Introduced bar coding system.

22. New books / journals subscribed and their value:

Total no of volumes added - **7602**

Amount spent on purchase of books & journals

- from University fund - **Rs. 26,40,000.00**

- from UGC plan - **Rs. 30,00,000.00**

Total Rs. 56, 40,000.00

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

- In the M.B.A. programme student assessment on teachers is done.
- The feedback is given back to the respective teachers for their Self Introspection & Improvement

24. Unit cost of education:

Unit cost of education including salary in (in Lakhs) **Rs. 1.727**

Unit cost of education excluding salary in (in Lakhs) **Rs. 1.000**

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

- Results are published through Online
- Entire Examination System is computerized
- The admission process (Departments which received more then 500 applications in the first stage) conduct of entrance exam are computerized

26. Increase in the infrastructural facilities:

The following are the physical infrastructure increased during the year 2004.

Physical infrastructure		Amount spent
• Construction of Building	-	Rs. 7, 39,700
• Rain Water Harvesting	-	Rs. 24,299
• Campus Development	-	Rs. 1, 71,741
• Providing Street Light Arrangement	-	Rs. 86,204
• Construction of Class room	-	Rs. 98,260
• EPABX	-	Rs. 74,598
• Electrification, Extension etc.	-	Rs. 26,796
• Seminar Hall	-	Rs. 4,16,993
	Total	Rs. 16, 38,591

27. Technology up gradation:

- Internet Centre is upgraded with more systems, server.
- Software for examination system is newly developed and used.

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

- Training was given to students and faculty for the use of INFLIBNET (E-journals).
- Computer training programmes were organized through Academic Staff College for faculty members and non-teaching staff
- E-mail ID is given to the members of the faculty of the University Department in the University web site – www.b-u.ac.in

29. Financial aid to students:

Scholarships

<u>Name of the Scholarship</u>	<u>Amount distributed</u>
B.C. & M.B.C.	743352.00
SC & ST	1467795.00
Other Scholarship	574198.00
Fee Concession	760200.00
G.O.I. Scholarships	16900.00
Merit Scholarships	2820.00
Others	10030.00
Total	3321331.00

30. Activities and support from the Alumni Association :

- Alumni is actively involved to support the placement activities of M.B.A. and M.C.A. students.
- Chennai and Bangalore chapters have been created for active alumni participation.
- Two students were given **Outstanding Alumni Award - 2004** by the M.B.A. Department of Bharathiar University for their **Corporate Excellence**.

31. Health services:

- Free Medical consultation is available for teachers, research scholars, students and non-teaching staff.
- Medical camps are organized for students and staff
- Created fitness centre for all. (both men & women)
- Free health camp for member of Bharathiar University is Organized
- Protected drinking water is supplied for all the departments.

32. Performance in sports activities:

- Inter collegiate championship were conducted in **35** sports disciplines (**20** for men & **15** for women)
- **23** colleges throughout Coimbatore, Nilgris and Erode districts and **7300** students participated.
- Conducted 23rd Bharathiar University Inter Collegiate Athletic Meet in which **72** colleges from Coimbatore, Erode and Nilgris districts participated
- Conducted South Zone Inter University Kabaddi tournament in which **36** Universities from Andra Pradesh, Kerala, Karnataka, Pandicherry and Tamil Nadu participated.
- Conducted All India Inter University competition.

33. Incentives to outstanding sportspersons:

- Preference in admission for all courses is given for outstanding sports performance
- Special quota of one seat in M.B.A. and M.C.A is allotted for students of outstanding sports performance. The sports persons were given additional opportunity to write the internal tests/submit the assignments when ever the attended the coaching camps/competitions.

34. Student achievement and awards:

Two research scholars were honored with **Brain Pool Post Doctorate fellowship award** in South Korea from the **Department of Chemistry**.

35. Activities of the guidance and counseling unit:

- The Department of Extension, Career Guidance of the University conducts annually **Personality Assessment Tests, Aptitude Tests and Domain Knowledge Tests** at the College and the University level.
- Remedial programmes are arranged at the College and the University level based on the feedback from the students.
- Psychology faculty provide personal counseling to the needy.

36. Placement services provided to students:

- The Department of Extension, Career Guidance of the University has encouraged the Affiliated Colleges and University Departments to establish **Career Guidance Cells** in the respective Colleges / University Departments. The Career Counselors (usually full time faculties take up as additional responsibility) are given one week training every year. Student peer group leaders are also trained by the Department of Extension, Career Guidance. On an average **650** students are trained in this academic years
- **Finishing Schools** are conducted for specific institutions, tools and companies. ABN Ambro Bank, TCS and Wipro supported this effort
- **Annual Career Fairs** are conducted for placement. On an average **8-10** fairs are conducted per year.
- To coach the students, www.careersite.com, www.apptitudecoach.com, www.civilservicecoach.org are also made available.
- Student's database has been maintained by the Department of Extension, Career Guidance to share with potential employees.
- Individual e-mail alerts are also sent wherever placement events are conducted.

37. Development programmes for non –teaching staff:

- Conducted computer training programmes for **Assistant Section Officers**. (28 participants – 12 men & 16 women).
- Conducted **two** computer training programmes for **Assistants**. (24 participants - 11 men & 13 women).
- Conducted **two** English Communication Skill programmes for **Assistant Section Officers**. (28 participants – 12 men & 16 women).
- Conducted **two** English Communication Skill programmes for **Assistants**. (24 participants - 11 men & 13 women).
- Specially arranged and conducted Orientation Programme for the **Assistant Registrars**. In this programme the focus was given on Personality Development, Psychological Approach with Public, English Communication Skill, Writing Skill and Work Management were addressed. The programme was conducted for **25 days**.
- Specially arranged and conducted Orientation Programme for the **Section Officers**. In this programme – Personality development, Psychological Approach with Public, English Communication Skill and Writing Skill, Work Management. The programme was conducted for **25 days**.

38. Healthy practices of the institution

- Free internet access to research scholars
- Weekly review of the work by the Registrar
- Monthly meeting with the Heads of the Department by the Vice-Chancellor.
- Student feedback mechanism
- Remedial coaching classes to the deserving students
- Free hostel and free education for socially backward students to promote inclusive growth
- Career guidance and counseling to students on campus and off campus

- Finishing school programmes were given to enhance employability of the students
- Active programme committees are formed under CBCS

39. Linkages developed with National / International, Academic / Research Bodies

Department of Chemistry

- Department of Science and Technology New Delhi has sanctioned **Rs. 30.00 lakhs** for the infrastructure development under DST-FIST programme.
- The Department has **international collaborations** with the following Universities.
 - **University of Heidelberg, Germany** with Prof. Dr. Gottfried Huttner in the area of the “Synthesis of Industrially Important Palladium Catalysts”.
 - **University of Stuttgart, Germany** with Prof. Dr. Helmut Bertagnolli in the area “Structural Determination of New Ruthenium Complexes” by Extended X-ray Absorption Fine Structure Spectroscopy (EXAFS).
 - **Sophia University Tokyo** with Prof. Dr. Kunio Shimizu in the study of “Binuclear Ruthenium Complexes as Molecular Wires”.
 - **Michigan State University, East Lansing, USA** with Prof. Dr. Rui Huang in the area “Structural Determination of Ruthenium and Nickel Complexes by X-Ray Diffraction Studies”.

Department of Environmental Sciences

- **DRDO – Jodhpur** has sanctioned an amount of **Rs. 9, 33,000/-** for project on, “Technology Development and Treatment Plant Designing for Nitrate and Fluoride Containing Drinking Water”, for a period of Three years
- An amount of **Rs.5, 04,000/-** has been sanctioned for project on, “Analysis of Water and Sludge Samples of Ooty Lake by PWD/WRO, Bhavani Sagar for a period of four years.

40. Any other relevant information the institution wishes to add:

- The University website is upgraded by providing all the regulations related to
 - Admission.
 - Examination.
 - Convocation.
- Department of Extension, Career Guidance and Students Welfare has organized “A Regional Workshop on **E-Learning: A Tool For Continuing Education**” on March 12th & 13th, 2005 for the benefit of teachers in the University departments and Colleges. About **60** participants attended the Workshop. The areas focused in the workshop include the following
 - i. E-learning: Concept, Functions and Opportunities
 - ii. Authoring Tools
 - iii. Learning Management System & Technology requirement
 - iv. E-Content Development

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

- Enhancing research at the faculty level.
- Improving infrastructure facilities.
- Integrating departments to facilitate inter disciplinary research.

NAAC Co - ordinator

Registrar

Vice - Chancellor