ANNUAL QUALITY ASSURANCE REPORT (AQAR) FOR THE ACADEMIC YEAR 2013-14

SUBMITTED BY

**BHARATHIDASAN UNIVERSITY
(ACCREDITED BY NAAC WITH `A' GRADE)
TIRUCHIRAPALLI 620 024**

SUBMITTED TO

**NATIONAL ASSESSMENT & ACCREDITATION COUNCIL
NAGARBHAVI
BENGALURU -- 560 072**

ABOUT THE UNIVERSITY

General Information

Bharathidasan University established in February 1982 and was named after the great revolutionary Tamil Poet, Bharathidasan (1891-1964). The motto of the University is ``*We will create a brave new world*''. The University endeavours to be true to such a vision by creating in the region a brave new world of academic innovation for social change. The University was re-accredited with `A' Grade (CGPA – 3.16 in 4 point scale) by NAAC in September 2012.

The University has Palkalaiperur campus [main campus] located on the Tiruchirappalli-Pudukkottai highway (NH 210) and a city campus at Khajamalai. At present the University has 4 Faculties, 19 Schools, 36 Departments, 24 Centres and 8 Hostels for boys and girls and a Health Centre and are housed in the main campus at Palkalaiperur and in the city campus at Khajamalai. The School of Computer Science, Engineering and Applications, Departments of Economics, Educational Technology, Geology, Lifelong Learning, Social Work, Statistics and Women's Studies, Centre for Remote Sensing, Centre for Differently Abled Persons, the Institute for Entrepreneurship and Career Development (IECD), the Bharathidasan University Technology Park (BUTP) and Centre for Youth Development and Studies are functioning at the Khajamalai Campus. Hostel facility is available in this campus. The other academic Departments, the University Central Library, Administrative Offices, the Sports Complex, Bank, Post Office, Canteen, Health Centre, Staff Quarters, etc. are all located in the main campus.

All the Departments and a few Research Centres are conducting teaching programmes at different levels (PG, Integrated PG, M.Phil., PG Diploma, Diploma, Certificate and Ph.D.). The teaching programmes are conducted under the Choice Based Credit System in semesters with sufficient flexibility and freedom to the students. The extension services rendered by the Institute of Entrepreneurship and Career Development (IECD) and the Department of Women's Studies to community, especially to the under-privileged are commendable. The University under its Distance Education mode is conducting various UG and PG programmes.

Some of the Departments are supported by DST (Department of Science and Technology) under its FIST (Fund for Improvement of Science & Technology Infrastructure in Universities & Higher Educational Institutions) programme and UGC (University Grant Commission) under its SAP (Special Assistance Programme). Bharathidasan University is also selected by DST for its support under PURSE programme in recognition of high quality publications by the Science Departments.

All the Departments and research Centres are endowed with good infrastructure facilities. In addition to the computers available in the Departments and Research Centres, the University Informatics Centre houses a large number of computers with networking and internet connectivity for the benefit of students, research scholars and faculty members. Totally, more than 1000 computers available for students and faculty in the University.

The Central Library of the University has a good collection of books and e-books in addition to subscribing a number of journals and audio-video cassettes. The library has INFLIBNET and DELNET facilities. The UGC infonet facility helps to access more than 10,000 e-resources including thousands of e-journals. Through the digital library of the University the students and faculty members have access to more than 5000 back volumes and 7000 electronic books. The number of books, journals and periodicals are updated every year. The library provides an open access system for the users including students, research scholars and teaching faculty. In addition to the above central facility, the Departments have their own libraries.

There are eight hostels in the University. Among them, four are meant for boys and the remaining four are for girls. One hostel is located at the Khajamalai Campus and all the other hostels are in the Palkalaiperur main campus. All the hostels have WI-FI facility and thereby the students can access internet from their respective rooms using their lap-tops. The University, in its main campus, has a Health Centre.

The University is an affiliating one with the jurisdiction over the eight districts of Tiruchirappalli, Pudukkottai, Karur, Perambalur, Ariyalur, Thanjavur, Tiruvarur and Nagapattinam. The University area lies in the strategic central part of Tamil Nadu, covering the Cauvery delta, traditionally known as intellectual capital of the state. There are 138 colleges affiliated to the University including 123 Arts and Science Colleges and 3 Colleges of Fine Arts. Among them 8 government and 11 government aided colleges have autonomous status. There are 10 constituent colleges associated with Bharathidasan University.

Internal Quality Assurance Cell

The Internal Quality Assurance Cell (IQAC) of Bharathidasan University is constituted under the chairmanship of the Honourable Vice-Chancellor and is assisted by a Director. Other members of the cell nominated by the Vice-Chancellor include senior teachers, a senior administrative officer and nominees from local society. Since its inception, the IQAC of Bharathidasan University is successfully functioning and involves in a variety of quality related activities in the University.

The IQAC arranges for the evaluation of the academic and administrative activities in the campus by appointing Academic and Administrative Audit (AAA) Committee. The committee was appointed at a regular interval. The last AAA was conducted during 25--27 August 2011. The Audit was performed by a committee with Professor S. Sivasubramanian (Former Vice-Chancellor of Bharathiar University) and with Professor L. Kannan (Former Vice-Chancellor of Thiruvalluvar University), Professor P. Gunasekaran (Madurai Kamaraj University, Professor M. Thangaraj (University of Madras), Professor M. Jayakumar (Bharathiar University) and Professor M. Selvam (Alagappa University) as members. The committee submitted a report based on observations and findings and passed on its suggestions and recommendations. Based on its suggestions and recommendations appropriate actions were taken.

Centre for Distance Education (CDE)

The Centre for Distance Education (CDE) of Bharathidasan University was established in the year 1992. The area of CDE was extended to cover all the four Southern States and Union Territory viz., Tamilnadu, Kerala, Andhra Pradesh and Karnataka. Now many study centres of CDE have been established all over India and abroad. The CDE offers more than 50 programmes including UG, PG, Diploma programmes and Professional programmes in selected disciplines. Besides the conventional programmes, the CDE is offering programmes in Computer Science and Applications, Information Technology, E-Commerce, Bank Management, Financial Management, Co-operation, Library and Information Science, etc. The lab-oriented programmes are meticulously planned and executed with the same rigour of regular programmes, with no compromise on the practical requirements.

Academic Staff College

The Academic Staff College (ASC) started functioning from 1987 at the Khajamalai Campus of the University.   Its main objectives are to impart the basic skills of teaching to young faculty at the College/University level to achieve goals of the higher education, understand the signification of education in general and higher education in particular, in the global and Indian contexts, understand the linkages between education and economic and socio-economic and cultural developments,   keep abreast of latest developments in the specific subjects and promote computer literacy as well as the use of ICT in teaching and learning processes. During 2012-14 it conducted 35 Programmes including 8 Orientation Programmes and 21 Refresher Courses.

Institute for Entrepreneurship and Career Development

Institute for Entrepreneurship and Career Development (IECD), as an autonomous institution of Bharathidasan University, established during 2004-05 academic year, functions as an excellent Skill Development Institution for the different target groups ranging from school children, dropouts and unemployed youth to housewives, differently abled persons and senior citizen in Tamilnadu. During 2013-14, IECD generated about Rs.111 lakhs by the way of conceiving, designing & offering various skill based programmes. It provided Entrepreneurship Development, Career Development, Skill Development programmes to 24,711 individuals belonging to SC/ST/BC/MBC communities in Tamilnadu and awarded   University certificates.   It has generated wage/self-employment opportunities to over 884 students/non-students youth during 2013-14.

Contents

ANNUAL QUALITY ASSURANCE REPORT (AQAR)

Part – A

AQAR for the year | 2013-14

1. Details of the Institution

1.1 Name of the Institution

Bharathidasan University

1.2 Address

Tiruchirapalli 620 024

State

Tamilnadu

Institution e-mail address

reg@bdu.ac.in

Contact Number

0431 - 2407092

Name of the Head of the Institution:

Dr. C. Thiruchelvam
The Registrar

Tel. Number with STD Code:

0431 - 2407092

Mobile:

08903860274,   09600860274

Name of the IQAC Director:

Dr. S. Rajasekar

Mobile:

09442539305

IQAC e-mail address:

iqac@bdu.ac.in,
iqacbdu@gmail.com

1.3 NAAC Track ID *(For ex.MHCOGN 18879)*

OR

1.4 NAAC Executive Committee No. & Date:
(For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

EC/61/RAR/68 dated 15-09-2012

1.5   Website address: | http://www.bdu.ac.in |

Web-link of the AQAR: | http:// www.bdu.ac.in/iqac/aqar.php |

1.6   Accreditation Details

S.No	Cycle	Grade	CGPA Score	Year of Accreditation	Validity Period
1	1st Cycle	A	86.50	29 April 2003	5 Years
2	2nd Cycle	A	03.16	15 September 2012	5 Years

1.7   Date of Establishment of IQAC :   08--05--2003

1.8   Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

   i)   AQAR 2012-13 submitted to NAAC on 27-06-2016.

1.9   Institutional Status

   University   : State ✓   Central ☐   Deemed ☐   Private ☐

   Affiliated College   : Yes ☐   No ☐

   Constituent College : Yes ☐   No ☐

   Autonomous college   : Yes ☐   No ☐
       of UGC

   Regulatory Agency   : Yes UGC   No ☐
     Approved Institution
     (eg. AICTE, BCI,
      MCI, PCI, NCI)

   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 ✓   Totally Self-financing ☐

1.10 Type of Faculty/Programme

Arts ✓   Science ✓   Commerce ✓   Law ☐   Phys. Edu. ✓

TEI (Edu) ✓   Engineering ✓   Health Science ☐

Management ✓   Others (Specify) --

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

1.12 Special status conferred by Central/ State Government –
UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt./Univ. ☐

University with Potential for Excellence	☐	UGC-CPE	☐
DST Star Scheme (PURSE)	✓	UGC-CE	☐
UGC-Special Assistance Programme	✓	DST-FIST	✓
UGC-Innovative PG programmes	✓	Any other *(Specify)*	☐
UGC-COP Programmes	☐		

2. IQAC Composition and Activities

2.1 Number of Teachers | 9 |

2.2 Number of Administrative/Technical Staff | 2 |

2.3 Number of Students | -- |

2.4 Number of Management Representatives | -- |

2.5 Number of Alumni | -- |

2.6 Number of any other Stakeholder and Community Representatives | 1 |

2.7 Number of Employers/Industrialists | 1 |

2.8 Number of other External Experts | 1 |

2.9 Total Number of Members | 14 |

2.10 Number of IQAC meetings held | -- |

2.11 Number of meetings with various stakeholders

Number | --- | Faculty | --- | Alumni | --- |

Non-Teaching Staff Students | --- | Others | --- |

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

Yes | | No | ✓ |

If yes, mention the amount | --- |

2.13 Seminars and Conferences (only quality related)

(i) Number of Seminars/Conferences/Workshops/Symposia organized by the IQAC

Total Nos. | --- | International | -- | National | -- |

State | -- | Institutional Level | -- |

(ii) Themes | --- |

2.14   Significant activities and contributions made by IQAC

   Students' feedback on teachers, courses and programmes were collected.

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 *

   The IQAC consists of 14 members including 3 experts from Quality Management/ Industry/Local Community. The members perceive expectations and sort out the methods for enhancing quality and standard of various aspects of activities of the university.

Plan of action	Achievements
Obtain feedback from students	Feedback from students on teachers, courses and Programmes were collected. Analysis of the feedbacks has been made.
Participate in the meeting of allotting funds for organizing scientific meetings.	Assisted in assigning funds for organizing scientific meetings.
To coordinate for the submission of Projects under the UGC scheme of *Innovation University*.	IQAC has coordinated the submission of 28 Innovative Projects by faculty members to UGC under its scheme of *Innovative Projects*.
To assist the colleges affiliated to the Bharathidasan University for their NAAC accreditation and re-accreditation.	Provided guidance and support in the preparation of Self-Study Report and facing the NAAC Peer Team for accreditation and re-accreditation in different colleges affiliated to the University through their IQAC.

   * Attach the Academic Calendar of the year as Annexure.

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 AQAR for the period 2013-14 will be placed in the forth coming syndicate meeting for approval.

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	40	--	--	--
PG	43	1	3	--
UG	--	--	--	--
PG Diploma	07	1	--	--
Advanced Diploma	04	--	--	--
Diploma	12	--	--	--
Certificate	16	--	--	--
M.Phil.	27	1	1	--
Others (Short term)	04	--	--	--
Total	153	3	4	--
Interdisci-plinary	--	--	--	--
Innovative	02	--	--	--

1.2   (i) Flexibility of the Curriculum

       CBCS / Core / Elective Option / Open Options.

(ii) Pattern of programmes

Pattern	Number of Programmes
Semester	70
Trimester	--
Annual	8

1.3 Feedback from stakeholders (on all aspects)

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

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

From Students

- The students of Computer Science wanted pre placement training.
- Department of Medical Physics students insisted for AERB approval of the Programme and appointment of qualified medical physicists.
- Requested the University/Department to organize campus interview.
- The students of Department of Women's Studies suggested to provide study materials for each course.

From Alumni

- From the students of Computer Science -- Need to include recent technology courses.
- Students of Geography requested to introduce a course on Advanced Geospatial Technologies in M.Tech. Geoinformatics Programme.
- An alumnus of the Department of Environmental Management has pointed out the importance of inclusion of industrial health and safety related courses.
- Alumni of Life-Long Learning suggested to conduct campus interview for employment opportunities for the outgoing students.
- Department of Medical Physics Alumni insisted for AERB approval of the Programme and appointment of qualified medical physicists.
- The syllabus of the Centre for Remote Sensing though incorporates the recent development in the field of Geomatics, needs minor modification to match with the industry requirement. The Centre has a well-stocked library and well equipped labs with latest hardware and software but lacks technical and supporting staff.

From Parents

- The parents of Computer Science suggested to improve the employment opportunities.
- The parents of students of Geography requested to offer a Five-year Integrated Programme of Geography.
- Parents who participated in the Parents Teachers meeting of the Department of Life-Long Learning suggested to have an immediate job opportunity for the Programmes offered.
- More encouragement needed for attending internship programmes for the Centre for Remote Sensing.

From Employers

- The Department of Computer Science has to decrease the barrier between the technologies.
- The syllabi of Courses of M.A. English is good and teaching was research oriented.
- Department of Medical Physics was insisted for AERB approval of the Programme and appointment of qualified medical physicists.

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

- Department of Geography: BoS meeting was held on 28.02.2014 and the members were approved the curriculum structure for Five-Year Integrated M.Sc. Geography Programme.   Syllabus of M.Tech. Geoinformatics Programme has been updated and new course on Advances in Geospatial Technologies was introduced.
- Department of Environmental Biotechnology: BoS was held on 26-07-2013 and credits were assigned for industrial visits.

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

NIL

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total number of permanent faculty

Total	Assistant Professors	Associate Professors	Professors	Others
185	106	23	56	-----

2.2 Number of permanent faculty with Ph.D. -- 169

2.3 Number of Faculty Positions Recruited (R) and Vacant (V) during the year

Assistant Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
--	30	--	11	--	5	--	--	--	46

2.4 Number of Guest and Visiting Faculty and Temporary Faculty

Guest	Visiting	Temporary
42	17	1 (DST Inspire), 2 (Adjunct Faculty), 1 (Professor of Eminence), 1 (UGC FRP Assistant Professor), 1 (UGC Emeritus Professor) 3 (Junior Research Scientists)

2.5 Faculty participation in conferences and symposia

Number	International level	National level	State level
Attended Seminars/ Workshops	132	305	66
Presented papers	136	277	21
Resource Persons	61	250	123

2.6 Innovative processes adopted by the institution in teaching and learning

1. Teaching

- Academic calendar was prepared and provided to the students at the beginning of the academic period.
- Smart class rooms were used to have interactive and updated sessions on specified topics.

- Notable aspects of life history of scientist(s) concerned to the topic of discussion were mentioned.

- Fast learners were encouraged to interact with research scholars.

- Supplementary materials from recent research articles were provided.

- Power Point Presentations were used.

- World class movies and short films were screened for improving literary sensibility of the students.

- Language Labs (English and Tamil) were utilised.

- Guest lectures by eminent scientists and academicians were arranged.

- Documentary films highlighting environmental issues by the Department of Environmental Management.

- Concurrent field exposure and in-plant training were organized every year for the P.G. students of Department of Life-Long Learning. 'Soft Skills Development' was incorporated in the curriculum of M.A. HRM.

- Field based intensive training by the Centre for Remote Sensing.

- Online assignments (Department of Women's Studies) were given.

- Students of Department of Women's Studies were exposed to multiple areas of knowledge gain by collaborating with NGOs, civil society organizations and discussions on developments in amendments, in policies, legislations etc. Students are involved in co-ordinating, documenting and submitting a report on the various extension programmes being organised.

- Observation visits to Government and NGO were performed by the Department of Social Work.

2. Learning

- Biological students were asked to make animation of biological concepts.

- Language Lab was used.

- Hands on experiments with sophisticated equipments were done.

- Library and internet hours were included in time table.

- Remedial courses were conducted for slow learners.

- Credits were assigned for industrial visits by the Department of Environmental Biotechnology.

- Students attended Summer Project/Programmes.

- Video conferencing from Onboard ship JOYDES ship USA was made.

- E-resource and CDs were used.

- ICT skills and hands on experience in multimedia were utilised.

- Learning skill was enhanced through meta cognitive skills.

- Producing documentary films by the Students of Department of Women's Studies.

- Field Training by the Department of Social Work.

- Practical Sessions were conducted for catalogue and classification, library operations and services and softwares installation and configuration by the Department of Library and Information Science.

2.7 Total number of actual teaching days during this academic year

181 Days

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

- Provision of getting photo copy of answer sheets by the students.
- Re-valuation for requested students.
- Online assessment.
- Publication of results within 30 days.
- Instant Examination for outgoing students with only one arrear.

2.9 Number of faculty members involved in curriculum restructuring/revision/syllabus development as members of Board of Study/Faculty/Curriculum Development workshop

Board of Study	Faculty Development Workshop	Curriculum Development Workshop
185	-----	31

2.10 Average percentage of attendance of students

87%

2.11 Course/Programme wise distribution of pass percentage

Title of the Programme	Total number of students appeared	Division in %				
		Distinc-tion	I	II	III	Pass
M.Sc. Animal Biotechnology	10	70	30	--	--	100
M.Sc. Biochemistry	18	28	72	--	--	100
M.Sc. Biotechnology	24	04	96	--	--	100
M.Sc. Chemistry	11	09	91	--	--	100
M.A. Economics	29	--	90	--	--	90
M.Ed. (Education Technology)	35	--	100	--	--	100
M.A. English	36	5.5	94.5	--	--	100
M.Sc. Env. Sci. & Tech.	11	18	82	--	--	100
M.Sc. Geology	08	--	100	--	--	100
M.A. Gender Studies	03	--	100	--	--	100
M.A. History	26	04	65	15	--	84
M.A. Human Resource Managt.	08	--	100	--	--	100

M.LIS. Lib. & Inform. Sci.	14	13	07	--	--	100
M.Sc. Marine Biotechnology	14	29	58	--	--	87
M.Sc. Marine Science	05	40	60	--	--	100
M.Sc. Mathematics	30	33	40	17	--	90
M.Sc. Medical Physics	09	--	100	--	--	100
M.Sc. Microbiology	39	10	77	13	--	100
M.Sc. Physics	26	08	88	04	--	100
M.Sc. Plant Science	09	--	100	--	--	100
M.A. Sociology	02	--	100	--	--	100
M.S.W. (Social Work)	25	32	68	--	--	100
M.Sc. Statistics	21	28	72	--	--	100
M.A. Tamil	06	50	50	--	--	100
M.P.A. Folk Dance	07	--	100	--	--	100
M.P.A. Classical Dance	04	--	100	--	--	100
M.P.A. Drama & Theatre Arts	09	--	100			100
M.Tech. Bioinformatics	15	47	47	--	--	94
M.Tech. Inform. Tech.	24	96	04	--	--	100
M.Tech. Computer Science & Eng.	29	--	69	31	--	100
M.Tech. Geoinformatics	13	15.4	76.9	7.7	--	100
M.Tech. Geology	06	--	100	--	--	100
M.C.A.	27	--	89	11	--	100
M.B.A. Hospital Management	13	77	08	--	--	85
M.B.A. Financial Management	33	06	73	15	03	97
M.B.A. Marketing Management	23		87	13		100
M.B.A. Environ. Management	11	28	36	36	--	100
5 year I.M.Sc. Biomedical Science	10	80	10	--	--	90
5 year I.M.Sc. Geosciences	07	14	86	--	--	100
5 year I.M.Sc. Physics	06	--	70	--	--	70
6 year I.M.Tech. Geotech & Geoinf.	04	25	25	25	25	100
M.Phil. Animal Biotechnology	05	80	20	--	--	100
M.Phil. Biochemistry	11	55	45	--	--	100
M.Phil. Bharathidasan Studies	03	100	--	--	--	100
M.Phil. Chemistry	04	50	50	--	--	100
M.Phil. Computer Science	35	46	54			100
M.Phil. Economics	04	--	50	--	--	50
M.Phil. Education Technology (FT)	12	17	83	--	--	100
M.Phil. Education Technology (PT)	17	03	12	--	--	88
M.Phil. English	20	10	90	--	--	100
M.Phil. Environ. Biotech.	02	--	100	--	--	100
M.Phil. Gender Studies	03	--	100	--	--	100
M.Phil. History	07	43	57	--	--	100
M.Phil. Industrial Biotechnology	01	--	100	--	--	100

M.Phil. Human Resource Managt.	02	--	100	--	--	100
M.Phil. Lib. & Inform. Sci. (FT)	11	--	100	--	--	100
M.Phil. Lib. & Inform. Sci. (PT)	28	--	100	--	--	100
M.Phil. Management	05	--	100	--	-	100
M.Phil. Marine Biotechnology	00	--	--	--	--	--
M.Phil. Mathematics	10	80	20	--	--	100
M.Phil. Microbiology	12	08	92	--	--	100
M.Phil. Physical Education	07	--	100	--	--	100
M.Phil. Physics	09	23	54	23	--	100
M.Phil. Sociology	04	--	100	--	--	100
M.Phil. Social Work	10	70	30	--	--	100
M.Phil. Statistics	04	--	100	--	--	100
M.Phil. Tamil	10	90	10			100
PG Diploma in E-Learning	14	14	86	--	--	100
PG Diploma in Edu. Admin.	13	89	11	--	--	100
PG Diploma in Inclusive Training and Development	21	4.8	95.2	--	--	100
PG Dipl. in Lib. & Know. Managmt	02	--	100	--	--	100
PG Diploma in Keyboard (PT)	01	--	100	--	--	100
PG Diploma in Veenai (PT)	02	--	100	--	--	100
Diploma in Folk Dance	04	--	--	--	--	100
Diploma in Tamilneri Arutchunaingar	13	--	--	--	--	100
Diploma in Veenai (PT)	02	--	--	--	--	100
Diploma in Keyboard (PT)	04	--	--	--	--	100
Diploma in Saiva Siddhantam (PT)	06	--	--	--	--	100
Diploma in Bharathanattiyam (PT)	10	--	--	--	--	100
Diploma in Violin (PT)	04	--	--	--	--	100
Diploma in Tamil Music (PT)	07	--	--	--	--	100
Diploma Programmes (4)	87	--	--	--	--	100
Advanced Diploma Programmes (4)	118	--	--	--	--	100
Short-Term Programmes (4)	137	--	--	--	--	100
Certificate Programmes (16)	21351	--	--	--	--	100
Entrepreneurship Development Programmes	3018	--	--	--	--	100

2.12 How does IQAC contribute/monitor/evaluate the teaching & learning processes?

The Chairman of IQAC regularly meet the Heads of the University Departments, Deans of Faculties, Chairs of Schools and Coordinators of specialized Centres to discuss the activities related to the teaching and learning and implementations of them.

At the end of each semester IQAC collects feedback from students on teachers, courses and also on the Programmes at the end of the Programmes. These feedbacks are analysed and the reports are given to the faculty and the Head of the Department for improving the quality of teaching, courses and Programmes.

2.13   Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher Courses	32
UGC – Faculty Improvement Programme	08
HRD Programmes	03
Orientation Programmes	06
Faculty Exchange Programme	01
Staff training conducted by the university	10
Staff training conducted by other institutions	04
Summer/Winter Schools, Workshops, etc.	29
Others (Specify the type) Capacity Building Programme for Higher Education Teachers	05

2.14   Details of Administrative and Technical Staff

Category	Number of permanent employees	Number of vacant positions	Number of permanent positions filled during the year	Number of positions filled temporarily
Administrative Staff	438	37	----	-----
Technical Staff	072	25	----	----

Criterion – III

3. Research, Consultancy and Extension

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

For promoting research activities the Bharathidasan University is adopting the following strategies.

- Experts from various fields are invited to deliver lectures that create exposure for students in way of understanding research.
- 50% of overhead charge of major projects is allowed for expenditures related to the execution of the respective projects.
- Partial financial support is provided for conducting conferences/seminars etc.
- Faculty are permitted to attend National and International seminars, conferences and workshops with travel fund from UGC unassigned grant.
- Maintained 24/7 internet facility in all the departments and centres for accessing journals.
- University has instituted research fellowships for the full time research scholars to pursue research.
- Seed money is provided to the young faculty member to initiate research.
- Access to online Tamil Libraries like Tamilvu.org., Madurai Project, Noolaham.org., Digital Library of India are provided.
- PG and M.Phil. completed students were encouraged to apply for Rajiv Gandhi, Moulana Azad, ICSSR, etc. fellowships.
- The Department of Commerce and Financial Studies publishes SMART journal of business management studies.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	14	75	18	11
Outlay in Rs.	1,67,90,097	23,20,51,287	7,35,39,309	3,18,97,670

In addition to the above 8 Departments are supported under UGC-SAP, 4 Departments under DST-FIST. The total outlay of UGC-SAP = 545.5 Lakhs, DST-FIST = 446 Lakhs. Further, the University is supported under DST-PURSE (from 2011-12) with the grant of 9 crores.

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	2	1	--
Outlay in Rs.	--	18,50,000	7,500	--

3.4 Details of research publications

	International	National	Others
Peer Review Journals	561	200	24
Non-Peer Review Journals	025	22	02
e-Journals	003	--	--
Conference Proceedings	089	118	07

3.5 Details on Impact factor of publications:

Range   : 0.054 – 6.364
Average   : ---
h-index   : 72 (2013), 72 (2014)
Nos. in SCOPUS : 390 (2013), 498 (2014)

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

Nature of the Project	Duration Year	Name of the funding Agency	Total Grant in Rs.	
			Sanctioned	Received
Major projects -- Completed	2011-14(Ani. Sci.)	UGC	0	0
	2011-14(Ani. Sci.)	CSIR	0	0
	2012-13(Ani. Sci.)	UGC	7,00,000	7,00,000
	2010-13(Biomed)	UGC	2,70,000	2,70,000
	2011-13(Commer)	UGC	0	0
	2010-13(Env.Bio.)	MoEF	0	0
	2010-13(Env.Bio.)	UGC	0	0
	2011-14(Mari Bio)	UGC	6,50,000	6,50,000
	2012-14(Microbio)	ICMR	0	0
	2012-14(Physics)	DST-DAAD	0	0
	2012-14(Plant Sci.)	TNSCST	92,500	92,500
	2011-14(CRS)	NRSC	7,62,050	7,62,050
	2012-14(CRS)	BRNS	13,24,700	13,24,700
	2011-13(SW)	UGC	0	0
Major projects -- Ongoing	2012-15(Ani. Sci.)	UGC	0	0
	2012-15(Ani. Sci.)	DST	3,71,107	3,71,107
	2012-15(Ani. Sci.)	DST	2,00,000	2,00,000
	2012-15(Ani. Sci.)	DBT	0	0
	2013-16(Ani. Sci.)	ICAR	30,36,000	30,36,000
	2013-16(Ani. Sci.)	UGC-DAE		
		CSR	2,36,600	2,36,600
	2011-14(Biomed)	DBT	0	0
	2011-14(Biomed)	UGC	0	0
	2011-14(Biomed)	UGC	0	0
	2011-14(Biomed)	ICMR	0	0
	2011-14(Biochem)	UGC	0	0
	2011-14(Biochem)	DBT	5,49,000	5,49,000
	2011-14(Biochem)	ICMR	3,95,000	3,95,000
	2012-15(Biochem)	DST	12,00,000	12,00,000
	2012-15(Biochem)	UGC	0	0
	2012-15(Biochem)	CSIR	11,64,000	11,64,000

	2012-15(Biochem)	NMPB	0	0
2011-14(Chemistry)	CSIR	3,00,000	3,00,000
2011-14(Chemistry)	UGC	0	0
2011-14(Chemistry)	DST	6,00,000	6,00,000
2011-14(Chemistry)	DST	5,50,000	5,50,000
2012-15(Chemistry)	UGC	2,00,000	2,00,000
2012-15(Chemistry)	CSIR	3,00,000	3,00,000
2013-16(Chemistry)	DST	18,00,000	18,00,000
2013-16(Chemistry)	DST	18,00,000	18,00,000
2013-16(Chemistry)	DST	17,00,000	17,00,000
2013-16(Chemistry)	CSIR	9,64,000	9,64,000
2013-16(Chemistry)	Indo-French	33,72,000	33,72,000
2012-14 (Commer)	ICSSR	1,57,850	1,57,850
2012-15 (Commer)	ICSSR	0	0
2010-13(Env. Bio.)	MoEF	3,79,200	3,79,200
2010-13(Env. Bio.)	CSIR	0	0
2010-14(Env. Bio.)	NRDMS	6,00,000	6,00,000
2012-15(Env. Bio.)	CSIR	5,34,000	5,34,000
2013-14(Env. Bio.)	UGC	7,00,000	7,00,000
2013-15(Env. Bio.)	UNU –ISP Jn	2,40,000	2,40,000
2014-16(Env. Bio.)	DST	4,00,000	4,00,000
2012-15(EnvMgt)	DST	27,60,858	27,60,858
2012-14(History)	UGC	0	0
2012-14(History)	DCMC	1,80,000	1,80,000
2002-17(Mari Bio)	DBT	11,84,000	11,84,000
2013-16(Mari Bio)	UGC	15,45,800	15,45,800
2013-16(Mari Bio)	DBT	82,42,400	82,42,400
2013-16(Mari Bio)	DBT	49,40,000	49,40,000
2012-15(Mari Bio)	DBT	6,35,000	6,35,000
2012-15(Mari Bio)	DST	1,95,000	1,95,000
2012-15(Mari.Sci)	UGC	8,18,000	8,18,000
2013-16(Mari.Sci)	DBT	37,79,000	37,79,000
2012-15(Maths)	UGC	6,98,909	6,98,909
2012-15(Maths)	DST	9,84,000	9,84,000
2010-13(Microbio)	DBT	0	0
2011-14(Microbio)	DST	0	0
2011-14(Microbio)	DST	0	0
2012-15(Microbio)	DST	0	0
2012-15(Microbio)	UGC	4,05,000	4,05,000
2013-15(Microbio)	DST	6,00,000	6,00,000
2013-16(Microbio)	DBT	0	0
2013-16(Microbio)	DST	0	0
2013-18(Microbio)	DST	14,00,000	14,00,000
2012-14(Periyar)	CICT	0	0
2010-14(Physics)	CSIR	29,000	29,000
2011-14(Physics)	DST	0	0
2011-14(Physics)	UGC	1,00,000	1,00,000
2011-14(Physics)	DST	24,00,000	24,00,000
2011-14(Physics)	DST	7,52,128	7,52,128
2012-13(Physics)	DMRL-CARS	4,50,000	4,50,000
2012-14(Physics)	DST	4,50,000	4,50,000
2012-15(Physics)	DAE	2,57,000	2,57,000
2013-16(Physics)	DST	7,50,000	7,50,000

	2013-16(Physics)	DST-Ind-Fre.	85,03,000	85,03,000
	2012-15(Plant)	UGC	0	0
	2013-15(Plant)	TNSCST	2,92,000	2,92,000
	2013-15(Plant)	DBT	4,75,800	4,75,800
	2013-16(Plant)	UGC	14,20,000	14,20,000
	2013-15(WS)	ICSSR	3,00,000	3,00,000
Major Projects – Sanctioned	2013-17(Ani. Sci.)	DST	9,27,000	9,27,000
	2013-16(Mari Bio)	DBT	15,07,400	15,07,400
	2013-15(Mari.Sci)	DST	3,00,000	3,00,000
	2013-17(Mari.Sci)	UGC	9,23,000	9,23,000
	2014-17(Mari.Sci)	GOMBRT	6,15,000	6,15,000
	2014-17(Mari.Sci)	MOES	21,00,000	21,00,000
	2013-15(Microbio)2	DBT	1,88,09,800	1,88,09,800
	2013-15(Microbio)	DST	31,52,609	31,52,609
	2013-17(Physics)	DST	24,00,000	24,00,000
	2013-16(Physics)	DRDO	36,63,000	36,63,000
	2013-16(Physics)	DST	7,00,000	7,00,000
	2013-16(Physics)	NBHM	3,90,000	3,90,000
	2013-14(Physics)	DST-JSPS	2,87,000	2,87,000
	2012-16(CRS)	BRNS	11,98,000	11,98,000
	2012-16(CRS)	BRNS	9,34,000	9,34,000
	2012-16(CRS)	BRNS	10,34,000	10,34,000
	2012-16(CRS)	BRNS	10,34,000	10,34,000
Minor Projects	2013-14(CYDS)	State Planning Commission	3,75,000	3,75,000
Interdisciplinary Projects	--	--	--	--
Industry sponsored	2013-16(Chemistry)	Dupont USA	2,65,000	2,65,000
Projects sponsored by the University/ College		--	--	--
Students research projects *(other than compulsory by the University)*	2013-14(Mari. Bio) 2013-14 (Microbio) (3 students)	TNSCST TNSCST	35,000 30,000	35,000 30,000
UGC-INFLIBNET	2013	UGC-INFLIBNET	21,50,000	21,50,000
UGC-SAP (Animal Sci.)	2013-18	UGC	50,00,000	50,00,000
UGC-SAP (BTGen.Eng.)	2011-16	UGC	0	0
UGC-SAP (Chemistry)	2013-18	UGC	0	0
UGC-SAP (EDU.TECH)	2013-18	UGC	5,90,000	5,90,000
UGC-SAP (Geography)	2009-14	UGC	4,00,000	4,00,000
UGC-SAP (Physics)	2013-18	UGC	3,30,000	3,30,000
UGC-SAP (CRS)	2012-17	UGC	37,80,000	37,80,000
UGC-SAP (Plant Sci.)	2011-16	UGC	0	0
DST-FIST (Biochemistry)	2014-19	DST	40,50,000	40,50,000
DST-FIST (Chemistry)	2012-17	DST	0	0

DST-FIST (Maths)	2014-19	DST	15,00,000	15,00,000
DST-FIST (CRS)	2013-16	DST	0	0
DST-PURSE	From 2011	DST	2,93,44,174	2,93,44,174
UGC Merged Scheme for UPSC Coaching Class	2013-14	UGC	82,412	82,412
Tamilnadu Grant for Establishing HiTech Labs	2012-17	TNG	9,75,000	9,75,000
Tamilnadu Govt. Grant for upgrading the labs (CRS)	2010-13	TNG	21,30,000	21,30,000
ICT enabled training Centre for the Differently Abled Persons	2013-15	TNG	9,75,000	9,75,000
TNSCST Govt of Tamil – nadu (Marine Science)	2013-14	TNSCST	7,500	7,500
Total in Rs.			13,08,87,097	13,08,87,097
Total in Lakhs			1308	1308

3.7   Number of books published

   i) With ISBN Number   : 27   ii) Without ISBN Number   : 04
   iii) Chapters in Edited Books : 53   iv) Edited Books   : 02

3.8   Number of University Departments receiving funds from

     UGC-SAP : 8   CAS : 0   DST-FIST : 4
     DPE   : --   DBT Scheme/funds : --

3.9   For colleges   -- Not Applicable
      Autonomy :   CPE :   DBT Star Scheme :
      INSPIRE :   CE :   Any Other (specify) :

3.10   Revenue generated through consultancy

      Rs.   19,79,394/-

    The Publication Division has sold its publications (books) totalling to the amount of Rs.21,83,872/-.

3.11 Number of Conferences/Seminars/Workshops etc. organized by the Institution

Level	International	National	State	University	College
Number	5	57	04	10	5
Sponsoring agencies	UGC, BDU, UDIS Forum	UGC, CSIR, DRDO, DST, DBT, BDU, ICSSR, SBC, DMRL-CARS TNG, ICHR, TNSCST, ICMR, IES, BRNS, Univ. of Malaya, Kalaingam Pathipagam, CPAEF[1], MHEF[2], BDE[3], DZF[4]	BDU, UGC	DST, BDU, IIRS-ISRO, Jammal Mohammed College	BDU

CPAEF[1]   -- C.Pa. Adithanar Endowment Fund
MHEF[2]   -- Marhum Haji Endowment Fund
BDE[3]   -- Bharathidasan Endowment (Government of Tamilnadu)
DZF[4]   -- Doerenkamp-Zbinden Foundation, Switzerland

3.12 Number of faculty served as experts, chair persons or resource persons

092

3.13 Number of collaborators with whom research publications made during this year

International : 68   National : 66   Any other : 2

3.14 Number of linkages created during this year

28

3.15 Total budget for research for current year in lakhs

From Funding agency   : 1308
From Management of University : 0219
Total   : 1527

3.16 Number of patents received this year

Type of Patent		Number
National	Applied	3
	Granted	1
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

3.17 Number of research awards/recognitions received by faculty and research fellows of the institute in the year

Faculty

Total	International	National	State	University	District	College
16	2	12	1	--	--	01

Research Fellows

Total	International	National	State	University	Dist	College
18	02	12	04	--	--	--

3.18 Number of faculty from the Institution who are Ph. D. Guides -- 169
and students registered under them -- 155

3.19 Number of Ph.D. awarded by faculty from the Institution   -- 120

3.20 Number of research scholars receiving the fellowships (newly enrolled + existing ones)

JRF : 202   SRF : 70   Project Fellows : 26   Any other : 18

3.21 Number of students participated in NSS events:

University level : 134   State level   : 007
National level : 004   International level : --

3.22 Number of students participated in NCC events:

University level : 50   State level   : 10
National level : 03   International level : --

3.23 Number of awards won in NSS:

University level : 09   State level   : ---
National level : ---   International level : ---

3.24 Number of awards won in NCC:

University level : 01   State level   : --

National level   : --   International level : --

3.25 Number of extension activities organized

University forum : 11   College forum   : 01
NCC   : --   NSS   : 02   Any other : 01

3.26 Major activities during the year in the sphere of extension activities and institutional Social responsibility

Business Development Centre

- Basic Haematology, Biochemistry, Microbiology and Serology tests such as Blood Grouping & RH Typing ,TC, DC, ESR , Haemoglobin, Sugar (Random), Anti HIV1 and HIV 2 etc.,   were undertaken by the Biomedical Diagnostic Laboratory during the present report period for 177 cases.

- The Business Development Centre has admitted / enrolled a total number of 576 students in collaboration with 10 specialized institutes/Hospitals.

Centre for Bharathidasan Studies

- Poetry, Essay, Singing and Oratorical competitions were conducted and Prizes were awarded to the participants who secured first and second places for the students of the University Departments, affiliated colleges and University office staff.

- Paavendhar Bharathidasan Endowment, Marhoom Haaji Maayin Abubacker Endowment and Si.Pa Adithanar Endowment Lectures were conducted.

- 'Ilakia Aaivu Vattam' was conducted on first Wednesday of every month.

Centre for Cultural Activities

- BDU FEST 2013 – The Inter Collegiate Cultural Convergence was organized at the University from 10-12, January 2014. A total number of 1197 students from 42 colleges participated in 29 cultural events.

Centre for Differently Abled Persons

- Observance of *World Sight Day* (10-10-2013) and human chain and signature campaign on "*Eye Donation*" with 1500 students and volunteers.

- Observance of *Human Rights Day* (10-12-2013) and walkathon emphasizing *Equal Rights for Persons with Disabilities*.

- Observance of *International Day for Persons with Disabilities* (03-12-2013) and a rally on *Breaking the Barriers of Inclusion*.

- Observance of *World Down Syndrome Day* on 23-03-2014.

Centre for University Industrial Collaboration

Sl.No	Name of the programmes	Date	Place
1.	Mega Campus Recruitment Drive (Jointly organized with Department of Computer Science, BDU)	09-11-2013	Bharathidasan University Technology Park, Trichy
2.	One day Workshop for College Principals & Placement Officers	29-04- 2014	Breeze Residency, Trichy

Centre for Youth Development and Studies

- UGC free coaching classes for UGC-JRF/NET examination for first paper were held from 30-11-2013 to 15-12-2013 and from 03-06-2014 to 19-06-2014.

NSS

- A one-day awareness Programme on *Adolescent Girls' Health, Sanitation and Menstrual Hygiene Management* was held on 22-08-2013.

- In association with the office of the Commissioner of Police, Tiruchirapalli a one-day *Master Training Programme on Traffic Awareness* has been organized on 27-08-2013.

- In association with the Centre for Differently Abled Persons and the Joseph Eye Hospital, Tiruchirapalli organized a *Human Chain Programme* on 10-10-2013 on the eve of *World Sight Day* to create awareness on *Eye Donation and Eye Health*.

- World Women's Day celebration was held on 08-03-2014.

- In association with the Tiruchy District Administration organized an *Awareness Rally* in view of the *National Voters'* Day on 25-01-2014.

- A special camp was organized at Chinna Suriyur village during 25-31, March 2014.

- An Eye camp was conducted at Chinna Suriyur village on 28-03-2014.

- In association with the Tiruchy District Administration organized a *Mega Human Chain* on 27-03-2014 to encourage the voters to cast their franchise in the wake of parliament election.

- Arranged a *Human Chain* on 25-06-2014 in association with the Leucoderma Awareness Movement.

- Supplied and installed 25 Electrical Sanitary Napkin Incinerators to the Educational Institutions (Schools & Colleges) during the Ist phase of the BDU NSS WISH – BHEL CSR Project (Financial Support from BHEL, Trichy).

NCC

- Master Training Programme to 39 NCC cadets on 27.08.2013.
- Traffic Awareness Programme by NCC cadets from 29.08.2013 to 28.09.2013.
- Independence Day and Republic Day Celebrations in the University campus.
- Road Safety Rally on 12.01.2014.

Department of Animal Science

- Conducted the Institutional Animal Ethics Committee meeting for approval of experimental animals for research purpose for University Departments and affiliated colleges.
- Awareness Programme for prevention of Eye infection for general public were conducted at Keelapalur, Ariyalur District (on 31-05-2014), Manachanallur, Tiruchirapalli District (on 13-06-2014) and Periyar E.V.R. College (on 20-06-2014).

Department of Biomedical Science

- A one-day free dental check-up camp was organized in association with Vasan Dental Care, Tiruchirapalli on 23-08-2013 for the benefit of the staff and the students of the University.

Department of Chemistry

- Major sophisticated instruments were demonstrated to students and faculty of some colleges.

Department of Environmental Management

- Village adoption, anti-tobacco day, ozone day programmes were some of the activities organized by the department.
- Health and Hygiene for village children: Invited physician from Government Hospital, Tiruchy and arranged awareness talk to children of Sooriyoor.
- Traffic awareness program.

Department of History

- Offered a Research Methodology course as an elective course for the students of affiliated autonomous colleges of Bharathidasan University.

Department of Geography

- Conducted Satellite Based Distance Learning Program (IIRS-ISRO Outreach Program) on Basic Course on Remote Sensing, Geographical Information System and Global Navigation Satellite System during August 05 – November 13, 2013 for the benefit of students and research scholars.
- Students of M.Tech. Geoinformatics and research scholars were given training on Interdisciplinary Applications of Geographical Information Science by Dr. Shahnawaz, Director (S & SE Asia), UNIGIS International, University of Salzburg, Austria under Inviting Renowned Professors of Foreign Universities scheme of Government of Tamilnadu.

Department of Plant Science

- Research Scholars and Students of this Department participated in the Tiger Census Programme conducted by the Tamil Nadu Forest Department in the KMTR.

Department of Social Work

- The Department of Social Work has executed several extension and awareness programmes including Mental Health, Infertility Causes and Treatment and Health and Hygene.

S.No	Date	Topic	Place / Venue
1	21/1/2014	School Mental Health Programme	St.Antony's Matriculation High School, Trichy.
2	20/2/2014	Awareness Programme on Infertility Causes and Treatment	Janet Nursing Home, Trichy.
3	21/2/2014	School Mental Health Programme	K.K Nagar, Trichy.
4	25/2/2014	Health and Hygiene	St.Antony's Home, Kattur, Trichy.

Department of Women Studies

- The Department offered gender sensitization, capacity building and awareness programmes on gender, life skills, leadership, entrepreneurship, menstrual hygiene management, research methodology etc, for faculty, students, teachers, NGOs self-helping women and women entrepreneurs periodically.

- Marketing support by introducing self -help women stalls at the University campuses.

- 25-Day Women Entrepreneurship Skill Development Programmes were conducted during 11-11-2013 to 09-12-2013 and 22-11-2013 to 31-12-2013 with the support of EDI, Chennai.

- One day *Training on Criminal Law Amendment Act 2013 on Sexual Harassment against Women and Girl Children* was conducted on 07-01-2014 jointly with Wind Trust, Tiruchirapalli.

Mahatma Gandhi—Doerenkamp Centre (MGDC) for Alternatives to Use of Animals in Life-Science Education

- The Centre organized workshops on in vitro toxicology.

Entrepreneurship Development Programmes

- IECD has organised entrepreneurship development programme. This programme identified the persons with entrepreneurial quality, motivated them and trained them through structured training programme so as to enable them to set up their tiny and small scale industrial ventures with the assistance available from different agencies.

- IECD conducted the Entrepreneurship Development Programmes for the College students of affiliated colleges of Bharathidasan University. Totally 2578 students were trained during this report period.

- Government of Tamilnadu, EDI's sponsored Five days Capacity Building Training Programme for IC & DIC Staff on Administrative Procedures was organized jointly by Entrepreneurship Development Institute (EDI) and IECD at IECD, Bharathidasan University, Tiruchirappalli, from 07–11 October 2013.

- The Centre conducted the Special Short-Term Programme on Office Automation with Internet to the Lawyers of Tiruchirappalli Bar Association in collaboration with Shrimati Indira Gandhi College, which is one of the Nodal Centre of IECD, at Shrimathi Indira Gandhi College, Tiruchirappalli conducted in May 2013 and August 2013. Totally 46 lawyers were benefited through the programme.

- One Day Training Workshop on Business Project Preparation for Final Year IT Students of Bharathidasan University was organized on 19th July 2013 at IECD.

- 80 Final Year Management Students of the University had actively participated and benefited through the One Day Training Workshop on Business Project Preparation organized at IECD on 23rd July 2013.

- On 24th July 2013, IECD organized One Day Training Workshop on Business Project Preparation, 113 Arts and Science Students of the University had been participated actively.

- Government of Tamilnadu, Entrepreneurship Development Institute (EDI)'s Five days Capacity Building Training Programme for IC & DIC Staff on Administrative Procedures was organized jointly by Entrepreneurship Development Institute and IECD, Bharathidasan University from 09–13 December 2013.

University Library

- Organised the Librarian's Day Celebration on 12-08-2013 in the Department of Library & Information Science, Bharathidasan University, Tiruchirappalli-24

- Organized a one-day Workshop on demonstration and hands on training on *Access to SciFinder Scholar Database* on 17-10-2013.

- A one-day National Library week Seminar on *Research Data and Scholarly Information* was conducted on 13-11-2013.

- Organized a one-day national workshop on *Impact of Information Technology on Scientometric Studies* on 17-02-2014.

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	460.90 acre	--	--	460.90 acre
Class rooms	101	02	Cethar Vessels Limited,Tiruchirapalli, DZF [1]	103
Laboratories	132	03	DZF [1]	135
Seminar Halls	29	01	DZF [1]	30
Number of important equipments purchased (≥ 1 lakh) during the current year.	--	07	DZF[1] , Tamilnadu Government, BRNS, AMD, DAE	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	78.22	DZF[1] , Tamilnadu Government, BRNS, AMD, DAE	--
Others	--	--	--	--

DZF [1]   -- Doerenkamp-Zbinden Foundation, Switzerland

4.2   Computerization of administration and library

Administration

- All the circulars were communicated by the University offices to Departments through e-mail. Reply documents by the faculty and by the Departments are sent through e-mail.

- In some Departments the books available in the Departments' library were computerized.

- Details of applicants applied for admission to various Programmes were computerised.

- All examinations related documents were computerised.

Central Library

The Central Library has the following computerized facilities.

- Automated with NIRMALS Software
- Online Public Access Catalogue
- Online Union Catalogue
- Institutional Repository
- Gate Register
- Integration of E-Books Metadata
- Bar-coded Photo id Membership

4.3   Library services

	Existing		Newly added		Total	
	Number	Value	Number	Value in Rs	Number	Value in Rs
In the Depts/Centres Text/Ref. Books	69,186	-----	5013	15,36,109	74,199	-----
In the Central Lib. Text/Ref. Books	75,209	-----	877	8,98,750	76,086	-----
e-Books	-----	-----	-----	-----	-----	-----
Journals (Renewal)	183	-----	183	7,89,008	183	-----
e-Journals	8000+	-----	18	UGC Infonet	8000+	-----
Digital Database	19	------	-----	-----	-----	------
In the Depts/Centres CD & Video	270	-----	32	550	302	-----
In the Central Lib. CD & Video	700	-----	50	-----	750	
Others	-----	-----	-----	-----	-----	-----

4.4   Technology upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1097	23	Yes[*]	[*]	2	12	36	[#]27
Added	44	--	--	--	--	--	--	--
Total	1141	23	--	--	2	12	36	

[*] Internet connectivity (including WiFi) is provided to all the departments/Centres/Offices of the university. Students , research scholars, faculty can access the internet facility (WiFi) within the campus after registering at the Informatics Centre.

[#] Includes: 1 Multimedia Lab + 23 Centres + 3 Skill Based Education Services.

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

- Teachers were trained to teach through the ICT equipments available in the Informatics Centre.
- E-learning was facilitated by knowledge packaging through digital forms.
- E-mail ids with the University internet address are provided to research scholars also.

4.6 Amount spent on maintenance in lakhs:

i) ICT	0.55
ii) Campus Infrastructure and facilities	312.90
iii) Equipments	7.10
iv) Others	0.51
Total :	321.06

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Academic Counsellors were appointed for each Programme by the respective Departments.

- Details of various scholarships were informed through department notice board.

- Students were educated to apply for summer research fellowships available under different streams.

- Research fellowship and travel grant information for the students to participate in national and international events were communicated.

- Freshers' day orientation programme gave awareness about the curriculum, syllabus co-curricular and extension activities.

- Rank certificates were provided by our University to top students to enable them to get research fellowships and find suitable job.

- Extra disciplinary course on Personality Development and Youth Entrepreneurship were offered by the Department of Life-Long Learning.

- Soft skill Workshop and Mock Interview were conducted by the Department of Commerce and Financial Studies.

5.2 Efforts made by the institution for tracking the progression

Progression and tracking of the students are monitored by the Departments. To ensure efficient tracking progression of students the University follows certain strategies and executes the following. Academic and Administrative Audit is conducted once in three years by a committee.

- Number of tests are conducted in each semester.

- Assignments are given to the students.

- Students are asked to present a seminar in each course pertinent to the syllabus in each semester.

- Remedial classes are taken for the slow learners.

- Group mail interaction with the Alumni is followed by the Department of Education Technology.

- PG students are encouraged to apply for summer fellowships and internships and encouraged to enter into a research career.

- Part time jobs offered by the different companies housed in the Technology Park.

5.3 (a) Total number of students

UG	PG/PG Diploma	M.Phil.	Ph.D.	Others	Total
---	1536	251	722	50	2559

(b) Number of students from outside the state --- 35

(c) Number of international students   --- 04

(d) Total number of students

Gender	Number	Percentage (%)
Male	1221	47.71
Female	1338	52.29

Last Year					
General	SC	ST	OBC	Physically Challenged	Total
214	533	31	1725	18	2521

This Year					
General	SC	ST	OBC	Physically Challenged	Total
230	642	19	1666	2	2559

Demand Ratio : 1 : 1.5   Dropout % : 0%

5.4 Details of student support mechanism for coaching for competitive examinations

- Departments of Biochemistry, Education Technology, Social Work conducted coaching classes/guidance for their students preparing for NET/GATE Examination.
- Department of Education Technology conducted free coaching classes for its students preparing for teachers' eligibility test and teachers recruitment board examinations.
- Department of History conducted coaching classes for its students for UPSC and NET Examinations.

5.5 Number of students qualified in these examinations

NET   : 25   SET/SLET : 08   GATE : 07   CAT   : ---
IAS/IPS etc : ---   State PSC : 01   UPSC : ---   Others : 09

5.6 Details of student counselling and career guidance

- Research opportunities, relevant job openings are displayed in the notice board of the Departments and the students are encouraged to apply.

- Department of Commerce and Financial Studies has regular counselling to the students and career guidance through soft skill workshop for every semester.

- Departments have counselling hours in regular time-table.

- The Department of Life-Long Learning offers a separate course in M.A. HRM on Counselling and Guidance.

- In the Departments, faculty advisors counsel the needy students and based on the interest of the students, they guide them in choosing the non-major elective courses, preparation for planning for higher studies etc.

Number of students benefitted : Most of the students of PG, M.Phil. and Ph.D. are benefited either directly or indirectly.

5.7 Details of campus placement

- Department of Commerce and Financial Studies has arranged for campus interview by Share microfin.

On Campus			*Off Campus*
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
CP- Aquaculture India (Pvt.) Ltd. Chennai	19	9	76

5.8 Details of gender sensitization programmes

The University has a Department of Women's Studies and it conducts gender sensitization programmes to students, staff, rural women, SHG women, unemployed youth, school children, college staff, women in public life and adolescence youth. Its activities are also centered about promotion of gender equality over all spheres of life.

- One day *Gender Sensitization* Programme was held on 20-02-2014 jointly with the Inner Wheel Club of Tiruchirapalli.
- An invited Lecture Programme on *Honor Killing – An Emerging Form of Gender Based Violence* was conducted on 19-03-2014.

- Students were guided in the gender related issues during the counselling hours.

5.9   Students Activities

5.9.1 Number of students participated in Sports, Games and other events

State/Univ level -- 60   National level -- 18   International level -- 11

Number of students participated in cultural events

State/Univ level -- 33   National level -- 00   International level – 00

5.9.2 Number of medals /awards won by students in Sports, Games and other events

Sports and Games:
State/Univ level -- 00   National level -- 00   Inter. level -- 00
Other Events:
State/Univ level -- 04   National level -- 11   Inter. Level -- 04

5.10   Scholarships and Financial Support

	Number of Students	Amount in Lakhs
Financial support from institution University Research Fellowship	56	22.26
Financial support from government (funding agencies) Fellowships	260	465.79
Financial support from government Scholarships	1545	119.69
Financial support from other sources	1	0.03
Number of students who received International/National recognitions	--	--

5.11   Student organised / initiatives

Fairs: State/Univ. level   --   02   National level -- 0   Intern. Level -- 0
Exhibition: State/Univ. level -- 00   National level -- 0   Intern. Level -- 0

5.12   Number of social initiatives undertaken by the students : 11

5.13 Major grievances of students (if any) redressed:

The University has a Student Counselling and Grievance Redressal Cell. It has a formal mechanism for solving the grievances of students.

Criterion – VI

6. Governance, Leadership and Management

6.1   State the Vision and Mission of the institution

Vision

With the ultimate aim of creating a brave new world, Bharathidasan University ensures the pursuit of excellence in teaching, learning, research, and extension of kno
wledge through higher education.

Mission

The mission of Bharathidasan University is to promote scholarly, scientific and critical inquiry among the learners to move forward in the frontiers of knowledge and enrich and elevate them as the citizens of the state, the nation, and the world by offering nationally and internationally competitive learning and creative activity through quality programmes of teaching, research, and extension.

6.2   Does the Institution has a management Information System

A salient feature of the University management is that, there is a practice of constituting several sub-committees and other non-statutory bodies to discuss the issues and their complexities in depth and recommend decisions to the relevant authorities. University has various administrative, academic and research committees for its smooth functioning and better outreach of day to day activities to faculty, students and staffs.   Administrative officers and the faculty of the University are appointed as the members of   such committees. Some of the important committees are Syndicate Subcommittee, Finance Committee, Planning Board,   Standing Committee of Academic Affairs, Research Committee, Academic Structure Committee, Appointment Committee, Applications Scrutinizing Committee, Fee Revision Committee, Project Monitoring and Evaluation Committee, Technical Information and Liaison Committee,   Prospectus Revision Committee, Examination Reforms Committee, Purchase Committee, Library Advisory Committee, Internal Quality Assurance Cell, Students Counselling and Grievance Redressal Cell, UGC – Academic Staff College (Human Resource Development Centre), Centre for University Industry Collaboration, Placement and Training Cell, Institute of Entrepreneurship & Career Development, Informatics Centre, Intellectual Property Right Cell, Cultural Wing, Grievance and Anti-Ragging Cell, Anti-Sexual Harassment Cell and Secretary for Bharathidasan University Inter-Collegiate Sports and Tournaments.

Whenever necessary Committees like Discipline Committee, Campus Development Committee, Monitoring Committees, Canteen Committee, Building Committee, Advisory Committee for specialized Teaching and Man Power Assessment Committee with University faculty are constituted to look into related issues and matters.

In each Department various academic and administrative works are distributed to faculty by appointed coordinators/incharges. Students can download Bonafide Certificate, Bank Loan Certificate and No dues Certificate.

The Publication Division of the University publishes the quarterly news letter (BARD NEWS) of the University.

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

6.3.1 Curriculum Development

Bharathidasan University has established a Council for College & Curriculum Development and it plays a key-role in establishing and updating a systematic processes in designing and regularly revising the curriculum in the University Departments and affiliated colleges.

- Autonomy is given to all the Departments in designing and updating the structure of the Programmes and syllabi of the courses based on the international and national levels and social needs.

- Feedback from outgoing students, Alumni and other stakeholders is one of the key mechanisms for curricular reform.

- The guidelines given by state government and UGC are followed for quality improvement in the curriculum.

- With the financial assistance of state government the University setup a World Class Curriculum Development Cell to design a curriculum of world class standard on selected subjects. The curriculum design is in progress.

6.3.2 Teaching and Learning

The teaching-learning process is strengthened through periodical seminars, field visits, intensive laboratory courses and compulsory project work for all the PG programmes. Bharathidasan University has the following strategies for effective teaching and learning.

- The faculty members submit the annual self-appraisal about their teaching, research and extension activities.

- Library and Language Labs are used to ensure the quality in teaching and learning.

- ICT methods are utilized for teaching.

- Departments have weekly seminar hour every week.

- SMART Class Room Facility is available in the Departments.

- Faculty update their quality of teaching and teaching strategies by referring related journals and articles appearing in magazines.

- Reports on the feedback obtained from students on faculty and courses are informed to the faculty for quality improvement on teaching methodology.

- Students centered learning strategy is monitored through tutorials, assignments and individual seminars, laboratory works and project work.

- In the Science Departments in Laboratories facilities are updated and improved regularly so that each student perform experiments individually.

- Department of Geography has a Satellite Interactive Terminal (SIT) to conduct IIRS –ISRO EDUSAT Outreach Programmes.

- The "Biochem Journal Club" was initiated by the Department of Biochemistry and successfully enduring for students to acquire the power of knowledge to analyze and review through research articles.

- Practicing of management games in the department (weekly) by the students of Department of Commerce and Financial Studies.

6.3.3 Examination and Evaluation

- Evaluation process is designed and approved by Board of Studies and SCAA.
- Question papers setting by outside experts.
- Question papers are scrutinized by the course teacher.
- In the Science Departments practical examinations are conducted before the examinations on theory courses.
- Single and external evaluation process.
- Passing Board to approve the results of the examinations.
- Revaluation and re-totalling for demanding students.
- Instant Examination for outgoing students with only one arrear.

6.3.4 Research and Development

The Bharathidasan University takes extreme care for enhancing quality of research and teaching. The following strategies are implemented for this purpose.

- Academic and Administrative Audit is conducted once in three years.
- New project proposals are screened by a coordinator appointed by the University.
- Seed money is provided to newly recruited faculty for preparing new research proposals.
- Incentive is given to faculty with major projects with total budget above an amount.
- University provides fellowships to number of research students.
- Financial support is provided to faculty for presenting their research report in scientific meetings.
- Workshops are periodically conducted to develop the research report writing skill and update the research methodologies. *Writing Science* – An one day seminar on scientific and technical writing was organized on 22-01-2014 by the Department of Industrial Biotechnology.
- The Departments/Centres conduct weekly research seminar.
- Department Research Committee meets periodically to make recommendations on the applications received for Ph.D. registration based on the performance of the applicants on entrance examination and oral interview.
- Doctoral Committee suggests course works for the research scholars and assess their progress of research periodically.
- The University has a Publication Division through which printing, publishing and selling of publications of faculty members are carried out.
- SMART journal awards and an award for the best user of library are presented.
- Students are encouraged to apply for summer schools/projects offered by other institutions.

- Research Scholars are periodically sent to attend training programmes in research methods (thesis writing, modelling).

- A computer and a printer are provided to newly recruited faculty.

- University library has an Anti-Plagiarism software.

- Molecular models, computational packages are also used (Gaussian-03, 09, ADF-2008, Gaussview)

6.3.5   Library, ICT and physical infrastructure/instrumentation

- The University has a Central Library. In addition all the Departments/Centres have Library with international edition books. The books are issued to students and faculty. Journals can be accessed by the students and faculty within the campus through internet/WiFi.

- Central Library has a separate thesis section.

- Bharathidasan University's Digital Knowledge Repository provides comprehensive access to scholarly digital content (Journals, e-books, articles, Electronic Theses and Dissertations (ETDs), video & audio resources) to the students, faculty and staffs.

- Literature search facilities and group mail alerts are provided by the Central Library.

- The library has INFLIBNET and DELNET facilities. The UGC infonet facility helps to access more than 10,000 e-resources including thousands of e-journals.

- Fume cupboards are available in research laboratories.

- Intercom and internet facilities are provided for every faculty room.

- The physical facilities are maintained by the Estate Maintenance Department of the University.

- The Informatics Centre of this University maintains the computer networking, internet, website, all the servers, database and the digital library, etc. Internet connectivity has been provided to the entire campus of our University through Campus-wide network (Optical Fiber Backbone).

- There is a Central Workshop with a machine shop and glass blowing section. The workshop's personnel are helping the repair and maintenance of some of the equipments in the Departmental laboratories.

- The University has a Health Centre with a part time doctor and fulltime nurses, First-aid medicine, IRR Lamp, Electrocardiogram and other basic equipments.

- State of the art of computing facilities, GIS, Remote Sensing, GPS (Software and Hardware) are accessible.

- Leptospiral Repositry is made available at the Medical Microbiology Laboratory.

- Maintenance of medicinal plants at the Microbiology garden.

- Students and farmers are trained on Mushroom cultivation facility.

6.3.6 Human Resource Management

- Faculty who have joined without Ph.D. degree are encouraged to complete Ph.D. at the earliest.

- Assistant Professors are encouraged to attend Orientation Programmes and Refresher Courses organized by the Academic Staff College of the University.

- Based on the guidelines of UGC promotion of faculty under Career Advancement Scheme (CAS) is implemented. Performance Based Appraisal System (PBAS) is followed for various stages of promotion.

- Coordinators are appointed for admission, examination, library, computer lab and counselling.

- Self-appraisal report of faculty is annually submitted to the University.

- Faculty needs and requirements are obtained in the Department faculty meeting and implemented.

6.3.7 Faculty and Staff recruitment

Recruitment of faculty is done following the guidelines of UGC and state government. Recruitment is merit based through a Selection Committee and approved by the Syndicate. Nonteaching staff recruitment is made through a Selection Committee and approved by the Syndicate.

6.3.8 Industry Interaction/Collaboration

The University has a Centre for University Industry Collaboration.

- Department of Chemistry and E.I Du Pont Company, USA has collaboration for testing and evaluation of Properties useful for agricultural and Horticultural crop protection agents entrusted by E.I Du Pont de Nemours and Company, USA (Consultant: Dr. S. Muthusamy).

- Department of Geography has established linkages with Space Application Centre, ISRO, Ahmedabad, Indian Institute of Remote Sensing, Dehradun, Wadia Institute of Himalayan Geology, Dehradun, NIT, Tiruchirapalli, Centre for Water Resources Development and Management, Kozhikode and Infomap Consultants Pvt. Ltd., Chennai. 15 students were benefited.

- Department of History has collaboration with the Tamilnadu Archives and Historical Research in digitizing important historical documents (Digital Documentation).

- University has signed MoU with GVN Cancer Hospital, Tiruchirapalli to offer two year M.Sc. Medical Physics Programme.

- Industrialists and officials from Industries are included as a member of Board of Studies of each subject and in IQAC.

- MoU was signed by the Centre for Remote Sensing with NRSC, Hyderabad (Rajiv Gandhi National Drinking Water Mission) for preparing Groundwater Prospects maps in parts of Southern Maharashtra, Goa, Andaman and Nicobar Islands, and Rajasthan.

- Interactive sessions with the industry experts from Cithar Vessels were conducted.

6.3.9 Admission of Students

University follows a transparent admission system for all teaching programmes, Ph.D. and selection of JRF/SRF for various government agencies funded projects and University Research Fellowships. For admission to various study programmes, advertisements are issued in leading dailies and the University Website regarding the programmes of study offered in the various Departments. The university also publishes its prospectus annually. The Departments also bring out their own brochures. A committee used to visit all the constituent colleges of the university to brief the various programmes offered, features of the Programmes and the infrastructure and research facilities available in the Departments/Centres. Merit list of admission is displayed within a day in the Departments Notice Board.

6.4 Welfare schemes for teaching faculty, nonteaching staff and students

The University has the following welfare schemes for teaching and nonteaching staffs:

1. Accident insurance benefit.
2. Subsidy on house loan.
3. Vehicle advance.
4. Festival advance.
5. Advance for purchase of a computer.
6. Mediclaim.
7. Loan from provident fund.
8. Bus facility.

Welfare schemes for students and research scholars:

1. Group Insurance.
2. University van facility from city to University.
3. Hostel facility.
4. Sports and cultural facilities.
5. Limited number of University research fellowships.

6.5 Total corpus fund generated

Rs. 1,236 lakhs

6.6 Whether annual financial audit has been done

Yes

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	--	No	--
Administrative	No	--	Yes	LF Audit

University conducts Academic and Administrative Audit once in three years. A committee with external experts conducts the audit. The Audit is arranged by IQAC.

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

For UG Programmes : Yes

For PG Programmes :   Yes

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

University has an extreme concern in ensuring the quality on examination related activities and confidentiality on the various aspects of examination.

- Exclusive coordinator for examinations.
- Dates of internal tests and semester examinations are prefixed at the beginning of each semester and conducted by the respective Departments.
- The valuation of the semester examination is conducted by the respective Departments which leads to the announcement of results at the earliest.
- Visually challenged students are helped with scribes in Examination (Department of History).
- Students have provision for revaluation, re-totalling and claim xerox copy of the entire answer script.
- Supplementary examination is conducted for students having only one arrear course in the last semester.

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

- University conducts meetings with the Principals and affiliated, autonomous and constituent colleges. In these meetings honourable Vice-Chancellor of the University encourages the colleges to plan for making their colleges autonomous.
- University faculty are appointed as representative members of Academic Council of affiliated colleges. They provide guidance and encouragement for the colleges to become autonomous.
- Faculty/Principals/Deans of affiliated colleges/constituent colleges are members of Standing Committee on Academic Affairs, Senate of the University, Research Committee, etc. wherein they address concerns and relevant issues related to their institutions.

6.11 Activities and support from the Alumni Association

Nil

6.12 Activities and support from the Parent – Teacher Association

- Feedback forms from students and parents are obtained to and their grievances were resolved.

6.13   Development programmes for support staff

- The salary of Guest Lecturers and other temporary staff is revised regularly.
- A Thrift Society is functioning in the University.
- University has a Health Centre.

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

- Tree plantation is done through out the year by NSS and Estate Maintenance Department.

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. Give details.

- Preparation of a World Class Curriculum.

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

- Conduction of 81 conferences/workshops/seminars.

- The following new Programmes have been introduced in the present academic year:
    1. M.Sc. Industrial Biotechnology (By the Department of Industrial Biotechnology).
    2. PG Diploma in Inclusive Training and Development (By the Centre for Differently Abled Persons).
    3. M.Phil. in Development Studies.

- A Video-Conferencing facility has been established in order to strengthen the effective functioning of the Curriculum Development Cell in which the members of the Boards of Studies could interact with their subject experts across the globe for the development of curriculum.

7.3   Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

BEST PRACTICE - I

1. **Title of the Practice**

    Promotion of Research

2. **Objectives of the Practice**

    The prime objectives of the practice *Promotion of Research* are the following:

    - Realizing a high quality research environment.
    - Undertaking challenging research proposals.
    - Acquiring special grants/status from funding agencies.
    - Enhancing joint and collaborative research with nationally and internationally reputed institutions and industries.
    - Maintaining and enhancing the online resources for research.
    - Filing and receiving the award of patents.

3. **The Context**

    Research is indeed civilization and determines the economic, social, political, industrial and technological development of a nation. Only through research inventions

can be made. Research is essential for identifying implementable solutions and suggestions for new problems, events and phenomena occurring in our every day life. To execute any kind of research not only talented manpower is necessary but also necessary infrastructures, relevant technologies and sufficient financial support.

For the development of research activities in Universities approved ongoing research proposals are crucial for creating infrastructures and acquire man power for research because of limited annual financial support from central/state governments for research. To realized an outcome of a research beneficial to the society it is necessary to focus on very narrow fields and also to develop interdisciplinary and industry sponsored projects. Each and every departments and specialized centres make sure of executing high quality and greater quanta of research activities. The faculty and students should aware of various kinds of supports available from the funding agencies. Keeping these in mind, the Bharathidasan University is adopting several strategies and following certain practices in order to strengthen the research culture among the various disciplines, faculty and students and also to maintain a high quality research so that the University is well known in the national and international scenario.

4. The Practice

Bharathidasan University follows certain practices in order to encourage research activities in multi direction, ensuring satisfactory research atmosphere, motivate the PG students enter into the research career and execute collaborative research with top level institutions.

Seed money is provided to the young faculty to prepare research proposals. There is a provision of inviting experts from other institutions including from abroad for a short visit. Travel grant is provided to faculty to attend National and International Seminars, Conferences and Workshops and also for presentation of proposal under DST-FIST, UGC-SAP etc. Incentive is given to faculty operated major projects with total budget above an amount.

To strengthen the man power for research University has instituted number of research fellowships. Internet facility including WI-FI is available in the entire campus all the time. PG and M.Phil. completed students were encouraged to apply for Rajiv Gandhi, Moulana Azad, ICSSR, etc. fellowships. Workshops are periodically conducted for research scholars to develop their research report writing skill and update the research methodologies.

The Central Library has setup INFLIBNET, INFONET and DELNET facilities through which large number of e-resources including journals can be accessed. The Digital Knowledge Repository of the University has been established for the purpose of comprehensive access to scholarly digital contents (journals, e-books, articles, electronic theses and dissertations, video & audio resources) to the students, faculty and staffs.

Academic and Administrative Audit is conducted once in three years.

5. Evidence of Success

As a result of the above mentioned practices concerned with the promotion of research the Bharathidasan University has excelled in quality research outcome and able to receive a high amount of financial support from various funding agencies. Some of the notable achievements are enumerated below.

- ❖ Science Departments are supported by DST-PURSE grant.
- ❖ Number of DST-FIST sponsored Departments – 4
- ❖ Number of UGC-SAP sponsored Departments – 8
- ❖ Number of major projects – 107.
- ❖ Total number of publications in peer reviewed international/national level journals -- 761
- ❖ H-index of the University – 72
- ❖ Number of publications with foreigner – 64
- ❖ 3 patents applied 1 patent granted.
- ❖ Number of visitors from abroad – 28
- ❖ Number of visitors from other states – 17
- ❖ 23 visits to abroad by 18 faculty
- ❖ Number of Ph.D. awards -- 120

6. Problems Encountered and Resources Required

The necessity of increasing the number of faculty regularly in distinct research fields is felt. This may partially meet the expectation of diversified students and help them to choose appropriate fields for research. On the other hand, appointment of nonteaching staff to carry out exclusively the secretarial works related to major projects and special schemes of funding agencies will improve the research related activities. Absence of complete autonomy on the operation of major projects leads to certain inconveniences to the faculty. Complete autonomy with appropriate monitoring strategies would make much more better research environment.

Lack of well qualified laboratory assistants and trained technicians for operating sophisticated and costly equipments is a major concern. Further, all the computers in the campus have to be entered into annual maintenance. The Central Instrument Facility Centre need to function effectively with sufficient manpower to take care of maintenance and operation of sophisticated equipments thereby resulting in generation of fund through consultancy.

There are number of research scholars without fellowship either throughout or partial duration of their Ph.D. Such research scholars and their faculty have to make appropriate plan to receive financial support from the funding agencies through various schemes and opportunities. Particularly, every Department needs to conduct coaching to students to clear NET. On the other hand, Institutional financial support to limited number of research scholars is considerably lower than the fellowships provided by the funding agencies.

Heavy financial support is required for overcoming the above mentioned difficulties and high satisfaction of maintaining the practices.

BEST PRACTICE - II

1. Title of the Practice

Academic Autonomy to the Departments

2. Objectives of the Practice

The concept of an academic autonomy is a solution to setup an enabling environment, to enhance and strengthen the teaching and learning processes and improve the quality of academic outcomes. In view of this the Bharathidasan University has granted

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academic autonomy to all the Departments and specialized Centres with respect to their academic programmes. The following are the major objectives of this practice.

- To promote academic excellence.
- To evolve innovative teaching, learning and testing strategies.
- To develop self-learning, reasoning and creativity among the students.
- To use modern tools of educational technology.
- To promote healthy practices such as community services and extension activities.
- To undergo academic audit periodically for assessment.

3. **The Context**

The basic promise of autonomy to academic activities of Departments is that a Department with the autonomy status has to exercise academic freedom in its functioning. The Department is necessarily execute some of the functions of the administrative offices of the concerned University. For example, revising and restructuring of curriculum, designing of new programmes and courses, working out its own examination, evaluation and declaration of results are necessarily to be performed by the Department itself.

Autonomy in principle provides opportunity to every Department to develop and propose programmes and its structure based on the expertise of its faculty and the innovative ideas of the faculty. Autonomy is expected to provide a better framework for nurturing the calibre and attitudes of students towards learning, the competence and commitment of faculty towards educational processes and educational outcome. Consequently, Students, Faculty and Heads and Chairs of the Departments of the Bharathidasan University should jointly work together to raise the quality of the outcome of autonomy.

4. **The Practice**

In order to have a conductive environment to make use of the academic autonomy in an effective manner to realize excellence on the various components of academic activities the Departments of the University has the following practices.

- All the faculty are members of Board of Studies.
- Full freedom to the course teachers in deciding the content of the respective courses.
- Provision for revision of the pattern of the programmes, the content of the courses and examination pattern in each academic year based on the feedback from students, industrialists and other stakeholders and the performance of the students.
- Question setters of the courses are identifies as the experts in the respective courses.
- Quality of the question papers are scrutinized by the respective course teacher.
- Evaluation of the answer sheets by the respective question setters.
- Declaration of results of semester/annual examinations within one month from the date of completion of the examinations.
- Individual project for each student.

5. **Evidence of Success**

A substantial qualitative development in students' attitude, basic improvement in discipline and better students interaction are realized. All the Departments have smart board for class room teaching and is utilized for teaching. Each Department prepares its own academic calendar and follows it successfully resulting in smooth functioning of academic programmes. Students have access to the books in the library of the Departments/Centres. Students attend summer projects and internship programmes. Better relationship between faculty and students is realized. Due to the coaching provided by the Departments, 25 students qualified in NET, 8 in SET/SLET and 7 in GATE. Last Academic and Administrative Audit (AAA) was held during 2011. Appropriate actions are initiated on the suggestions and recommendations of the AAA Committee.

Due to the academic autonomy the following are realized in certain Departments/Centres. Credit for industrial visit is assigned. Double major has been introduced in I.M.A. History & Public Administration. Interaction of fast learners with research scholars made them to choose appropriate fields of research. Students are exposed to hands-on experiments on sophisticated equipments. Students actively took part in several social relevance extension activities including blood donation programme, tree plantation, assisting the people at old age home, service for blind people and awareness programmes.

6. **Problems Encountered and Resources Required**

There are certain difficulties and problems in the implementations of academic autonomy and in achieving the objectives of the practice. They are briefly summarized.

Academic collaboration among the Departments, in the other academic and research institutions and industries both in India and abroad need to be developed. Transfer of credits between different modes of learning to be well established. The possibility of implementation of the World Class Curriculum developed by various Universities of the Tamilnadu has to be analysed by the state government.

The existing number of administrative staff is inadequate. As a result, the faculty and research scholars are forced to perform several works related to the admission of students, examination and valuation.

The fields of science and other subjects grow rapidly in multi-direction. To enrich the knowledge of students on latest developments the state/central governments should provide financial support for increase the number of faculty at a fixed regular interval. It would be a better environment to have each faculty specialized in different fields rather than more than one faculty in a particular field. A monitoring mechanism has to be developed and followed in this regard. For a satisfactory outcome of autonomy it is necessary to identify the prerequisites of functional autonomy without which a Department/Centre cannot be able to perform its tasks. This has to be monitored regularly by a committee.

High block grant is needed to have a greater degree of freedom to set up the priorities of each Department/Centre. The University management necessarily encourage the speedy decision making, networking, team effort and collective responsibility to meet the challenges of higher education. Furthermore, the realization of goals of academic autonomy not only requires sufficient financial resources but also continuous upgradation of faculty and sanctioning of nonfinancial requirements of faculty and students by the University.

7.4 Contribution to environmental awareness/protection

The University created environmental awareness and protection through multi-direction.

- Students of Eco-Club of Department of Environment Biotechnology are also involved in campus cleaning and plantation of saplings. Plantations of saplings are made in front of the departments on the occasion of important days like National Science day.
- The faculty members of School of Chemistry are executing research activities in developing green technologies to make industrially important chemicals.
- Awareness programmes on environment are conducted on Ozone Day (in collaboration with the Bishop Heber College, Tiruchirapalli), World Water Day (in collaboration with PWD) by the Department of Environmental Management. This Department has adopted a village and initiated eco-friendly programmes. Anti-Tobacco Rally was also conducted. Coastal Cleanup Day and World Ocean Day were celebrated by the Department of Marine Science. Environmental History is a part of PG History curriculum.
- A special programme on *Live Stock Breeding and Management* was conducted for farmers on 11.12.2013 at Sathanur, K.K.Nagar, Tiruchirapalli.
- World Environmental Day was celebrated on 05-06-2014 jointly with WEAT, Tiruchirapalli.
- Toner cartridges are refilled one or two times instead of use of new one.

7.5 Whether environmental audit was conducted?

No.

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

Identification of strength, weakness, opportunities and threats (SWOT) of an educational institute and critical analysis of them are essential for thriving it towards realization of its goals on academic and research activities, governance and service to wider society. SWOT analysis is helpful for preparing plan for consecutive years. A brief summary of SWOT analysis of the Bharathidasan University is presented below.

Strength

- Very good number of publications, citations and h-index.
- Sufficient number of ongoing major projects.
- 24 specialized Centres, the Institute for Entrepreneurship and Career Development (IECD) and Business Development Centre.
- Strong collaboration with various national and international institutions.
- Good number of Hostels for Boys and Girls with sufficient necessary facilities.

Weakness

- Less number of students from other states and from other countries.
- Limited number of consultancies and revenue from them.
- Only one number of patent sanctioned.
- Inadequate Guest House for visitors.
- Less number of campus placement.

Opportunities

- Making the University with CPEA and UPE.
- Improving the campus placement.
- Academic and research collaboration with industries.
- Development for innovative and interdisciplinary new programmes.
- Administrative autonomy to the Departments and Centres.

Threats

- National and international level of competitions.
- Increase of annual budget estimate for salary, maintenance etc.
- Lack of faculty with prestigious national/international awards and recognitions.
- Preference of students towards engineering subjects.
- Stagnant man power in both administrative and academic staff.

Other Relevant Informations

The Si.Pa Adithanar Endowment provides Rs. 7.5 Lakhs for Ph.D. research studentship and Rs. 3 Lakhs for conducting Endowment Lectures.

MoUs Signed with Industries/Institutions

IECD has signed MoUs with the following Industries/Institutions during the academic year 2013-14 for organising various job-oriented skill development programmes for the benefit of student & non-student youth:

1. Entrepreneurship Development Institute, Govt. of Tamilnadu, Chennai

The Business Development Centre (BDC) has entered into MoUs on 12.07.2013 with Southern Academy of Maritime Studies Pvt. Ltd., Chennai for offering the following six Diploma and four Certificate Courses from the academic year 2013-14 onwards.

Diploma Courses

1) Diploma in Port & Terminal Security
2) Diploma in Container Shipping & Port Terminal
3) Diploma in Warehouse & Inventory Management
4) Diploma in Port Management
5) Diploma in Ship Building and Ship Repair
6) Diploma in Shipping and Port Management

Certificate Courses

1) Certificate in Customs Clearance & Freight Forwarding
2) Certificate in Cargo Surveying
3) Certificate in Terminal Management
4) Certificate in Ship Agent, Chartering & Freight Forwarding

Department of Commerce and Financial Studies made an MoU with the New York Institute of Technology.

School-University-Industry-Tie-up Scheme (SUITS)

The Director of the IECD conceived the following 8 IT Certificate programmes under SUITS.

1. Computer Basics for 5th Std. Students
2. Office Automation for 6th Std. Students
3. Programming Techniques for 7th Std. Students
4. C Programming for 8th Std. Students
5. C++ Programming for 9th Std. Students
6. Graphic Design for 7th Std. Students
7. Web Design for 8th Std. Students
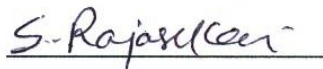8. 2D Animation for 9th Std. Students

The SUITS have been implemented over 109 interested Primary/High/Higher Secondary schools in Tamil Nadu during 2013-2014. The majority of the schools are from rural areas and covered in Tamil Nadu. Totally 20,425 students have successfully completed the programmes during 2013-2014.

Criterion – VIII

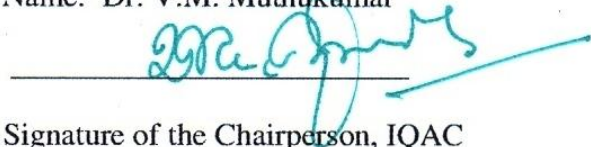## 8. Plans of institution for next year

- To complete a proposal under RUSE and submission of it.

- Submitting a proposal to UGC for financial support to conduct new programmes such as B.Voc. (Trouble Shooting and Maintenance of Electrical and Electronics Equipments), B.Voc. (Automobile Technology), B.Voc. (Logistics and Supply Chain Management) and M.Voc. . (Logistics and Supply Chain Management) by DDU Kaushal Centre (Deen Dayal Upadhyay – Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood).

- To initiate the preparation of proposals for UPE and CPEPA

- Development of World Class Curriculum as per the direction of state government.

- To introduce Post Graduate Diploma in Derivatives Market (PGDDM).

- To introduce a Five-year Integrated M.Sc. Geography Programme.

- To introduce a Post Graduate Programme in Inclusive Development.

- Train the NCC cadets for Thal Sainik Camp, Zonal Shooting Coaching Capsules, Republic Day Camp, National Games 2015.

Name : Dr. S. Rajasekar

Signature of the Director, IQAC

Name: Dr. V.M. Muthukumar

Signature of the Chairperson, IQAC

Annexure

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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