ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2012 – 2013

Submitted to
National Assessment and Accreditation Council
Bangalore – 560 072

BHARATHIAR UNIVERSITY

State University

Coimbatore – 641 046, South India

Re-accredited with 'A' grade by NACC

Bharathiar University: Coimbatore – 46

Internal Quality Assurance Cell (IQAC)

The Annual Quality Assurance Report (AQAR) - 2012-13

Part – A

1. Details of the Institution

1.1 Name of the Institution	:	Bharathiar University
1.2 Address Line	:	Maruthamalai Road
City/Town	:	Coimbatore
State	:	Tamil Nadu
Pin Code	:	641046
Institution e-mail address	:	vc@buc.edu.in, regr@buc.edu.in
Contact Nos.	:	+91-422-2428108, 2428111, 2428114, 2422203
Name of the Head of the Institution	:	Dr. G. James Pitchai, Vice - Chancellor
Tel. No. with STD Code	:	091-422-2422387
Mobile	:	+91-97897 97585
Name of the IQAC Co-ordinator	:	Dr. B. Vanitha
Mobile	:	+91-98428 17131
IQAC e-mail address	:	naac.buiqac@gmail.com
1.3 NAAC Track ID	:	Yet to be generated
1.4 NAAC Executive Committee No. & Date	:	EC/52/RAR/106 *dated* 26-3-2010
1.5 Website address	:	www.b-u.ac.in
Web-link of the AQAR	:	http://www. b-u.ac.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A			
2	2nd Cycle	A	3.02	2010	2015

1.7 Date of Establishment of IQAC   :   21/10/2009

1.8 AQAR for the year   :   2012-13

1.9 Details of the previous year's AQAR submitted to NAAC:

AQAR 2010-11 submitted on 26.12.2013

AQAR 2011-12 submitted on 02.06.2014

1.10 Institutional Status

University   State ✓   Central ☐   Deemed ☐   Private ☐

Regulatory Agency approved Institution   Yes ✓   No ☐

Type of Institution   Co-education ✓   Men ☐   Women ☐

Urban ☐   Rural ✓   Tribal ✓

\Financial Status   Grant-in-aid ✓   UGC 2(f) ✓   UGC 12B ✓

Grant-in-aid + Self Financing ✓

1.11 Type of Faculty

Arts ✓   Science ✓   Commerce ✓   PEI (Phys Edu) ✓

TEI (Edu) ✓   Engineering ✓   Management ✓   Law ☐

Health Science ✓   Others   Social Sciences

1.12 Name of the Affiliating University *(for the Colleges)***:** Not Applicable

1.13 Special status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University: State

University with Potential for Excellence	☐	UGC-CPE	☐
DST Star Scheme	☐	UGC-CE	☐
UGC-Special Assistance Programme	✓	DST-FIST	✓
UGC-Innovative PG programmes	✓		
UGC-COP Programmes	☐		

Any other (*Specify*) :   1. BU – DRDO Centre for Life Sciences

2. UGC - BSR

2. IQAC Composition and Activities

2.1 No. of Teachers	:	11
2.2 No. of Administrative/Technical staff	:	01
2.3 No. of students	:	02
2.4 No. of Management representatives	:	02
2.5 No. of Alumni	:	02
2. 6 No. of any other stakeholder and	:	01
community representatives		
2.7 No. of Employers/ Industrialists	:	01
2.8 No. of other External Experts	:	03
2.9 Total No. of members	:	21
2.10 No. of IQAC meetings held	:	02

2.11 No. of meetings with various stakeholders:

Faculty	05	Students	02
Non-Teaching Staff	01	Alumni	01

2.12 Has IQAC received any funding from UGC during the year?

Yes ✓ No ☐

If yes, mention the amount : Rs. 5 Lakhs

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. 04 International ☐ National 01 State ☐ Institution 03

(ii) Themes:

- Quality Enhancement in Teaching, Research and Extension Activities

- Quantifying Quality Parameters in Terms of Performance Indicators

2.14 Significant Activities and contributions made by IQAC

- Organized training programmes for non-teaching staff on latest trends and technologies for e-Governance

- Encouraged young faculty to undertake major research projects towards which workshops on project writing were conducted

- Encouraged to create awareness on Cyber Crimes and Cyber Security by the Department of Computer Applications

- Supported to conduct International Congress on Global Warming on Bio-diversity by the School of Biological Sciences

2.15 Plan of Action by IQAC/Outcome

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

Plan of Action	Achievements
Conduct of Seminars & Conferences on the topics of National interest:	• Conducted National seminar on '**Industries based PLC & SCADA**' by the Department of Electronics and Instrumentation • Conducted National seminar on 'Environment and Sustainable Development – Indian Perspective' by the Department of Economics • Conducted National seminar on 'Current Concepts in Bioinformatics' by the Department of Bioinformatics • Conducted National seminar on 'Green Initiatives – Future Perspectives' by BSMED. • Conducted National Conferences on "New Vistas for the Business Beyond 2020' by BSMED. • Conducted International Conference on 'Science Fiction' by the Department of English & Foreign Languages,
Conduct of Seminars & Conferences to promote the recent development areas of the discipline:	• Conducted International Seminar on 'Research in Computers – Why? What and How?' by the Department of Computer Applications. • Conducted 'Language Training' for the students from Malaysia by Department of Linguistics, Bharathiar University. • Short term course on SPSS Hands on Training • Conducted Workshop on "Disaster Management" for NSS Programme Officers • Conducted Workshop on Accounts Procedures for University / College Administrative Staff
Conduct of Staff Training Programme:	• Conducted Soft Skills and aptitude training programme by the Department of Computer Applications • Conducted Entrepreneurship and skill development programme by BSMED

Activities for enhancing Placement and skill development of the students:	• Conducted Placement training by the Department of Extension, Career Guidance and Students Welfare • Conducted NET coaching classes for SC/ST/OBC non-creamy layers by all the Departments of the University • Conducted Civil Services Coaching by Anna Centenary Civil Services Coaching Centre

2.15 Whether the AQAR was placed in statutory body   Yes ☑ No ☐

   Management ☐   Syndicate ☑   Any other body ☐

Provide the details of the action taken

The details collected from the University departments were used for the preparation of this AQAR. The completed report was placed before the Syndicate for perusal.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	32	0	0	0
PG	39	0	3	09
UG	01	0	12*+29**	0
PG Diploma	04	0	13*+15**	01
Advanced Diploma	0	0	09*	0
Diploma	0	0	20*+09**	0
Certificate	0	0	07*	0
Total	**76**	**0**	**155**	**10**
Interdisciplinary	07			
Innovative	01			

*   - Centre for Collaboration for Industry and Institution

** - Centre for Participatory and Online Programme

1.2   (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

- University follows Choice Based Credit System since 2000- 2001.

- A minimum of 4 core papers per semester are offered in each Department (in some

  departments 5 core papers are offered per semester)

- Students have the option to select Elective papers for first 3 semesters for 2 year PG program and for first 5 semesters in the case of 3 year PG program. Each department offers a Minimum of 2 Elective papers (in some departments even 4 papers are offered) out of which the students have the option of selecting one paper per semester. In total there are around 180 Elective papers offered by all the departments.

- One Supportive paper per semester for 3 semesters for the students from other departments is offered in each Department.

Project work at PG level is mandatory for the all the programs in the 4th or 6th semester. In some departments field visits and institutional training are part of their curriculum.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	All PG Programmes (39)
Trimester	-
Annual	Programmes offered under CCII and CPOP

1.3 Feedback from stakeholders *(On all aspects)*

Alumni [✓] Parents [ ] Employers [✓] Students [✓]

Mode of feedback: Online [ ] Manual [✓] Co-operating schools (for PEI) [ ]

Consolidated Report of the Student Feedback on Teachers Collected Semester-Wise for University Departments

Sl.No.	Rating factors	Mean Score	Rank
1	Preparation for the class	4.00	1
2	Punctuality in conducting class	3.92	3
3	Planning and completion of the syllabus on time	3.90	4
4	Clarity of Presentation	3.82	5
5	Quality of language	4.30	2
6	Quality of voice	3.91	6
7	Methodology used to impart the knowledge (Use of blackboard, Charts, teaching aids,)	3.30	7
8	Active learning methodology used like Group discussion, Tutorials, Assignments and Seminars, Field visit, Quiz etc	3.80	8
9	Availability to students outside class hours for clarification, Counselling, Career guidance, etc.	3.60	9
10	His / Her role as a Mentor / Motivator / Guide / Facilitator / Counsellor	3.89	10

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- The curriculum gives much importance to laboratory-based components

- The curriculum also gives emphasis on mini-projects and projects where students are expected to develop a real-time industrial applications/ module required for the software company. Hence students are exposed to industrial environment

- Case studies are included in the syllabus so that students are involved in the learning process and this would make learning effective

- Importance is given to improve teaching-learning process through usage of Information and Communication Technology.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Yes. The following departments are created during the year 2012 -13:

1. **Department of Econometrics**

2. **Department of Textiles & Apparel Design**

Department of Econometrics

The Department of Econometrics was established in the year 2012. The department is focusing on teaching and research in Econometrics emphasizing theoretical, methodological and conceptual issues in economics along with applications to socially relevant issues and policies. Panels of eminent experts evolved these courses with a futuristic perspective. The Department provides guidance and facilities to the student for pursuing M.Sc., M.Phil, and Ph.D., in Econometrics. The goal of the department is to educate the student in order to develop leadership qualities and to acquire hands on experience and knowledge. It also provides opportunity for the students to know about the direct applications of Econometrics in several fields of practical interest and to do further research in econometrics that would nurture quality teaching and research programs in econometrics. The students having the undergraduate degree in Mathematics as an ancillary paper are eligible to apply the M. Sc. programme. The course exposes the learners to industry Professional and provides assistance to develop the connections they need to achieve good career prospects. By the time the students complete their post graduation, they will have necessary skills and technical ability to be hired by professional bodies.

Department of Textiles & Apparel Design

The Department of Textile and apparel Design at Bharathiar University educates students for a career in the Textiles, Apparel and Garment industry. The mission of the department is accomplished with Master of Science degree programme that seek to promote academic excellence to the student with a thorough background in fundamental concepts of scientific, technological and management principles and ability to define and solve challenging technological and managerial problems in the field of Textile and Apparel industry. An essential component of the department's mission is the development of new knowledge through research and the subsequent transfer of this knowledge to both the textile complex and society.

Facilities

The Department has well equipped and modernized labs with specialized facilities. Notable among these are the upcoming Textile testing lab for Technical textiles in collaboration with the Facilities available with BU-DRDO CENTRE FOR LIFE SCIENCES. The focus of the Centre is to carry out Research and Development activities in the Textile Science, aimed at meeting needs of the Indian defense sector catering through Technical textiles.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
141	71	30	39	01

2.2 No. of permanent faculty with Ph.D: 132

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
-	39	-	6	-	4				49

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest faculty	Visiting faculty	Temporary faculty
31	NIL	22 (UGC 11th plan)

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	86	122	14
Presented papers	103	127	28
Resource Persons	28	105	41

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Case studies, Summer projects, Institutional training and Internship for students are included in the curriculum.

- Need based institutional visits and field trips are also introduced.

- Remedial Coaching for slow learners and Bridge Courses for students admitted from multiple disciplines are also offered.

- Induction program in the first week of the reopening of the University to introduce the students about various facilities, availability of optional and elective papers for their choice and availability of various forums and clubs for their extracurricular activities is also undertaken.

- To incorporate Information and Communication Technology in curriculum Smart Class Rooms with video conferencing facilities have been installed in all the departments.

2.7 Total No. of actual teaching days during this academic year:

- 186 (One Hundred and Eighty Six)

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Students can get the photo copy of their answer scripts on payment of nominal fee

- Students can apply for Revaluation of papers

- Students write exams in answer booklets with fixed number of pages to avoid excessive use of papers

- The first page of the answer scripts are given with OMR to facilitate speedy and easy identification of the students name and the paper

- The Common Entrance Test for M.Phil and Ph.D is conducted by all the Departments. Bharathiar School of Management and Entrepreneur Development conducts CET through online

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

- All the teachers with the teaching experience of more than 5 years are included as members of the Board of Study

2.10 Average percentage of attendance of students: 94%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
Master of Computer Applications	56	39.29	60.71	-	-	96.55
Master of Computer Applications (SS)	44	38.64	61.36	-	-	88.00
M.Sc Mathematics (C.A)	30	76.67	23.33	-	-	96.77
M.Sc Bioinformatics	19	57.89	42.11	-	-	95.00
M.Sc Biotechnology	16	18.75	75.00	6.25	-	88.89
M.Sc Botany	19	73.68	26.32	-	-	95.00
M.Sc Chemistry	21	14.29	85.71	-	-	67.74
Master of Journalism & Mass communication	18	5.56	61.11	33.33	-	85.71
M.Com Finance & Computer Apln	25	28.00	68.00	-	-	96.15
M.Com Finance & Accounting	21	28.57	71.43	-	-	84.00
M.Sc Computer Science	38	26.32	73.68	-	-	97.44
M.Sc Information Technology	37	54.05	45.95	-	-	92.50
M.A Economics	18	5.56	94.44	-	-	94.74
M.Sc Applied Econometrics	18	5.56	94.44	-	-	100.00

M.A Educational Communication	3	33.33	66.67	-	-	75.00
M.Sc Electronics & Instrumentation	26	7.69	92.31	-	-	100.00
M.A English Literature	36	47.22	52.78	-	-	90.00
M.Sc Environmental Sciences	22	45.45	54.55	-	-	100.00
M.A Linguistics	3	33.33	66.67	-	-	100.00
M.Sc Mathematics	30	33.33	66.67	-	-	81.08
Master of Business Administration	54	-	79.63	20.37	-	93.10
Master of Business Administration (SS)	51	-	62.75	35.29	-	89.47
M.Sc Industrial Biotechnology	19	42.11	57.89	-	-	95.00
M.Sc Nano Science & Technology	19	21.05	78.95	-	-	95.00
Master of Physical Education	41	4.88	95.12	-	-	87.23
M.Sc Physics	20	30.00	70.00	-	-	100.00
M.Sc Applied Psychology	31	16.13	83.87	-	-	93.94
M.Sc Statistics with C.A	14	-	85.71	14.29	-	93.33
M.Sc Statistics	17	11.76	88.24	-	-	100.00
Master of Social Work	38	2.63	73.68	23.68	-	97.44
M.A Tamilology	43	69.77	30.23	-	-	95.56
M.Sc Textiles & Apparel Design	20	85.00	10.00	-	-	80.00
M.A Women's Studies	4	50.00	50.00	-	-	100.00
M.Sc Zoology	24	33.33	66.67	-	-	96.00

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- There are CBCS committees at the University level & at the Departmental level. The IQAC through these committees review the course content, teaching methods, completion of syllabi and assessment methods & provide regular feedback to the respective BOS.

- Feedback is obtained from all stake holders such as industrial experts, alumni, students and parents. The feedback is analyzed and the necessary changes are incorporated during the design and the development of curriculum by the BOS.

- Regular academic audit of the Department is carried out by a team consisting of experts from renowned institutions. The feedback given by them on all aspects, including curricula, is considered and accordingly actions are taken.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	402
UGC – Faculty Improvement Programme	02(PDF)
HRD programmes (workshop on e-content development)	14
Orientation programmes	149
Faculty exchange programme	-
Staff training conducted by the university	62
Staff training conducted by other institutions	06
Summer / Winter schools, Workshops, etc.	53
Others (faculty training for the use of national level e-resources)	06

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees (318)	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	390	117	12	NIL
Technical Staff	90	41	1	NIL

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Organized interaction programmes for PhD scholars

- Encouraged every Department to sign MoUs with institutions of National/ International importance

- Conducted faculty training programmes on research related topics

- Initiated the regular conduct of popular lecture series

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	12	56	18	20
Outlay in Rs. Lakhs	1,27,62,758	8,08,17,557	1,47,09,953	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	05	01	-	-
Outlay in Rs. Lakhs	7,01,000	1,40,000	-	-

3.4 Details on research publications

	International	National	Total
Peer Review Journals	402	214	635
Non-Peer Review Journals	-	07	07
e-Journals	19	2	21
Conference proceedings	150	230	380

3.5 Details on Impact factor of publications:

Range | 0.65 to 6.66 | Average | 08 | h-index | 2-22 | Nos. in SCOPUS | 202

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Ongoing	Completed	Total	Name of the funding Agency	Total grant sanctioned	Received
Major projects	56	12	68	UGC,CSIR,ICSSR,DST, NBHM,DBTTASK,DRDO DIPAR,CCRI,DBT,MK UNIVERSITY,ICMR,DST-TNCST,DIT,UKERI,DST DPG,DST DAE,DIHAR,DST DRDO,DMA,DST WOS,NDPC,DST SERB,DST ,NANO MISSION,DBT CTEP,IIPA,BRNS	9,55,27,510	4,57,62,750
Minor Projects	1	5	6	UGC, MEA	8,41,000	60,000
Interdisciplinary Projects	-	-	-	-	-	-
Industry sponsored	-	-	-	-	-	-
Projects sponsored by	-	-	-	-	-	-

TheUniversity/ College						
Students research projects *(otherthan compulsory by the University)*	-	-	-	-	-	-
Any other(Specify)	-	-	-	-	-	-
Total	57	17	74	-	9,63,68,510	4,58,22,750

3.7 No. of books published [12]   Chapters in Edited Books [44]

3.8 No. of University Departments receiving funds from

UGC-SAP [06]   UGC-BSR [07]   UGC-Innovative Scheme [01]

DST PURSE [04]   DST-FIST [05]   DPE [-]

DBT Scheme/funds [-]   CAS [-]

3.9 For colleges: Not Applicable

3.10 Revenue generated through consultancy: NIL

3.11 No. of conferences/ Seminars/ Workshops organized by the Institution

Level	International	National	State	University
Number	21	65	23	12
Sponsoring agencies	UGC	UGC	UGC	UGC

3.12 No. of faculty served as experts, chairpersons or resource persons: 152

3.13 No. of collaborations   International :   02   National : 02

3.14 No. of linkages created during this year: 05

3.15 Total budget for research for current year in crores:

From Funding agency and UGC	**:**	7.12 crores
From Management of University/College	**:**	1.65 crores
Total	**:**	8.77 crores

3.16 No. of patents received this year   :   Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows

of the institute in the year

Total	International	National	State	University	Dist	College
21	03	11	02	01	03	01

3.18 No. of faculty from the Institution who are Ph. D. Guides :   154

and students registered under them   :   151 (admitted in 2012-13)

3.19 No. of Ph.D. awarded by faculty from the Institution   :   164

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF: 55   **SRF**: 28   **Project Fellows**: 56   **URF**: 41

3.21 No. of students Participated in NSS events:

University level	**:** 600	**State level**	**:** 6350
National level	**:** 29	**International level**	**:** 02

3.22 No. of students participated in NCC events :   Not Applicable

3.23 No. of Awards won in NSS:

University level	**:** Nil	**State level**	: 06
National level	: 04	**International level**	: Nil

3.24 No. of Awards won in NCC: Not Applicable

3.25 No. of Extension activities organized

    University forum: 03   **College forum:**   02   **NSS:**   06

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- University NSS volunteers have participated various National Integration Camps

- Awareness Program on Electricity Consuming

- Blood Donation Rally

- Awareness campaign on Tamil Literature, Culture and Society

- Conducted campaign on Importance of Literacy and Reduction of School dropouts

- Environmental Awareness Program

- Seminar on Green Initiatives to create awareness on sustainable environment

- Counselling activities to prison officers for humanistic orientation in dealing with the prisoners

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	976.81 Acres	-	Government of TamilNadu	976.81 Acres
Class rooms in sq.ft	34581.46	21497.25	Funds from UGC, University and TamilNadu Government	56078.71
Laboratories in sq.ft	68024.35	728.94		68753.29
Seminar Halls in sq.ft	14165.77	963.81		15129.58
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	-	20	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	2,06,59,044	-	-
Others	-	-		-

4.2 Computerization of administration and library

- Computerization of administrative units such as Finance Office, Research and Development Centre, Establishment section is ongoing.

- Office of the Controller of Examinations has been fully computerized. Activities such as registration of candidates, preparation of hall tickets allotment of dummy numbers, preparation of statement of marks, provision of migration and provisional certificate, receipts of evaluation reports of research scholars are computerized.

- The transactions in the library are computerized in terms of book circulation, Online Public Access Catalog and Bar-coding. Provisions are made to provide internet access to our library users so as to enable them to access the various learning resources available in the academic websites.

- Bharathiar University is one of the centres of National Knowledge Network under which 50Mbps connectivity is obtained.

4.3 Library services:

	Existing		Newly added		Total	
	No.	**Value**	**No.**	**Value**	**No.**	**Value**
Text Books	1,47,186	-	7116	61.38	1,54,302	-
Reference Books	4,024	-	358	-	4,382	-
e-Books	2,700	-	-	-	2,700	-
Journals	139	17.33	104	10.36	243	27.69
e-Journals	11000+	Free	-	-	11000+	Free
Digital Database	01	01.63	01	08.48	02	10.11
CD & Video	136	00.36	-	-	136	00.36
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1316	26	01	01	-	42	31	-
Added	107	03	-	-	-	02	02	-
Total	1423	29	01	01	-	44	33	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- Every Department is provided with Smart Class Rooms with video conferencing facilities. Most of the daily lectures are handled using power point presentations.

- There are many Faculty Development Programmes on ICT enabled teaching and learning organized in coordination with ICT Academy of Tamilnadu. Besides, Academic Staff College and Directorate of Distance Education also conduct regular staff training programmes on use of ICT in teaching learning, evaluation process.

- The faculty members, scholars and students are provided with Wi-Fi connectivity at free of cost. They can access the internet connectivity anywhere in and around the University campus.

- E-Governance initiatives such as, internal communications through intranet connectivity have been made.

- The academic and administrative departments are functioning effectively as they have LAN facility.

4.6 Amount spent on maintenance:

i) ICT	:	Rs. 25,15,000
ii) Campus Infrastructure and facilities	:	Rs. 79,88,300
iii) Equipments	:	Rs. 18,32,000
Total	:	Rs. 1,23,35,300

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Grievances Redressal Cell for voicing the grievances of students and research scholars.

- Fitness Centre for physical fitness

- Green Box for placing the suggestions for betterment and also for expressing grievances if any. This facility is directly handled by the office of the Vice-Chancellor.

- Health Centre for addressing health issues

- Ramps for differently-abled students.

- Bharathiar Counseling Centre for counseling the students.

- Yoga Centre for physical fitness.

- Finishing schools are held during summer vacations with the support of industrial experts

- Website (www.careervarsity.com) enable students to register for placement opportunities and employers to select the right candidate and placement officers for resource support

- Website (www.aptitutecoach.com) enable coaching students in various aptitude areas

- Anna Centenary Civil Services Coaching Academy

- Various clubs and associations for promoting extra-curricular activities of the students.

- Various inter-departmental cultural events are organized in the University where students can showcase their talents and nurture them further.

5.2 Efforts made by the institution for tracking the progression

- Regular meeting of Heads of the Departments by the office of the Vice-Chancellor

- Department level meetings with the members of faculty by the Heads of the Departments

- Meetings of the Co-ordinator, CBCS with the faculty members

- Need based meetings of the teachers with the parents

- Feedback from students, alumni and parents

- Tutorial system to monitor the performance and progress of the students continuously

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
99	1006	331	364

(b) No. of students outside the state   :   156

(c) No. of international students   :   03

No	%		No	%	
487	44.43	Men	609	55.56	Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
178	272	10	722	-	1182	161	238	11	686	-	1096

Demand ratio **1:3**   Dropout **<1%**

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Anna Centenary Civil Services Coaching Academy

- Website (www.careervarsity.com) enable students to registrar for placement opportunities and employers to select the right candidate and placement officers for resource support

- Website (www.aptitutecoach.com) enable coaching students in various aptitude areas

- Finishing schools are held during summer vacations with the support of industrial experts

  No. of student beneficiaries: 152

5.5 No. of students qualified in these examinations

NET	32	SET/SLET	31	GATE	02	CAT	0
IAS/IPS etc	0	State PSC	0	UPSC	0	Others	0

5.6 Details of student counselling and career guidance

- In every department the faculty members are Mentors for the students who provide counseling and guidance to the students allotted under them. In this Tutor/ Mentor system students are allotted in the ratio of 1:20 under a faculty mentor.

- At the department level the industrial experts and trainers in soft skills are invited to train the students during the final semesters of the programme.

- The department of Extension, Career Guidance and Students Welfare exclusively works for the outreach, placement activities and students welfare apart from the activities taken up by the individual departments.

- A separate budget provision is given for each department for career counseling and placement. No. of students benefitted: Around 1600 (on and off campus)

- Bharathiar Counselling Centre focuses on the personal, psychological, academic and other related problems of the students- 324 students participated

- Job fairs are conducted on campus and off campus for the benefit of students of university departments and affiliated colleges.

5.7 Details of campus placement

On campus			*Off Campus*
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
19	237	63	96

5.8 Details of gender sensitization programmes

- The University has a Complaints Committee to consider complaints of sexual harassment of women at work place.

- The Women Grievance Cell has been provided a Mobile number. This number can be used as helpline number by the women employees and students to lodge their grievances.

- Department of Women's Studies creates awareness on gender sensitization by organizing various training programmes and seminars as part of their extension activities. A training program on Gender sensitivity was organized by Department of Women's studies on 21.1.2014

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level | 123 | National level | 02 | International level | 01 |

No. of students participated in cultural events

State/ University level [11]   National level [02]   International level [0]

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports:

State/ University level [41]   National level [05]   International level [0]

Cultural:

State/ University level [14]   National level [0]   International level [0]

5.10 Scholarships and Financial Support

	Number of students	**Amount**
Financial support from institution	URF-41 Endowments- 36	1,43,500 6,35,000
Financial support from government	Scholarships from Government – 1028	73,31,714
Financial support from other sources	Fellowships from funding agencies - 159	1,01,48,800

5.11 Student organised / initiatives

Fairs:

State/ University level [01]   National level [-]   International level [-]

Exhibition:

State/ University level [01]   National level [-]   International level [-]

5.12   No. of social initiatives undertaken by the students [12]

5.13 Major grievances of students (if any) redressed:

- Grievances regarding delay in the receipt of grants from UGC in terms of fellowship and from the State Government in terms of scholarship were received from the students. Immediately steps were taken to redressed the grievance by initially releasing the University funds. Later efforts were taken retrieve the same from UGC and the State Government.

- To commute every day, Institutional transport facility was enhanced for students, teachers and staff

- Enhanced hostel accommodation for women students

- Facilities available in the Health Centres were enhanced

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision of Bharathiar University

Our vision is to provide internationally comparable quality higher education to the youth. The aim is not only focused on imparting subject knowledge and skills, but also to mould the students with better conduct and character committed to the societal needs and national development. Enshrined with the motto **"Educate to Elevate"**. The University strives to realize the vision of India and excel in promoting and protecting the rich heritage of our past and secular ideals of the nation.

Mission of Bharathiar University

- To be innovative, inclusive and international University; committed to excellence in teaching, research and knowledge transfer and to serve the social, cultural and economic needs of the nation".

- To innovate and offer educational programmes in various disciplines with synergistic interaction with the industry and society.

- To impart knowledge and skills to students equipping them to be ready to face the emerging challenges to the knowledge area.

- To provide equal opportunity to women students and prepare them to be equal partners in meeting the scientific and technological demands of the nation.

- To contribute to the advancement to knowledge through applied research leading to newer products and process.

- To prepare the students to work for societal transformation with commitment to justice and equality.

- To inculcate among students a global vision with skills of international competence.

6.2 Does the Institution has a management Information System

Each administrative unit has separate Management Information System. However efforts are under process to integrate various administrative and academic departments.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The University is one among the few institutions in Tamilnadu which implemented the Choice Based Credit Systems since 2000 – 01. The University has definite policies in the creation of curriculum and updation of the curriculum. The curriculum is revamped to provide the state-of-the-art education and training in both fundamentals and applied aspects. It is also designed to identify areas of core competence which is reasonably stable and which suits the vibrant industry and the increasing usage of computers. The curriculum also provides sufficient number of electives and laboratory-based papers to support the changing needs of the industry. The curriculum gives much importance to laboratory-based components. Many papers include lab components where the students are able to learn the latest software languages and tools.

The curriculum also gives emphasis on mini-projects and projects where students are expected to develop a real-time industrial applications/ module required for the industries. Thus students are exposed to industrial environment. This would enable the students to be aware of the requirements in the industry and equip themselves to jobs once they complete their course. The curriculum is also focuses on providing problem solving skills, arranging remedial coaching and personal counselling for students who need such support. The guidelines for mini-project and project is also designed which gives instructions to the students on the preparation of the thesis. Case studies are included in the syllabus so that

students are involved in the learning process and this would make learning effective. Importance is given to improve teaching-learning process through usage of Information and Communication Technology.

6.3.2 Teaching and Learning

- Classes are handled with aids likes PowerPoint presentations, Case Studies, etc.

- Learning is made student-centric by including seminars, case presentations, quiz, group discussion, panel discussions as part of teaching learning

- National and International seminars, conferences and workshops are conducted in every department which enable students to utilize the knowledge and experience of experts

- Every department has smart class rooms which enable Multimedia presentation and video conferencing facilities

- Internet with Wi-Fi and Inflibnet facilities are available in department and University libraries

- The courses offered in some departments such as English & Foreign Languages, Computer Applications, Microbial Biotechnology and Nano Science & Technology attract students from other countries

6.3.3 Examination and Evaluation

Post-Graduate:

- Meetings of monitoring committee of CBCS convened by the Vice Chancellor are held to plan the schedule for teaching – learning and evaluation. The schedule is prepared in consultation with the Heads of the departments.

- The continuous assessment tests are conducted at regular intervals and the students are assessed on the basis of written tests, seminar presentations and assignments.

- The end semester examinations are held after completion of 90 working days.

M.Phil and Ph.D

- Part – 1 examinations are conducted for M.Phil and direct Ph.D research scholars after 6 months of their admission.

- The reports of M.Phil research scholars are evaluated by experts and internal viva-voce is conducted.

- The reports of Ph.D research scholars are evaluated by Indian and Foreign experts and open viva-voce is conducted.

- To qualify for a pass, a student should secure a minimum 50% marks in the examination, in case of PG and M.Phil exams.

- Attending two Doctoral Committee meetings are compulsory for the Ph.D students to submit their thesis

6.3.4 Research and Development

- Bharathiar University is distinguished by high academic standards, experienced faculty and rigorous curriculum. The Executive Ph.D. programme exclusively facilitates I.A.S./I.P.S. and similar cadre at the Union Government Services and Corporate Executives working in India and abroad as well in order to achieve personal and professional enrichment and career advancement and executive researchers in turn, enrich and advance the lives of countless others they serve. As an accredited University, we believe that research knowledge is most valuable when put to use in organizations and communities.

- The Executive Research Programme is designed in such a way as to have a research knowledge and exposure in a specific managerial and administrative fields, Two-day Research Workshop will be conducted for the Ph.D. aspirants at

the Bharathiar University Campus and approved Centres in abroad. Appropriate guide lines shall be given to them.

- Under this category, candidates who fulfill the eligibility criteria can register for Ph.D. programme under a Research Supervisor recognized by the Bharathiar University. The Research Supervisor under this category may work in the Bharathiar University Departments or in the Affiliated Colleges / Approved Research Institutions of Bharathiar University or Working in Colleges, Universities outside Bharathiar University area.

- MoU was signed between Bharathiar University and Institute of Biotechnology, National Dong Hwa University (Taiwan) for research collaboration in the field of Biotechnology (06.07.2012)

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Library operations are mostly computerized especially circulation of books through OPAC.

- Library has bar-coded the document collections. Provisions are being made to provide internet access to the library users so as to enable them to access the various learning resources available in the academic websites.

- Besides, the university library is a member of UGC - INFLIBNET – INFONET, E-Journal Consortium. Separate internet connectivity is available to access more than 2,700 volumes of e-books and 21,000 e-journals through 40 Systems in the UGC-INFLIBNET Digital Library e-Journal Section. At present the university library has 150 E-book CDs and 2500 CDs along with books acquired for the library. Wi-Fi connectivity is also provided to access e-resources.

- Separate Multimedia section is available to the users for effective use of audio visual resources in the library.

- Bharathiar University has become partner in National Knowledge Network as result of which we could access the higher end networking

- Intranet facility for e-governance with bandwidth of 30 mbps is available in the campus in order to maintain paper free communication between the departments as well as to connect academic and administrative units.

6.3.6 Human Resource Management

- In order to improve the performance of the members of teaching faculty, several faculty development programmes such as orientation programmes, workshops and other HR training programmes are organized regularly by the respective departments and the Academic Staff College of the University. The internal promotions for the teaching faculty are done by Career Advancement Scheme (CAS).

- As per the norms, teaching staff are recruited and assigned with optimum workload of teaching, research and extension activities.

- Regular training programmes on the use of computers and latest technologies are given to the non-teaching staff.

- The members of the faculty are encouraged to participate and present papers in the National and International forums by way of meeting the financial commitments partially.

- Need based workshops and training programmes are conducted by the respective departments to give hands-on training to the teachers to make them familiar with the latest techniques.

- Through UK-India Education and Research Initiative (UKIERI), the University has an exchange programme of faculty members / research scholars for their study and research work.

6.3.7 Faculty and Staff recruitment

Teaching Faculty

To recruit teaching faculty members University follows rigorous methods. The number of recruitees is determined based on the emerging requirements of new courses in departments. The requirements of every department are placed before the faculty council for approval. Further it is placed at the appropriate forum for discussion and final sanction is accorded by the Syndicate. Based on the approval, advertisements are published in the national and regional newspapers and in the official website of Bharathiar University. After the last date for receiving applications a scrutiny committee is appointed headed by the Deans of respective faculties. Once the screening process is over, shortlisted candidates are intimated about the dates of personal interview. As per the Acts and Statutes, a selection committee is constituted. The Vice Chancellor is a chair person for all the selection committees. The recommendations of the selection committee are placed before the Syndicate for approval. The candidates are informed about the selection individually and are sent an offer letter.

Promotion to teaching staff is done according to the career advancement scheme (CAS) of UGC for their upward mobility.

Non-teaching staff

The recruitment for non-teaching staff is also followed in the same manner described earlier with appropriate focus on the relevant job functions. For most of the non-teaching staff positions (other than entry level positions) internal recruitment practice is followed. The interview for the non-teaching staff members is conducted by a duly

constituted panel of members nominated by the Syndicate and promotions are given based on their performance.

6.3.8 Industry Interaction / Collaboration

The Centre for Collaboration of Industry and Institution (CCII) is an approved institutional program division under which industries are permitted to offer non-traditional / para professional / occasional / industry oriented Diploma, Post Graduate Diploma, Degree and Post Graduate Degree programmes.

The main objectives of CCII are to:

- Provide open learning system

- Promote linkage between University and Industries

- Innovate and offer educational programmes in various disciplines with synergistic interaction with industry and society

- Inculcate among students a global vision with skills of international competence

- Provide placement to all the students through approved industries / institutions

6.3.9 Admission of Students

PG Admission

The selection of candidates for various PG courses is based on marks scored by the candidates in the entrance test and marks secured by them upto 5th semester / II year of the UG Degree. A merit list is prepared following the reservation norms of the Tamilnadu Government. Programmes specific cut-off marks are generated based on the number of applicants and waiting list is also prepared. The students are duly intimated and called for admission. For some courses direct admission is also done.

The admission for professional courses such as MBA and MCA is done based on marks scored by the candidates in Tamilnadu Common Entrance Test (TANCET) and marks secured by them upto 5th semester / II year of the UG Degree. Admissions are based on the

communal reservation norms of the Tamilnadu Government. The counseling letter in the ratio of 1:4 is sent with the fee structure. If vacancies exist after the first counseling, a maximum of five candidates for every vacancy is called for further counseling.

M.Phil., Ph.D. and Category-B External Ph.D. Admission

Bharathiar University has adopted the UGC regulations 2009 pertaining to the minimum standards and procedure for awards of M.Phil / Ph.D degree. M.Phil. and Ph.D. admissions are also based on the marks scored by the candidates in the entrance test and marks scored by them in the qualifying degree examination (PG/ M.Phil. Degree). Admissions are based on the communal reservation norms of the Tamilnadu Government.

Admission by Entrance Test:

Selection is based on performance in an entrance test and in the qualifying examination (UG) upto V Semester / II year. The Entrance Test is conducted in the university campus only.

Direct Admission:

Spot Admission will be made on submission of application on first come first served basis. Candidates can also apply online (or) download the application form from the website and submit the filled-in application with required fee.

6.4 Welfare schemes for

Teaching & Non Teaching Staff	• University offers two extra seats in all PG courses to the wards of the teaching faculty and administrative staff
	• Health insurance schemes are available for teaching and non-teaching staff
	• There are two co-operative societies in Bharathiar University viz., Bharathiar University Employees' Co-operative Housing Society Ltd. and Bharathiar University Staff Co-operative Thrift and Credit Society Ltd. for the welfare of teaching and non-teaching staff.
	• 50% tuition fee concession in School of Distance Education is given

	for permanent teaching and non-teaching staff and their wards • Bharathiar University has associations for both Teaching and Nonteaching staff which take care of their welfare
Students	Various welfare schemes available for the students are given below: • Free Education scheme for students from economically weaker section. The affiliated colleges were requested to admit one girl student (either first generation learner or meritorious but economically weak) under Free Education Scheme in each programme against which they were permitted to enhance their sanctioned strength for the admission by 5%. • Scribes are assigned for visually challenged students at the time of practical and theory exams. • Apart from scholarships, endowments and University Research Fellowships, Group insurance scheme arrangements for obtaining financial assistance in the form of scholarships from philanthropic institutions outside the University are also made.

6.5 Total corpus fund generated: Nil

6.6 Whether annual financial audit has been done   Yes ✓   No ☐

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Administrative	No	-	Yes	Internal experts nominated by the Vice-Chancellor

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes ✓   No ☐

For PG Programme   Yes ✓   No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Bharathiar University has taken marathon steps to issue **Degree Certificates with 11 unique security features** with QR code which makes the certificates highly safe and easy authenticated level verification from any part of the world.

- University has introduced online registration of candidates from the university departments and affiliated colleges for the examination. This enables error free and faster storage of students information.

- After publishing the results the mark sheets and provisional certificates are sent to affiliated colleges within a week

- Multiple Choice Questions are introduced in the question paper of Part time Ph.D Category-B Entrance Test conducted by Bharathiar University

- The entrance tests are conducted using Optical Mark Recognition (OMR) sheets

- Application for examination can be downloaded and submitted online

- Examination schedule is prepared well ahead. The exam schedule for the students of University departments is given in advance of minimum 15 days. The exam schedule for the students of affiliated colleges is uploaded in the website in advance of minimum 15 days.

- Completion of extra course work in the broad area of research by the research scholar is made mandatory in this case of external Ph.D Category-B. Besides the scholar has to attend three annual review meetings before the submission of the thesis inorder to ensure quality the research work.

- Attending two Doctoral Committee review meetings are compulsory for the Ph.D students to submit their thesis

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- Bharathiar University affiliated Colleges are motivated to have academic autonomy in activities such as Curriculum Development, Admission, etc.,

- In the beginning of every academic year, meetings with Correspondents, Secretaries and Principals of Affiliated colleges, Constituent colleges and PG centre are conducted

- The circulars from UGC are regularly circulated through University website

6.11 Activities and support from the Alumni Association

- The university has a strong alumni network. The website www.b-u.ac.in/alumni/index.html is originally developed and hosted by the alumni on 22nd oct 2001.

- The Alumni Association is energetic. It works in close association with the University and supports all its activities

- The alumni members serve on Boards of Studies and Academic Council

- Alumni participation in Curriculum development through interactions and feedback

- Alumni provide Training and placement assistance in all the placement activities

- Alumni members also share their expertise by serving as resource persons for seminars, conferences and workshops, etc.,

- Every year alumni day celebration is planned during December

6.12 Activities and support from the Parent – Teacher Association

- The meetings of Parents and Teachers serve as a platform to make education more effective.

- In the beginning of every academic year a meeting is conducted with the parents of admitted candidates.

- The parents support the University by advising in the curriculum development, up gradation of Infrastructure facilities.

6.13 Development programmes for support staff

- University makes continuous efforts in encouraging Staff members to undergo training and development programs.

- Repair and maintenance work was carried out in Support Staff Quarters

- Computer training to all University staff members are given

- Participatory contribution in various committees

6.14 Initiatives taken by the institution to make the campus eco-friendly

- The entire campus is pollution free

- Environment and Energy audit.

- Awareness programs on economical consumption of electricity.

- Gardening team with Garden Superintendent working on campus beautification.

- Rain water harvest system used to recharge the bore wells.

- Students services are utilized to keep the campus clean. Every year NSS unit organizes 'Eradication of Parthenium Plant' program.

- Initiations have been taken to convert the **Campus as solar energized one**. University has installed twenty-two solar street lamps and 112 solar bulbs in the campus

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution.

- Innovation in e-governance initiatives, a high-end office automation software has been installed in the Research & development Centre, Controller of Examinations Section, and Finance Office. Moreover, a Student Support Centre is established to facilitate easy accessibility of services such as, payment of fee, etc.

- Highest number of students are placed in TCS from Bharathiar University

- The Student to Teacher and Teacher to Teachers relationship is good which leads to better functioning of the institution

- The total number of programmes offered in the University is approximately 400 including U.G., P.G., M.Phil., Ph.D., Certificate, Diploma and P.G. Diploma Courses.

- Bharathiar University is one among the nine Universities which is selected as a nodal centre by the National Knowledge Network

- Bharathiar University has implemented Free education for poor and talented students

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- BSMED of University conducted Seminar on **Go-green**

- Department of Zoology celebrated **Wild Life Week**

- Department of Zoology organised conference on **Biotechnology approaches in aqua culture**

- Department of Computer Applications organised **Research in Computers: Why, What and How?".**

- Department of economics organised a seminar on **Environment and Sustainable Development-Indian Perspective.**

- Department of Bioinformatics conducted current **Concepts on Bioinformatics**

- Department of Physics organised **Atmospheric Plasma Processing**

- Department of Social Work conducted various programs on **World Disability Day**

- Department of Linguistics organised **Language Training** for students from Malaysia

- Special interest was evinced to invite foreign professors to share their expertise and to have research collaboration with students and teachers. The department of Computer Applications and Linguistics had invited experts from international institutions

- Conduct of Staff Development program on Computer Awareness on use of latest version of office packages through School of Distance Education

7.3 Give two Best Practices of the institution

Title: Space Festival 2012 (Reaching the Unreached)

The Bharathiar University named after the great national poet Subramania Bharathi is enshrined with the motto "Educate to Elevate". It is the aim of the Bharathiar University to participate in the task of inculcating necessary Knowledge, Skills, and Creative Attitudes and Values among the youth of the country to contribute more effectively towards establishing equitable, social, economic, and secular ideals of our nation.

Goal / Objectives

The objectives of the Space Festival 2012 are:

- To showcase the achievements of mankind in space science.

- To expose the school and college students in order to raise their level of awareness on space science and technology.

- To promote research outlook among students especially rural students in space science and technology.

- To bring the space scientists to a broader platform for face-to-face interaction in order to inspire the young generation.

The Context

Legendary Indian space scientists like AryaBhatte, Vaioebaba, Bhaskera, S. Chandrasekhar, Vikram Sarabhai and Sathis Dhawour and others have created an impressive tradition in space science. In spite of millennia old scientific thinking, the mysteries of the universe have not been fully comprehended yet. Though future of science research lies in space, many of our youth are not properly educated on its importance. So, it is befitting for Bharathiar University to conduct **Space Festival** to raise the level of awareness on space science and technology and the ongoing research in space science especially among school and college students. The aim is to "reach for new heights and reveal the unknown so that what we learn and do will benefit the humankind".

The Practice

Space Festival 2012, a week long program was conducted by Bharathiar University in collaboration with National Aeronautics and Space Administration (NASA) – USA, Indian Space Research Organization (ISRO), Defence Research and Development Organization (DRDO) from 9th to 14th July 2012 to promote research outlook, especially among rural students in space science and technology. The event was aptly inaugurated by former President of India Dr.APJ Abdul Kalam and hosted by visiting scientists from NASA, DRDO, ISRO and Stanford University.

Notable Events:

- Festival had a participation eminent space scientist and astronaut for delivery of special lectures on the latest developments in the international space programs, face-to-face and open house session with students and general public besides the display of their space exhibits and models.

- A planetarium was set up for the event, which hosted routine shows like Earth's Wild Ride, space expeditions and adventure journey with the dinosaurs and models of scientist and engineers from around India every day.

- Live working models of space equipments were displayed. The exhibition included Galileo's deductions, Brahmos model, satellite and rocket launching models MIG III, and working models of other space technologies.

- Videos of missile testing operations were presented.

- Events like paragliding, balloon launch, hang-glider shows, rocket launching were conducted which greatly attracted this school children.

- The festival also thrived to build scientific temper among students and teachers through activity based learning by training the teachers of higher secondary school.

- Weather monitoring satellite balloons where launched daily.

The University had made elaborate arrangements for the smooth conduct of the events. Twenty five special buses were operated between city and the university for free transport facilities. Security had been ensured by the deputing nearly 100 police personals. Surveillance cameras were placed at important venues. A medical team of doctors and nurses with an ambulance facility was also arranged. 3000 NSS volunteers from 130 colleges worked deli gently on all the 6 days.

Evidence of Success

- During the space festival nearly 60,000 students from schools and colleges of south Indian states enjoyed the experience of going in to the space by knowing about the space through the interactions with scientist and astronauts, public lectures and teacher workshops and planetarium shows.

- The tall achievements of ISRO, DRDO and NASA were brought to the light of the general public for their understanding and appreciation. Nearly 50,000 general public visited the campus and enjoyed every bit of the festival and learned about space science technology.

- The school children prepared wonderful aero space robotic models for exhibition.

- Hands on experience given to teachers through activity based learning made teaching and learning simpler, and interesting.

- The distance between the university, college and school and general public is narrowed down by their day long tour on campus.

- The students (NSS volunteers) learned the art of managing the crisis and developed spirit of service and voluntarism.

- The presentations made by the women scientist created lot of confidence among youngsters especially girl students to aspire for the space research.

- The youngsters were encouraged to take up higher studies and research in areas like aeronautics and aero space, robotic engineering, satellite systems etc for their future career.

Thus the Space Festival 2012 enabled every one of the participants to understand the **Space Vision India 2025**. The achievements of our space scientist in the areas of satellite based communication and navigation, understanding of the solar system and universe, planetary exploration where made public for better understanding and appreciation.

Problems Encountered and Resources Required

The festival was expected to have the participation of nearly 40,000 students but the number went as high as 60,000. Managing such a big crowd was a herculean task. However the NSS volunteers through their diligent effort helped us to manage the show. Arranging free transport facility to the students of government schools was found to be difficult however we could overcome the difficulty by taking assistance from affiliated colleges.

The resources required for the conduct of the festival was born by the university through partial assistance from NASA, ISRO, DRDO and DST. The affiliated colleges also extended their helping hand by sending their NSS volunteers and sharing their transport facility at free of cost to the university.

7.4 Contribution to environmental awareness / protection

- NSS unit has organised intercollegiate level competition on the theme of Youth and HIV

- As a step towards making University a Green Campus Birthday Park was setup

- Our volunteers had participated in the national awareness programme on (solar energy) non-convention energy conducted in Bharathiar University

- Volunteers have donated more than 5000 units of blood to the needy

- Awareness programmes were conducted on sanitation, solid waste management and water resource management

7.5 Whether environmental audit was conducted?   Yes ☑ No ☐

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strengths:

- The UGC – ASC of Bharathiar University is ranked as No.1 among the ASC in Tamilnadu and 12th among the ASC in India by NAAC

- Bharathiar University is ranked first among Southern Universities and second best Arts and Science University in India by Times of India

- The entire campus is pollution free

- The various programs organised by Bharathiar University have as a strong carrier focus. To support the students for the higher studies and placement collaborations are made with industries and national research laboratories

- Bharathiar University is one among the nine Universities which is selected as a nodal centre for the National Knowledge Network

- University has excellent teaching faculty members with more than 90% of the faculty members having their Doctoral Degree and they have produced around 420 Ph.D degree holders during the report period

Weaknesses:

- The collaboration at global level is limited only to some streams

- There is shortage of teaching and non-teaching staff members

- The research output from University is not fully utilised for the welfare of the society in the form innovative product
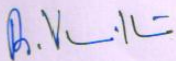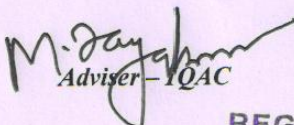
Opportunities:

- Indoor stadium and play fields for physical fitness

- University has the scope to become University with Potential for Excellence

- To establish many centres concentrating specific field of research

- The study centers are established only limited countries (Dubai, Kuwait, Qatar, S.Arabia) more centers can be established in various other part of the World

- Possibility of conducting conferences by Bharathiar University and International collaborating institutions.

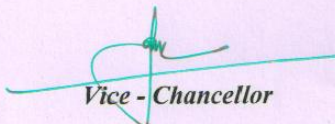- Research students have the opportunities to be trained using webinar in recent techniques

8. Plans of institution for next year

- To conduct workshop on e-learning and e-content creation for teachers

- To collaborate with Foreign Universities and Institutions for research and exchange programs

- To conduct a research study on academic achievements of students different categories

- To increase programme options available to students in terms of Diplomas, value added course, online courses and Certificates programs

- To conduct seminar on Examination Reforms

- To promote in-house journal

- To conduct program on Knowledge Management and Academic Leadership

- To conduct International and National Exhibitions and Job Fairs

Coordinator – IQAC   Adviser – IQAC   Registrar   Vice - Chancellor

REGISTRAR
Bharathiar University
Coimbatore - 641 046.

Prof.Dr.G.JAMES PITCHAI
VICE-CHANCELLOR
Bharathiar University
Coimbatore - 641 046

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Bharathiar University

State University

Coimbatore – 641 046, South India

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PHONE: +91 422 2422222, 2422203 FAX: +91 422 2425706 WEBSITE: www.b-u.ac.in