

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 : 2006 -2007

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 2006-2007.

- Submission of research proposals in the area of Nano - Technology to Department of Science & Technology.
- Establishing Constituent Colleges.
- Encouraging doctorates to apply for post-doctoral fellowship abroad.
- Encouraging each department of the University to conduct at least one National level Workshop / Seminar / Conference
- Increasing the facilities in the students hostel
- Increasing the sports facilities
- Enrolling more research scholars in new departments like nano-technology, microbial bio-technology
- Proposed to establish a centre for participatory programmes (SDE)

Part B:

1. Activities reflecting the goals and objectives 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):

- Encouraging new autonomous colleges to institute B.Com. (C.A.), BBM. (C.A.) and B.Sc. Mathematics (C.A.),
- Courses like M.S.W., M.A. (civil services) are proposed in the University
- Additional supportive courses are offered under CBCS.

3. Innovation in curricular design and transaction:

- Remedial programmes have been organized for low achievers.
- Project based courses in five year integrated programme are introduced
- Internship in leading research lab and National institutes is made mandatory for certain science programmes

4. Inter-disciplinary programmes started:

- Inter-disciplinary research programmes were initiated in Environmental Sciences, Physics, Psychology with DRDO research labs.

5. Examination reforms implemented:

- Opportunities are given to reappear for the selected papers in order to enhance the overall performance (to obtain more than 55% to be eligible for lectureship and write other competitive exams)

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

| | | |
|-------------------------|---|-----------|
| JRF | - | 29 |
| Other fellowship | - | 26 |
| Total | - | 55 |

7. Initiative towards faculty development programme:

| S.No. | Course | Participants | | Total |
|--------------|--|--------------|------------|------------|
| | | Male | Female | |
| 1. | Need Based Refresher Course in Instructional Technology & Evaluation | 12 | 8 | 20 |
| 2. | 62 nd Orientation Course | 24 | 11 | 35 |
| 3. | 63 rd Orientation Course | 7 | 25 | 32 |
| 4. | RC in Environmental Studies | 13 | 09 | 22 |
| 5. | 64 th Orientation Course | 15 | 40 | 55 |
| 6. | Refresher Course in Tamil | 17 | 14 | 31 |
| 7. | Refresher Course in Physical Science | 6 | 10 | 16 |
| 8. | Refresher Course in English | 9 | 19 | 28 |
| 9. | Refresher Course in Bioinformatics & Biotechnology | 12 | 13 | 25 |
| 10. | Refresher Course in Commerce | 14 | 19 | 33 |
| 11. | 65 th Orientation Course | 28 | 13 | 41 |
| Total | | 157 | 181 | 337 |

8. Total number of seminars/workshops conducted: 10

Department of Botany

- Workshop on **Bonsai- the Art of living Sculpture.**

Department of Computer Science

- Organized a Symposium in '**Recent Trends in Computing Technology**'.

Department of Economics

- UGC-SAP Sponsored workshop on **Research Methods in Industrial Economics.**

Department of Educational Technology

- Winter School Programme in **Andragogie Methodologies of Educational Technology Vis-à-Vis the emerging ODL Programme** in collaboration with Tamilnadu Agricultural University
- Training programme on **Educational Technology and Management.**

Department of Environmental Sciences

- Training programme in **Application of Geographical Information System and Remote Sensing in Environmental Management.**

Department of Physics

- National Conference on "**Solid State Ionics**".

Department of Tamil

- National Seminar on **Tamil Grammar.**
- Seminar on **Tamil Electronic Library.**

9. Research

- | | | |
|------------------------|---|----|
| a) Ongoing | - | 13 |
| b) Implemented in 2006 | - | 08 |

10. Patents generated, if any:

Nil

11. New collaborative research programmes:

Department of Bio-technology

- **DRDO** sanctioned **Rs. 4.68 crores** for various projects.
- **DRDO – LSRB** Sanctioned **Rs. 32.05 lakhs** for a project on “**Microbial Lipase Mediated Transistor in Citation of Jatropha Curcus Oil for Bio-Diesel Production**”.
- **Defense Agricultural research institute** sanctioned an amount of **Rs. 10 lakhs** for a project on “**Genetic Engineering of Tomato for Cold Tolerance by Expressing Anti Freeze Protein**”.
- **DRDO-INMAS** sanctioned **Rs. 9.88 lakhs** for a project on production of “**Cold Tolerant Transgenic Tomato**”.

Department of Botany

- **Parry Agro Industries** sanctioned a project on “**Biological Control of Blister Disease of Tea**”.
- **Department of Bio-technology** sanctioned an amount of **Rs. 6.86 lakhs** for a project on “**Species Recovery Plan for Endangered Fresh Water Swamp Series of Western Ghats**”.
- Mou has been signed between Bharathiar University and **Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences** for collaborative research in **Forest Conservation and Herbal Medicine**.

Department of Chemistry

- DST sanctioned **Rs. 30 lakhs** for the purpose of equipments
- DST sanctioned **Rs. 15.93 lakhs** for a project “**Ligand Bridged Ruthenium Complexes Search for New Systems with Long Range Coupling**”.
- UGC sanctioned a research projects in the **Synthesis and Pharmacological Studies of New Pyrido Cabrioles and Quinoline Alkaloids**.

Department of Economics

- UGC has sanctioned on a project on **Demand for Health Care and Willingness to Pay for Health Insurance in Coimbatore**.

Department of Physics

- DST sanctioned **Rs. 37 lakhs** for a project on **Preparation, Characterization and Performance Study of Solid Lubricant and Where Resistance Surface Coating on Textile Machinery Component**.

Department of Population Studies

- UGC has sanctioned **Rs. 4.17 lakhs** for the research project on “**Sexuality and Sexual Behavior among Unmarried Young Men in Rural and Urban Areas of Tamilnadu**”.

Department of Zoology

- UGC has sanctioned **Rs. 6.97 lakhs** for a research project on “**Cytogenetic and Molecular Genetic Analysis of Cancers Related to Women Population of Coimbatore District**”, Tamilnadu.
- DRDO has sanctioned “**Identification of Larvicidal and Anti-Material Plants Endemic to Western Ghats, Southern India**”.

12. Research grants received from various agencies:

| <u>Agencies</u> | | <u>Funds Received</u> |
|-----------------|---|-----------------------|
| UGC - JRF | - | 2, 16,520 |
| UGC - MRP | - | 18, 60,348 |
| CSIR | - | 3, 82,363 |
| CSIR Scheme | - | 7, 04,447 |
| Total | - | 21, 64,678 |

13. Details of research scholars:

| <u>Programme</u> | | <u>No. of Students</u> |
|-------------------------------|---|-------------------------------|
| M.Phil. | - | 100 (33 Men, 67 Women) |
| Ph.D. (full time) | - | 159 (88 Men, 71 Women) |
| Ph.D. awarded | | |
| - From Affiliated Colleges | - | 123 |
| - From University Departments | - | 57 |
| Total | - | 180 |

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 **0.32 – 2.47**.

15. Honors/Awards to the faculty:

- One faculty from the Department of Bio-technology has a been awarded **UK-India Education and Research Initiatives Fellowship** for one year at St. George Medical school, University of London, U.K.

- One faculty from the Department of Environmental Sciences **Visited Wageningen University in Netherlands** from 01.09.2006 to 27.02.2007 under Royal Dutch Research Foundation Programme.
- One faculty from Population Studies was elected as **Executive Committee Member for the Indian Association for the Study of Population**, New Delhi and also as **Vice-President for Alumni Association for International Institute of Population Science**
- One faculty from Department of Zoology participated in the **International Congress** and delivered a **Special Lecture** on “**Control of Mosquito Vector in Japan**”
- One faculty from the Department of Extension, Career Guidance as served as a visiting faculty in the **Department of Adult and Continuing Education, University of Mumbai**
- One faculty from the Department of Zoology received **Rashtriya Rattan award** from **International Study Circle (ISC) New Delhi**
- One faculty from the Department of Zoology received **Bharath excellence award** from RFI
- One faculty from the Department of Zoology paid a visit as **visiting faculty** to **Tokyo University and National Institute of Agro-biological Science, Japan**

16. Internal resources generated:

| | | |
|--------------------------------|---|-----------------------|
| Rent | - | Rs. 27, 97,772 |
| Sale of Books and Tender Forms | - | Rs. 12, 59,018 |
| Total | - | Rs. 40, 56,790 |
| | - | |

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

| | | |
|---------------|---|-----------------------|
| SAP | - | 03 departments |
| Economics | - | Rs. 3, 34,862 |
| Chemistry | - | Rs. 2, 40,991 |
| Biotechnology | - | Rs. 2, 70,000 |
| Total | - | Rs. 8, 45,854 |
| CSIR | - | Rs. 7, 04,447 |

UGC has sanctioned an amount of **Rs. 25.19 Lakhs** for X Plan period for **Adult and Continuing Education** and Extension and Field Outreach Programmes.

18. Community Service:

- The NSS of Bharathiar University organized **Cancer Awareness Programme** in collaboration with Sri Ramakrishna Hospital, Coimbatore.
- The NSS of Bharathiar University conducted **Book Collection Programme** **7.00 lakhs** where the used books from the students and general public were collected and distributed to rural libraries of Coimbatore, Erode and Nilgris district.

Department of Bio-technology

- Organized **Tree Planting** activity under the concept of **green fest**.

Department of Education Technology

- Designed and developed as well as maintained **Online Aptitude Test Website** for General English, Reasoning and Education.

Department of Environmental Science conducted

- Environmental Awareness Programme
- Vermi Composite Training Programme
- Greening the environment Plantation Programme
- Anti-Plastic Campaign
- Environmental and Forest Conservation programme for school children.

Department of Extension, Career Guidance

- Conducted **Health Care Assistance Course** for socially and economically deprived students of Nilgris district through Kothagiri Community College

Department of Tamil

- Organized **Youth Festival 2006** for the students of affiliated colleges.

Department of Zoology organized

- Adult Continuing – Awareness programme.
- Blood group identification for Students, Staff and Faculty of Bharathiar University, Neighbouring Institute and Affiliated Colleges.
- Regular Karyotype studies for the patients referred by the clinicians of different hospitals in and around Coimbatore city.
- Regular on the job – Training in the Human Cytogenetic techniques for College Students of own and other University.
- Toxicity testing for other institutions.
- Along with Tamilnadu Public Health and Preventive Medicine, Coimbatore organized a programme for mosquito control with DRDO developed Bio-formulations in the Corporation and Panchayats, (Vadavalli), Coimbatore.

- Participated in the Chikungunia eradicating work in the form of Biopesticide spray operations for the mosquito and flies control at the Chikungunia affected areas (Kalveerampalayam, Vadavalli, Boomanamapalayam and near by places).
- Endocrine and Reproductive Counseling for the patients referred by the clinicians of different hospitals in and around Coimbatore city.
- Conducted on the Job Summer Training Programme in “Human Cytogenetic Technique” to be College students.

19. Teachers and officers newly recruited:

| | | |
|---------------------------|---|-----------|
| Teaching Staff Recruited | - | 42 |
| From the Same Institution | - | 02 |
| From other Institution | - | 36 |
| From other States | - | 04 |
| Total | - | 42 |

20. Teaching- Non teaching staff ratio:

1 : 3

21. Improvements in the Library Services:

- To have access to Internet, **512 KBPS SCPC VSAT** Connectivity is established.
- Additional Computers are installed in the library for e-sourcing (**15 Computers**)
- By Subscribing the membership of e-journal consortium nearly **4000 journals** from **15 National and International publications are subscribed**
- Temporary appointment of staff for borrower service

22. New books / journals subscribed and their value:

| | | |
|-------------|---|-------------------------|
| Books | - | Rs. 37, 90 lakhs |
| Periodicals | - | Rs. 10, 00 lakhs |
| Total | - | Rs. 47, 90 lakhs |

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

Feedback mechanism is introduced at the department level which forms the basis for

- introduction of new papers.
- revision of existing papers.
- self appraisal of individual teachers.

24. Unit cost of education:

Unit cost of education including salary is (in Lakhs) **Rs. 0.417**

Unit cost of education excluding salary is (in Lakhs) **Rs. 0.0952**

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

- Purchased a Laser Printer for printing mark sheets continuously.
- Internal marks are received from the Colleges and University Departments through Internet.
- The Bio-Data of the 1st year students of Affiliating Colleges and University Departments are accessed through Internet to create a data bank of the students.

26. Increase in the infrastructural facilities:

BSMED **Seminar Hall** has been renovated for the Bharathiar School of Management and Entrepreneur Development (with a smart class room, furniture)

27. Technology up gradation:

- Established ATM Centre of State Bank of India.
- Networking of all computer systems in the University through Fiber Optic Cables with a high end server.

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

- Induction programme in the beginning of each academic year for Post Graduate students is conducted. It facilitates the students to know about the infrastructure available in terms of physical and academic, for the use

29. Financial aid to students:

| <u>Name of the Scholarship</u> | <u>Amount Distributed</u> |
|--------------------------------|---------------------------|
| B.C. & M.B.C. | 9, 86,361.00 |
| SC & ST | 12, 68,390.00 |
| Merit Scholarships | 7, 347.00 |
| Total | 22, 62,098.00 |

30. Activities and support from the Alumni Association :

- Department of Commerce organized first alumni meet.

31. Health services:

- Emergency Health Service is provided to the students and the staff by creating tie-up with nearby hospitals.
- Training in First Aid is given to the students by Youth Red Cross Zone.

32. Performance in sports activities:

- The Department of Physical Education organized South and West Zone Inter University Kho-Kho women tournament.

Football (Men)

- Football A-Zone winners

Kabaddi (Men)

- Winners - CICAA Kabaddi tournament
- Winners - Bharathiar University inter collegiate Kabaddi (Men) tournament

Softball (Men)

- Runners - Coimbatore Inter Collegiate Athletic Association Tournament

Handball (Men)

- Winners - Coimbatore Inter Collegiate Athletic Association Tournament
- Winners - Bharathiar University inter collegiate Handball tournament

Athletics (Men)

- Got second and third place in half marathon running race conducted by Coimbatore Athletic Association.

Wrestling

- First place in senior state level Wrestling Championship – 2006

Weight lifting (Women)

- Winners - Bharathiar University Collegiate tournament
- Winners - Coimbatore Weight Lifting Association Championship for the year 2006

Power lifting (Women)

- Winners - Bharathiar University Inter Collegiate tournament

Athletics (Women)

- Runner - Bharathiar University Inter Collegiate Athletic meet 2006-2007

Ball badminton (Women)

- Runner - the Bharathiar University Inter Collegiate Ball badminton tournament

Handball (Women)

- Runner - Bharathiar University Inter Collegiate Handball tournament

Table Tennis (Women)

- Runner - Bharathiar University Inter Collegiate Table Tennis tournament

33. Incentives to outstanding sportspersons:

- Preference in admission for M.C.A. and M.B.A. programmes is given for outstanding sports persons.
- The students of B.P.Ed. and M.P.Ed. are given preference during the admission for higher education.

34. Student achievement and awards:

Department of BSMED

- One student received **gold medal** in the founder's day celebration organized by Karur Vysya Bank.
- Team of MBA students received **first prize** for the **Best Management Team** intercollegiate B-School Competition organized by Nehru College of Management.
- A team of MBA students received **first prize for Best Management Team** intercollegiate B-School Competition conducted by GRG School of Management (Urjith 2006).
- One student of the department received **best outgoing student** award from Coimbatore Management Association.

Department of Bio-Technology

- One student has received **DST Women Scientist Award**.
- One student from the Department of Mathematics received **Post-Doctoral Fellowship at National Changkung University, Taiwan**.
- One student from the Department of Zoology received **Project Award** from Tamil Nadu State Council for Science and Technology.
- Students of MCA department won the overall shield in CONFIT B, 06 conducted by Sankara Arts and Science College.

- Students of MCA department won prizes in the following competition conducted by
 - Login'06 conducted by PSG College of Technology
 - Edify'06 conducted by PKR College of Arts and Science
 - Iconoclast'06 conducted by Coimbatore Institute of Management and Technology.

Department of Physics

- Received **Young Scientist Award** from Dublin University, Ireland

35. Activities of the guidance and counseling unit including career counseling :

- The psychology faculty provides personal counseling for the students
- The Department of Extension, Career Guidance hosted model aptitude tests for **on-line assessment**

36. Placement services provided to students:

Career Fairs conducted by Bharathiar University, Coimbatore
Department of Extension, Career Guidance and Students Welfare

| S.No | Date | Place | No. of Participants | No. of Candidate Selected | Conversion rate | Course / Degree | Companies Visited |
|------|---|---|---------------------|---------------------------|-----------------|--|--|
| 1. | 28 th and 29 th Jan,06. | Sri Krishna College of Arts and Science, Coimbatore | 2270 | 200 | 8.8 | All branches of Arts and Science UG and PG | Sutherland, HCL, Perot Systems, IC Info Tech and 24/7 Customer Service |
| 2. | 19.2.06 | Sri Vasavi College, Erode | 1550 | 290 | 18.7 | All branches of UG | Progeon, Trayee, Transworks, Genpact, Spheris, B2K |
| 3. | 20.2.06 | Emerald Heights College, Ooty | 428 | 104 | 24.2 | All branches of UG | Progeon, Trayee, Transworks, Genpact, Spheris, B2K |
| 4. | 25 th and 26 th Feb,06 | Kovai Kalaimagal College, Coimbatore | 1002 | 45 | 4.4 | MBA, MIB, M.COM | Scope International, Chennai |
| 5. | 20.4.06 | Bharathiar University | 562 | 8 | 1.4 | MCA, M.Sc (CS) and Engineering | M/s Oracle (Bangalore) and SAP Labs (Bangalore) |
| 6. | 29.4.06 | Bharathiar University | 993 | 38 | 3.8 | B.E., MCA, M.Com (CA) | Genpact, B2K Corp., Wipro and Transworks |
| 7. | 30.4.06 | Bharathiar University | 326 | 33 | 10.1 | B.E., MCA, M.Com (CA) | Genpact, B2K Corp., Wipro and Transworks |
| 8. | 30.5.06 | Bharathiar University | 202 | 54 | 26.7 | B.SC (CS), BCA | Sathyam Computer Services Ltd, Hyderabad |
| 9. | 23 rd and 24 th Sept.06 | Bharathiar University | 1000 | 40 | 4 | All branches of Arts and Science UG and PG | ABN Ambro, Karvy, Expertus (Kotak Securities, SBI Life Insurance, ICICI Bank, IndusInd Bank), Tutors World Wide GRO, Maserk, GetFriday-A TTK Group and Temenos |
| 10. | 15.10.2006 | Sri Krishna Arts and Science College | 141 | 21 | 14.8 | B.Sc maths, Statistics, Physics, Computer Science and IT passed out graduates (2006 year only) | M/s Wipro (Chennai) |

| | | | | | | | |
|-----|--|---|------|-----|-------------|--|---|
| 11. | 18 th and 19 th Oct 06 | Bharathiar University | 87 | 27 | 31 | B.Sc maths, Statistics, Physics, Computer Science and IT passed out graduates (2006 year only) | Pantaloon |
| 12. | 28 th and 29 th Oct, 06 | Kovai Kalaimagal School, Coimbatore | 1053 | 157 | 14.9 | B.Sc maths, Statistics, Physics, Computer Science and IT passed out graduates (2006 year only) | Pantaloon |
| 13. | 4 th Nov, 06 | Sri Krishna Arts and Science College | 40 | 10 | 25 | All branches of UG | Caritor India |
| 14. | 10 TH Dec.06 | Bharathiar University | 329 | 39 | 8.8 | B.Sc maths, Statistics, Physics, Computer Science and IT (2007 Batch only) | WIPRO and DR.Reddy's Lab |
| 15. | 15 TH Dec.06 | Bharathiar University | 5787 | 377 | 6.5 | All branches of UG and PG | 24/7 Customer Service, India infoline, cognizant, ICICI, ABN Amro, Trayee and MMC, Allsec, Omnisent, Transworks, People N time, Perot system, Sutherland, Techruit, Wipro |
| 16. | 16 th Dec. 06 | Sree Saraswathi Thiyagaraja College | 1154 | 249 | 21.5 | All branches of UG and PG | 24/7 Customer Service, India infoline, ICICI, ABN Amro, Trayee and MMC, Allsec, Omnisent, Transworks, People N time, Perot system, Sutherland, Techruit, Tech Mahindra |
| 17. | 17 th Dec. 06 | Vellalar College for Women | 2497 | 343 | 13.7 | All branches of UG and PG | 24/7 Customer Service, India infoline, cognizant, ICICI, ABN Amro, Trayee and MMC, Allsec, Omnisent, Transworks, People N time, Perot system, Sutherland, Techruit, Wipro |
| 18. | 18 th Dec. 06 | Emerald Heights College, Ooty. | 583 | 168 | 28.8 | All branches of UG and PG | 24/7 Customer Service, India infoline, cognizant, ICICI, ABN Amro, Trayee and MMC, Allsec, Omnisent, Transworks, People N time, Sphresis, |

37. Development programmes for non - teaching staff:

The non-teaching staff members have been permitted to do M.Phil and Ph.D. programmes. Fee concessions were given in the school of distance education.

38. Healthy practices of the institution

Department of Tamil

- Organized **Youth festival 2006** and **Intercollegiate Cultural Festival** involving Students of all Affiliated College.
- Monthly grievance cell meeting of all the Stakeholders is held in the first Monday of every month. The Vice-chancellor, Registrar, Controller of examinations and Director of distance education used to received petitions from the students / public and many issues were settled on the same day

39. Linkages developed with National / international, academic / research bodies

Department of Bio-Technology

- **BU-DRDO CLS** has sanctioned an amount of **Rs.2.68 Crores** for projects on
 - **Identification of Protein Makers, in High Aptitude Pulmonary Edema (HAPE) : A Proteomic Approach**
 - **Identification of DNA maker for high attitude performance / acclimatization using Microarray technology**
 - **Developing Protein Molecular Work Station in the Analysis of Critical Elements of Enzymes : Cholinesterases**
 - **Transformation of tomato for increasing tocopherol synthesis by r-tocopherol methyl transferase gene** to the members of the faculty.

- **DRDO –LSRB** has sanctioned an amount of **Rs.32.05 Lakhs** for project on **“Microbial Lipase Mediated Transesterification of Jatropha Circus Oil for Bio Diesel Production”** to the faculty member.
- **Defence Agricultural and Research Institute, Pittorgarh** has sanctioned an amount of **Rs.10 Lakh** for a project on **“Genetic Engineering of Tomato for Cold Tolerance by Expressing Anti-Freeze Protein (AFP)”** to the faculty member.
- **DRDO –INMAS** has sanctioned an amount of **Rs.9.88 Lakhs** for a project on **“Production of Cold Tolerant Transgenic Tomato using RCi2/LT Gene from Arabidopsis Thaliana”** to the faculty member.

Department of Botany

- An MOU is signed in 2006, between the Department of Botany, Bharathiar University and **Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences** for collaborative research in Forest Conservation and Herbal Medicine.

Department of Chemistry

- **The Department of Science and Technology, Ministry of Human Resource Development, New Delhi** has sanctioned **Rs.15.93 Lakhs** for the project **“Ligand Bridged Ruthenium Complexes – Search for New Systems with Long Range Coupling”**.
- A major research grant was sanctioned by **Council of Scientific and Industrial Research, New Delhi** for 3 years Title: **“Synthetic Studies on Indoloquinoline and Quinoline Alkaloids”**. Grant sanctioned - **Rs.6,21,000/-**

Department of Environmental Sciences

- Collaborated a project with **Water Technology Centre, TNAU** for **Development and Adoption of Appropriate Technology for Wasteland Improvement Through Demonstration Model in and Around Foothills of Marudhamalai Region of Noyyal River Basis**, WTC.GOI Scheme – Wasteland development, Govt. of India
- **DRDO – Jodhpur** has sanctioned an amount of **Rs.9, 33,000/-** for a project on **“Technology Development and Treatment Plant Designing for Nitrate and Fluoride Containing Drinking Water”**, to the faculty member.
- **DRDO – Tezpur** has sanctioned an amount of **Rs.4, 97,000/-** for the project on **“Designing a Household Water Purification System for Arsenic and Fluoride Removal”** to the faculty member.
- **Ministry of Defence, Government of India** has sanctioned an amount of **Rs.4.97 Lakhs** for a project on **“Reference Database for the Requirement of Indian Women Pilote and Design of Personal Equipments – Phase- III”** to the faculty member.

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

- In order to support the SC/ST students towards enrolment for higher education a **Constituent College at Valparai (tribal area)** was established with
 - **04 programmes**
 - **08 teachers**
 - **240 students.**

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

- Monthly grievance cell meeting of all stakeholders in the first Monday of every month to be continued.
- Strengthening of M.Sc. Medical Physics programme with industry (Hospital) is planned
- Orientation for newly recruited faculty on project formulation is proposed
- Faculty wise review by the Vice-Chancellor and planning for new research proposals.
- Circulation of the applications, models, details of funding agencies to faculty to increase the number of funded research of the institution is also proposed

NAAC Co - ordinator

Registrar

Vice - Chancellor