

# **ANNUAL QUALITY ASSURANCE REPORT (AQAR) FOR THE ACADEMIC YEAR 2015-16**

**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 changes. 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, Health Centre and Staff Quarters are 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 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, there are more than 1000 computers available for students and faculty.

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 can 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 124 colleges affiliated to the University including 29 Government colleges, 19 Government aided colleges and 76 self-financing colleges. Among them 8 government, 11 government aided colleges and 3 self-financing 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, senior administrative officers 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. During the last five years period, two such committees consisting of well known educationalists, academicians and scientists were appointed for this purpose. The last AAA was conducted during 2--5 September 2015. The Audit was performed by a committee with Professor S.P. Thyagarajan (Former Vice-Chancellor of University of Madras) as the Chairman and with Professor P. Kaliraj (Former Vice-Chancellor (Officiating) of Anna University), Professor K. Pitchumani (Madurai Kamaraj University), Professor A. Balasubramanian (University of Mysore), Professor S. Rajendran (The Gandhigram Rural Institute) and Professor M.A. Sudhir (Central University of Kerala) 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.

The IQAC executes the collection of students' feedbacks on teachers, courses and programmes at the end of each semester. The reports on the feedbacks are provided to the Departments for improvement of quality of teaching, revision of course contents and modification of structure of the programmes. From the academic year 2015-16 the feedbacks are collected through online only.

## **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. In the academic year 2015-16 the number of students studying are 21,728.

## **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 development, keep abreast of the latest development in the specific subjects and promote computer literacy as well as the use of ICT in teaching and learning process. During 2012-16 it conducted 68 Programmes including 18 Orientation Programmes and 36 Refresher Courses.

## **School of Skill Development & Entrepreneurship**

Institute for Entrepreneurship and Career Development (IECD) has been upgraded as School of Skill Development & Entrepreneurship under the Faculty of Arts. This School comprises of IECD, DDU-KAUSHAL (Deen Dayal Upadhyal--Knowledge Acquisition and Upgradation of Skilled Human Abilities and Livelihood) Centre. UGC has provided grant-in-aid of Rs. 3.5 crores for establishment of DDU KAUSHAL Centre. IECD is 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. It provided Entrepreneurship Development, Career Development, Skill Development programmes to 67,838 individuals and awarded University certificates. It has conducted 20 Motivation Campaigns to College Students on Promotion of Youth Entrepreneurship during 2015-16.

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# ANNUAL QUALITY ASSURANCE REPORT (AQAR)

## Part – A

AQAR for the year

2015-16

### 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. R. Babu Rajendran  
The Registrar i/c

Tel. Number with STD Code:

0431 - 2407092

Mobile:

09442105438

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:

Web-link of the AQAR:

1.6 Accreditation Details

S.No	Cycle	Grade	CGPA Score	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	86.50	29 April 2003	5 Years
2	2 <sup>nd</sup> 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 2010-11 submitted to NAAC on 12-10-2011))

- i) AQAR 2012-13 submitted to NAAC on 27-06-2016.
- ii) AQAR 2013-14 submitted to NAAC on 03-09-2016.
- iii) AQAR 2014-15 submitted to NAAC on 23-02-2017.

1.9 Institutional Status

University : State ☒ Central ☐ Deemed ☐ Private ☐

Affiliated College : Yes ☐ No ☐

Constituent College : Yes ☐ No ☐

Autonomous college of UGC : Yes ☐ No ☐

Regulatory Agency Approved Institution (eg. AICTE, BCI, ...) : Yes  No ☐

Type of Institution:

Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

Financial Status:

Grant-in-aid ☒ UGC 2(f) ☒ UGC 12B ☒  
Grant-in-aid + Self Financing ☒ 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*)

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   
UGC-COP Programmes  (*Specify*)



## 2. IQAC Composition and Activities

2.1 Number of Teachers	<input type="text" value="9"/>
2.2 Number of Administrative/Technical Staff	<input type="text" value="2"/>
2.3 Number of Students	<input type="text" value="--"/>
2.4 Number of Management Representatives	<input type="text" value="--"/>
2.5 Number of Alumni	<input type="text" value="--"/>
2.6 Number of any other Stakeholder and Community Representatives	<input type="text" value="1"/>
2.7 Number of Employers/Industrialists	<input type="text" value="1"/>
2.8 Number of other External Experts	<input type="text" value="1"/>
2.9 Total Number of Members	<input type="text" value="14"/>
2.10 Number of IQAC meetings held	<input type="text" value="1"/>

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. Arranged the 4th Academic and Administrative Audit during 2 -- 4, September 2015.

#### 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.
Conduct of 4th Academic and Administrative Audit	Arranged the 4th Academic and Administrative Audit during 2—4, September 2015.

\* 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 2015-16 will be placed in the forth coming syndicate meeting for approval.
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## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	40	--	--	--
PG	47	02	03	--
UG	01	03	--	--
PG Diploma	06	01	--	--
Advanced Diploma	04	--	--	--
Diploma	06	06	--	--
Certificate	17	03	--	--
M.Phil.	25	--	01	--
Others (Short term)	--	--	--	--
Total	146	15	04	--
Interdisciplinary	--	--	--	--
Innovative	01	--	--	--

##### 1.2 (i) Flexibility of the Curriculum

CBCS / Core / Elective Option / Open Options.

##### (ii) Pattern of programmes

Pattern	Number of Programmes
Semester	71
Trimester	--
Annual	7

### 1.3 Feedback from stakeholders (on all aspects)

Alumni	<input checked="" type="checkbox"/>	Parents	<input checked="" type="checkbox"/>	Employers	<input checked="" type="checkbox"/>	Students	<input checked="" type="checkbox"/>
Mode of feedback :		Online	<input checked="" type="checkbox"/>	Manual	<input checked="" type="checkbox"/>	Co-operating schools (for PEI)	<input type="checkbox"/>

#### From Students

- The students of Computer Science wanted a few current trend courses.
- Biochemistry: The content of the syllabus of PG Biochemistry is in regards to CSIR pattern. It provided a platform to attend competitive examinations. Handling of experiments given to each and every student definitely enhanced our practical skills. Some extracurricular activities like CLUB, was helpful.
- Biomedical Science: Supported for giving permission for extracurricular activities.
- The industrial visits and field trip organized by the Department of Environmental Management gave hands on exposure to the real world problems. The village adoption programme and the workshops conducted helped to understand the rural environmental problems.
- Department of Life-Long Learning: More internet facilities and research sources have to be created.
- Industrial visits and the activities in the Eco-Club meetings improved the subject knowledge and provided practical exposure to experimental techniques.
- Department of Medical Physics students insisted for AERB approval of the Programme and appointment of qualified medical physicists.

#### From Alumni

- Computer Science: Need to include an industry oriented course.
- Biochemistry: A student of has mentioned that Laboratory courses were well handled and improved the practical knowledge of students. Power Point presentations and seminars allotted to the students provoked them to search out of the book which immensely helped them to improve their knowledge. Subjects like genetic engineering and molecular techniques helped in knowing the advanced techniques and also see biochemistry in an improvised manner.
- Biomedical Science: A suggestion was to arrange for campus interview.
- A course related to corporate environmental management and environmental health and safety may be included.
- Department of Medical Physics Alumni insisted for AERB approval of the Programme and appointment of qualified medical physicists.
- Department of Life-Long Learning: Suggested to modify the syllabus of M.A. (HRM) Course by incorporating Office management, personality development, communication skills, and Computer skills to pass in government examinations. Also, suggested to conduct campus interviews for employment opportunities of the outgoing students.
- Department of Marine Science: Faults in the **Ceiling fans in the Department** have to be rectified.

### **From Parents**

- The parents of Computer Science suggested to provide training on communication skills to the students.
- Biochemistry: The students' skills for seminars have improved and also glad that the department encouraged them to attend conferences. The students had always felt that the laboratory facility was well and good. A parent of another student pointed that he heard that the standard of the syllabus was international standard.
- Biomedical Science: Intake has to be increased. The programme was not widely advertised.
- Department of Life-Long Learning: Computer skills and Spoken English classes have to be arranged for the students of M.A (HRM) since most of them hail from rural areas.
- Conducive environment in the Centre for Remote Sensing.

### **From Employers**

- The Department of Computer Science needs to have an industry oriented course.
- Requested the Department of Geography to share students/alumni details for employment opportunities in the IT sector.

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

- Department of Animal Science: The newly-framed syllabus for the M.Sc., in Animal Biotechnology programme was designed to include the classical zoology subjects as well as subjects that encompass the most recent trends in Animal Biotechnology.
- A BoS of Biochemistry was held on 01-10-2015. The suggestions made by the Alumni were considered to enhance the curriculum. Last semester is fully reserved for project work.
- A BoS of Commerce and Financial Management was held on 20-07-2015. The new elective courses Managerial Economics and Foreign Exchange Management and Stock Market Practices and the new foundation courses Applied Operations Research, Contemporary Business Communication and IT Lab and Packages for Business were introduced.
- Department of Education Technology: A BoS meeting was conducted on 11-07-2015. M.Ed. curriculum was revised.
- Department English: BoS meetings were held during 1<sup>st</sup> week of July 2015 and 3<sup>rd</sup> week of December 2015.
- Department of Environmental Management: A BoS meeting was held on 24-06-2016. New courses were introduced.
- Department of Geography: BoS meetings were conducted on 01-08-2015 and 12-05-2016. Framed syllabi for the 5 year I.M.Sc. and 2 year M.Tech. Geoinformatics programmes.

- Department of Microbiology: The core course *The Fundamentals of Biological Science* has been introduced in place of Microbial biotechnology.

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
174	103	13	58	--

2.2 Number of permanent faculty with Ph.D. -- 162

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
--	36	--	11	--	10	--	--	--	57

2.4 Number of Guest and Visiting Faculty and Temporary Faculty

Guest	Visiting	Temporary
52	11	Adjunct Faculty -- 1 DST Inspire -- 1 Professor of Eminence -- 1 UGC FRP Assistant Professor -- 4 UGC Emeritus Professor -- 2 Honorary Professor -- 1 Senior Research Scientists -- 1 CSIR Emeritus Scientist = 1 INSA Honorary Scientist = 1 Medical Physicists -- 02 Young Scientists -- 02

2.5 Faculty participation in conferences and symposia

Number	International level	National level	State level
Attended Seminars/ Workshops	53	107	24
Presented papers	66	132	06
Resource Persons	28	146	81

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.
- E-content creation for teaching by the Department of Educational Technology.
- 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.
- Live demonstration for the stereochemistry, group theory and bioinorganic classes by the Department of Chemistry.
- Use of audio-visual aids widely to elucidate the course contents by the Department of Geography..
- 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.
- 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 and civil society organizations.
- One paper has been exclusively devoted to Internship for the students of Department of Women's Studies for a month during summer, and is evaluated by weekly assessment, visiting to the field and contacting the external institutions regularly.

## **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.
- Students attended Summer Project/Programmes.
- E-resource and CDs were used.
- Producing documentary films by the Students of Department of Women's Studies.
- Field Training by the Department of Social Work.
- As part of learning, the students of Department of Sociology were taken to field based learning, where they applied their conceptual and theoretical knowledge to have holistic understanding of society and social issues.

2.7 Total number of actual teaching days during this academic year



185 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/Programmes	Curriculum Development Workshop
175	25	34

2.10 Average percentage of attendance of students

85%

2.11 Course/Programme wise distribution of pass percentage

Title of the Programme	Total number of students appeared	Division in %				
		Distinction	I	II	III	Pass
B.P.Ed. (Physical Education)	--	--	--	--	--	--
M.Sc. Animal Biotechnology	07	75	25	--	--	100
M.Sc. Biochemistry	19	--	100	--	--	100
M.Sc. Biotechnology	23	4.4	78.3	17.3	--	100
M.Sc. Chemistry	12	58.3	41.7	--	--	100
M.A. Economics	02	--	100	--	--	100
M.Ed. (Education Technology)	--	--	--	--	--	--
M.A. English	13	23	77	--	--	100
M.Sc. Env. Sci. & Tech.	17	06	47	47	--	100
M.Sc. Fashion Technology	--	--	--	--	--	--
M.Sc. Geology	--	--	--	--	--	--
M.A. Gender Studies	04	--	100	--	--	100
M.A. History	18	--	67	27	--	94
M.A. Human Resource Managt.	08	12.5	87.5	--	--	100
M.Sc. Industrial Biotechnology	05	--	100	--	--	100

M.L.I.S. (M. of Lib. & Inform. Sci.)	10	70	30	--	--	100
M.Sc. Marine Biotechnology	04	--	100	--	--	100
M.Sc. Marine Science	05	20	80	--	--	100
M.Sc. Mathematics	34	32	44	03	--	79
M.Sc. Medical Physics	08	--	100	--	--	100
M.Sc. Microbiology	20	100	--	--	--	100
M.Sc. Physics	20	40	60	--	--	100
M.Sc. Biodiversity and Bioprospecting	--	--	--	--	--	--
M.A. Sociology	04	--	100	--	--	100
M.S.W. (Social Work)	30	33.4	66.6	--	--	100
M.Sc. Statistics	08	25	75	--	--	100
M.A. Tamil	3	--	67	--	--	67
M.P.A. Folk Dance	13	15	77	--	--	92
M.P.A. Classical Dance	05	40	60	--	--	100
2 year M.Tech. Adv. Inform. Tech.	28	93	07	--	--	100
M.Tech. Geoinformatics	14	36	57	--	07	100
M.Tech. Geological Remote Sensing and Geoinformatics	--	--	--	--	--	--
M.C.A.	30	93	07	--	--	100
M.B.A. Hospital Management	08	50	50	--	--	100
M.B.A. Financial Management	27	--	93	07	--	100
M.B.A. Environ. Management	10	40	60	--	--	100
5 year I.M.Sc. Bioinformatics	--	--	--	--	--	--
5 year I.M.Sc. Biomedical Science	24	79	21	--	--	100
5 year I. M.Sc. Geography (no 5th year)	--	--	--	--	--	--
5 year I. M.Sc. Geology (no 5th year)	--	--	--	--	--	--
5 year I. M.A. History and Public Administration (no 5th year)	--	--	--	--	--	--
5 year I. M.Sc. Geosciences	--	--	--	--	--	--
5 year I. M.Sc. Life Sciences	15	13	80	--	--	93
5 year I. M.Sc. Media (no 5th year)	--	--	--	--	--	--
6 year I. M.Tech. Bioinformatics	14	14	71	--	--	85
6 year I. M.Tech. Biotechnology	26	04	77	19	--	100
6 year I. M.Tech. Computer Science	28	7	93	--	--	100
6 year I.M.Tech. Geotech & Geoinf.	15	40	60	--	--	100
M.Phil. Animal Biotechnology	05	80	20	--	--	100
M.Phil. Biochemistry	09	--	100	--	--	100
M.Phil. Bharathidasan Studies	04	100	--	--	--	100
M.Phil. Chemistry	02	100	--	--	--	100
M.Phil. Computer Science	27	96	04	--	--	100
M.Phil. Economics	02	--	100	--	--	100
M.Phil. Education Technology (FT)	06	33	67	--	--	100

M.Phil. Education Technology (PT)	--	--	--	--	--	--
M.Phil. English	20	20	70	--	--	90
M.Phil. Environ. Biotech.	--	--	--	--	--	--
M.Phil. Gender Studies	02	--	100	--	--	100
M.Phil. History	13	38	62	--	--	100
M.Phil. Industrial Biotechnology	--	--	--	--	--	--
M.Phil. Human Resource Managt.	03	100	--	--	--	100
M.Phil. Lib. & Inform. Sci. (FT)	07	57	43	--	--	100
M.Phil. Lib. & Inform. Sci. (PT)	--	--	--	--	--	--
M.Phil. Marine Biotechnology	--	--	--	--	--	--
M.Phil. Marine Science	--	--	--	--	--	--
M.Phil. Mathematics	10	60	20	20	--	100
M.Phil. Microbiology	--	--	--	--	--	--
M.Phil. Physical Education	09	55.5	44.5	--	--	100
M.Phil. Physics	09	22	67	11	--	100
M.Phil. Sociology	--	--	--	--	--	--
M.Phil. Social Work	06	66	34	--	--	100
M.Phil. Tamil	12	--	33	--	--	33
PG Diploma in E-Learning	22	09	91	--	--	100
PG Diploma in Env. Genomics	07	--	07	--	--	100
PG Diploma in Inclusive Training and Development	02	100	--	--	--	100
PG Diploma in Guidance and Counselling for Persons with Special Needs	05	60	40	--	--	100
PG Dipl. in Dig. Lib. & Know. Mgmt	--	--	--	--	--	--
PG Diploma in Yoga Education (PT)	34	--	94	--	--	94
PG Dip in Fitness Management (PT)	16	--	100	--	--	100
Diploma in Basics of adapted Yoga	19	58	16	21	05	100
Diploma in vocational training and management	5	100	--	--	--	100
Diploma in computer fundamental & office automation	10	60	20	10	--	90
Diploma in Special School Management	5	60	40	--	--	100
Diploma in Parenting children with Special Needs	6	83	17	--	--	100
Certificate course in Basic computer	18	83	17	--	--	100
Adv. Dip. Programmes (4) (IECD)	138	--	59.5	30.5	10	100

Diploma Programmes (5) (IECD)	101	--	59	30	11	100
Certificate Programmes (19) (IECD)	67535	--	--	--	--	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 feedbacks 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 Heads of the Departments for improving the quality of teaching, courses and Programmes.

#### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher Courses	12
UGC – Faculty Improvement Programme	01
HRD Programmes	--
Orientation Programmes	--
Faculty Exchange Programme	01
Staff training conducted by the university	02
Staff training conducted by other institutions	40
Summer/Winter Schools, Workshops, etc.	11
Others (Specify the type) Capacity Building Programme for Higher Education Teachers	--

#### 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	412	63	03	-----
Technical Staff	070	28	----	----

## **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.
- 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.
- 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.
- Arranging Library Training Programmes and Workshops on Information and knowledge Analytics, by the Department of Library and Information Science.
- A Workshop on Innovative Curriculum Designing and Evaluation was organized by Curriculum Development Cell.
- The Department of Geography has procured spatial and non-spatial data from several agencies and created a repository to conduct research by students/scholar/faculty members.

### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned
Number	40	53	13
Outlay in Rs.	1,76,70,531	4,55,86,364	1,47,11,200

In addition to the above, 9 Departments are supported under UGC-SAP and 9 Departments under DST-FIST. The total outlay of UGC-SAP = 725 Lakhs, DST-FIST = 988 Lakhs. Further, the University is supported under DST-PURSE (from 2011-12) with the grant of 5 crores.

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--	2	--
Outlay in Rs.	--	--	19,07,600	--

### 3.4 Details of research publications

	International	National	Others
Peer Review Journals	470	93	10
Non-Peer Review Journals	07	03	01
e-Journals	13	05	--

Conference Proceedings	46	46	
------------------------	----	----	--

### 3.5 Details on Impact factor of publications:

Range : 0.26—6.945  
 Average : ---  
 h-index : 72 (2015) , 72 (2016)  
 Nos. in SCOPUS : 447(2015)

### 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	2013-16(Animal)	DST	7,10,250	7,10,250
	2013-16(Animal)	ICAR	6,52,917	6,52,917
	2012-15(Biochem)	DST	0	0
	2012-15(Biochem)	UGC	0	0
	2012-15(Biochem)	NMPB	6,52,000	6,52,000
	2012-15(Biochem)	CSIR	7,16,711	7,16,711
	2012-15(Bioinfor)	UGC	2,14,141	2,14,141
	2013-16(Bioinfor)	DBT	3,80,895	3,80,895
	2013-16(Bioinfor)	DST	3,50,000	3,50,000
	2012-15(Biomed)	DST	0	0
	2012-15(Biomed)	UGC	0	0
	2013-15(Biomed)	DST	0	0
	2012-15(Biomed)	UGC	0	0
	2012-15(Biomed)	DBT	0	0
	2012-15(Biotech)	UGC	0	0
	2013-16(Biotech)	DST	5,00,000	5,00,000
	2013-15(Chemistry)	CSIR	4,34,412	4,34,412
	2015-16(Env Bio)	UNI-ISP	52,500	52,500
	2013-15(Env Bio)	DST	4,00,000	4,00,000
	2015-16(Env Bio)	OPCFHK	3,56,000	3,56,000
	2012-15(Env. Magt)	DST	0	0
	2015-16(Geogra)	UGC	0	0
	2013-15(Mari Sci.)	DST	0	0
	2012-15(Maths)	DST-WOS-A	5,00,000	5,00,000
	2012-15(Maths)	DST	3,51,000	3,51,000
	2012-15(Microbio)	UGC	2,53,600	2,53,600
	2012-15(Microbio)	DBT	0	0
	2012-15(Microbio)	DST	0	0
	2012-15(Microbio)	ICMR	0	0
	2013-15(Microbio)	DBT	0	0
	2011-16(Physics)	DAE- R.R.	10,26,329	10,26,329
	2013-16(Physics)	CEFIPRA	4,79,414	4,79,414
	2015-16(Phys.Edu.)	UGC	10,64,662	10,64,662

	2012-16(CRS)	NRSC Ph.IV	0	0
	2012-16(CRS)	BRNS/AMD-1	23,24,000	23,24,000
	2012-16(CRS)	BRNS/AMD-2	17,75,600	17,75,600
	2012-16(CRS)	BRNS/AMD-3	21,39,750	21,39,750
	2012-16(CRS)	BRNS/AMD-4	20,77,350	20,77,350
	2013-16(CRS)	DMSP Ph. II	2,59,000	2,59,000
	2013-16 (WS)	ICSSR	0	0
Major projects -- Ongoing	From 2012 (Animal)	UGC-DAE	2,36,600	2,36,600
	2013-16(Animal)	DST-WOS-A	6,50,000	6,50,000
	2013-17(Animal)	DST-EMEQ	0	0
	2015-18(Animal)	DBT	12,22,000	12,22,000
	2012-16(Biochem)	CSIR	0	0
	2014-17(Biochem)	DST (WOS-A)	2,20,000	2,20,000
	2015-18(Biochem)	DBT	13,52,000	13,52,000
	2014-17(Bioinfor)	DST	3,50,000	3,50,000
	2015-18(Biomed)	ICMR	0	0
	2015-18(Biomed)	ICMR	0	0
	2013-17(Biomed)	DST	0	0
	2014-17(Biotech)	DBT	12,28,200	12,28,200
	2016-19(Biotech)	DBT	0	0
	2013-16(Chemistry)	DST	5,00,000	5,00,000
	2013-17(Chemistry)	DST	5,00,000	5,00,000
	2013-17(Chemistry)	DST	5,00,000	5,00,000
	2014-17(Chemistry)	DST	24,54,824	24,54,824
	2014-18(Chemistry)	CSIR	4,06,673	4,06,673
	2015-17(Edu. Tech.)	ICSSR	0	0
	2015-16(Env. Bio.)	DST	4,50,000	4,50,000
	2015-18(Env. Bio.)	UGC	10,60,000	10,60,000
	2014-17(Env. Bio.)	DST	0	0
	2014-17(Env. Bio.)	DST	3,50,000	3,50,000
	2003-17(Mari Bio)	DBT	7,45,000	7,45,000
	2012-16(Mari Bio)	DST	0	0
	2013-17(Mari Bio)	DBT	0	0
	2013-17(Mari Bio)	DBT	0	0
	2013-17(Mari.Bio)	DBT	0	0
	2013-16(Mari.Sci)	DBT	8,28,400	8,28,400
	2013-15(Mari.Sci)	UGC	9,23,800	9,23,800
	2014-17(Mari.Sci)	GMBRT	3,00,000	3,00,000
	2014-17(Mari. Sci.)	MES	0	0
	2013-16(Microbio.)	DST	0	0
	2013-16(Microbio.)	DBT	36,28,457	36,28,457
	2013-18(Microbio)	DST	10,60,580	10,60,580
	2015-18(Microbio.)	DBT	1,22,62,000	1,22,62,000
	2003-17(NFMC)	DBT	7,45,000	7,45,000
	2014-16(Phys. Edu.)	UGC	10,64,662	10,64,662
	2015-17(Phys. Edu)	UGC	0	0
	2013-16(Physics)	DST-Indo-Fra	0	0
	2013-16(Physics)	DRDO	5,53,201	5,53,201
	2013-16(Physics)	DST	5,00,000	5,00,000
	2014-16(Physics)	DST Indo-Rus	0	0
	2013-16(Physics)	NBHM	66,717	66,717
	2013-17(Physics)	DST	7,50,000	7,50,000
	2013-16(Physics)	DST	1,00,000	1,00,000
	2013-17(Physics)	DST	6,00,000	6,00,000
	2014-16(Physics)	AvH-Germany	15,35,050	15,35,050



	2015-18(Physics)	DST	14,50,000	14,50,000
	2016-19(Physics)	DRDO	51,82,000	51,82,000
	2016-19(Physics)	DST	11,91,000	11,91,000
	2014-17(CRS)	DST	0	0
	2015-17(CRS)	NRSC Ph. IV	6,20,000	6,20,000
Major Projects – Sanctioned				
	2015-16(Biomed)	DST	5,05,000	5,05,000
	2016-19(Env.Bio.)	MOEF	0	0
	2016-18(Mari.Bio)	DBT	29,65,600	29,65,600
	2015-18(Mari.Sci.)	UGC	11,02,000	11,02,000
	2015-17(Mari. Sci.)	DST	6,00,000	6,00,000
	2015-18(Maths)	DST-WOS-A	6,29,000	6,29,000
	2015-19 (Med Phys)	DST	30,00,000	30,00,000
	2015-18(Microbio.)	UGC	10,00,000	10,00,000
	2015-16(Microbio.)	UGC	7,00,000	7,00,000
	2016-18(NFMC)	DBT	29,65,600	29,65,600
	2015-18(Physics)	DAE-NBHM	2,20,500	2,20,500
	2015-18(Physics)	CSIR	5,63,500	5,63,500
	2016-19(Physics)	NASI	4,60,000	4,60,000
Minor Projects Sanctioned	2015-17(Chemistry)	UGC	6,00,000	6,00,000
	2015-18(Chemistry)	UGC	13,07,600	7,34,600
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects (other than compulsory by the University)	--	--	--	--
UGC-SAP (Animal Sci.)	2013-18	UGC	4,87,975	4,87,975
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)	2015-20	UGC	11,00,000	11,00,000
UGC-SAP(Physics)	2013-18	UGC	0	0
UGC-SAP(CRS)	2012-17	UGC	0	0
UGC-SAP(Plant Sci.)	2011-16	UGC	0	0
UGC--CPEPA	2016-21	UGC	0	0
UGC-DDU KAUSHAL Centre	2015-17	UGC	2,10,00,000	2,10,00,000
DST-FIST(Animal Sci)	2016-20	DST	0	0
DST-FIST(Biochemistry)	2014-19	DST	0	0
DST-FIST(Biomedical)	2015-20	DST	55,00,000	55,00,000
DST-FIST(Chemistry)	2012-17	DST	0	0
DST-FIST(CRS)	2013-16	DST	0	0
DST-FIST (Maths)	2014-19	DST	0	0

DST-FIST(Microbiology)	2014-19	DST	0	0
DST-FIST(Plant Science)	2014-19	DST	0	0
DST-FIST(Physics)	2015-20	DST	0	0
DST-PURSE	From 2011	DST	2,83,86,023	2,83,86,023
MHRD-RUSA	2015-16	MHRD	2,05,00,000	2,05,00,000
DST-TPSC	2015-16	DST	1,00,000	1,00,000
TN Govt Grant for establishing Hi-Tech Lab (Remote)	2013-18	Government of Tamilnadu	1,00,000	1,00,000
Total in Rs.			<b>15,70,66,693</b>	<b>15,70,66,693</b>
Total in Lakhs			<b>1570.66</b>	<b>1570.66</b>

### 3.7 Number of books published

- i) With ISBN Number : 33      ii) Without ISBN Number :  
iii) Chapters in Edited Books : 47      iv) Edited Books :

### 3.8 Number of University Departments receiving funds from

UGC-SAP : 9      CAS : 0      DST-FIST : 9  
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. 33,16,497/-

The Publication Division has sold its publications (books) totalling to the amount of Rs. 13,17,768/-.

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

Level	International	National	State	University	College
Number	5	27	12	17	--
Sponsoring agencies	DST, ICSSR, BDU, UGC, Govt. TN	UGC, DST, DBT, ICHR, BDU, MoES, DST-PURSE, ICSSR, CPAEF <sup>1</sup> , MHEF <sup>2</sup> , BDE <sup>3</sup> , NFB <sup>4</sup>	BDU, UGC, NBHM	BDU, DST-PURSE, UGC, ISRO-IIRS, IRCS-TN Branch, HRDC	--

CPAEF<sup>1</sup> -- C.Pa. Adithanar Endowment Fund

MHEF<sup>2</sup> -- Marhum Haji Endowment Fund

BDE<sup>3</sup> -- Bharathidasan Endowment (Government of Tamilnadu)

NFB<sup>4</sup> -- National Federation for the Blind

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

81

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

International : 64      National : 62      Any other : 04

3.14 Number of linkages created during this year

29

3.15 Total budget for research for current year in lakhs

From Funding agency : 1570

From Management of University : 210

Total : 1780

3.16 Number of patents received this year

Type of Patent		Number
National	Applied	01
	Granted	--
International	Applied	01
	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
24	--	9	14	1	2	--

**Research Fellows**

Total	International	National	State	University	Dist	College
21	2	17	--	02	--	--

3.18 Number of faculty from the Institution who are Ph. D. Guides -- 162  
and students registered under them -- 164 (FT-113, PT-51)

3.19 Number of Ph.D. awarded by faculty from the Institution -- 88

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

JRF : 52      SRF : 59      Project Fellows : 11      URF : 59      Any other : 33

3.21 Number of students participated in NSS events:

University level : 273      State level : 31  
National level :      International level : --

3.22 Number of students participated in NCC events:

University level : 01      State level :  
National level :      International level : --

3.23 Number of awards won in NSS:

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

3.24 Number of awards won in NCC:

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

3.25 Number of extension activities organized

University forum : 34      College forum : 52  
NCC :      NSS :      Any other : 05

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 220 cases.

**Centre for Bharathidasan Studies**

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

**Placement Cell**

Sl No	Date	Training Programme / Course	Place	Participated
1.	21 & 22 Mar 2016	Soft Skills Development & Career Counselling Programme.	BDU Constituent Arts & Science College, Inamkulathur	210
2.	22 & 23 Mar 2016	Soft Skills Development & Career Counselling Programme .	BDU College, Lalgudi	197
3.	28 & 29 Mar 2016	Soft Skills Development & Career Counselling Programme,	BDU Model College, Thiruthuraipoondi	288
4.	12 & 13 Apr 2016	Soft Skills Development & Career Counselling Programme,	BDU Constituent Arts & Science College, Nannilam	174
5.	15 & 16 Apr 2016	Soft Skills Development & Career Counselling Programme,	BDU Model College, Aranthangi	241
6.	3 - 7 May 2016	Soft Skills Development & Career Counselling Programme	BDU Main Campus	58

NSS

- Celebrated Samathuva Pongal on 13-01-2016.
- Organized Republic Day Culture Programme
- Dental camp organized at ChinnaSuriur on 26- 03-2016.
- Traffic Awareness to the Volunteers on 28-03-2016
- Eye camp organized at ChinnaSuriur on 29- 03-2016.
- Organized Election Awareness Rally on 06-05-2016.

#### **Department of Animal Science**

- Conducted the Institutional Animal Ethics Committee meeting for approval of experimental animals for research purpose for Univ Depts. and affiliated colleges.

#### **Department of Chemistry**

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

#### **Department of Commerce and Financial Management**

- Management Games for the benefit of the rural students especially students of our University Constituent Colleges have been conducted.

#### **Department of Environmental Management**

- Air Quality Impact Testing and Analysis of sand quarries entrusted by Water Resources Divisions of Karur.
- A village adoption, health and safety program.
- University Industry Linkage- Industrial visit.
- River Restoration in Vaippar Basin – Preliminary investigation held for the benefit five village panchayats.

#### **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 State Level Talent Test for final year Under and Post Graduate students of Geography Departments in Tamil Nadu to identify Young Geographer-2016.
- Remote Sensing Day was celebrated under aegis of ISRS-Tiruchirappalli Regional Chapter on August 12, 2015.

#### **Department of Life-Long Learning**

- YRC Zone, Bharathidasan University Hosted 65<sup>th</sup> & 66 Geneva Annual Convention Day and Award Distribution function of Indian Red Cross Society (IRCS)TNBr, Chennai on 16.03.2016 to best YRC Volunteers, Programme Officers, Dist. YRC Organisers, Principals, best Colleges in implementing YRC activities and JRC

Volunteers, Coordinators, and DEOs, sponsored by Indian Red Cross Society (IRCS) TNBr., Chennai and Bharathidasan University.

- YRC Zone organised YRC Zonal Level seminar for YRC Programme Officers of Arts & Science Colleges of Bharathidasan University area in Collaboration with YRC Unit, Srimathi Indira Gandhi College, Tiruchirappalli on 24.3.2016, sponsored by Indian Red Cross Society (IRCS) TNBr., Chennai.

### **Department of Library and Information Science**

- Organized Two-Day Workshop on *Informatics and Knowledge Analytics* on 12-13 August 2015.
- Conducted an ICT Enabled Self Employment Training Programme for Women at Bharathidasan University – Constituent Arts & Science College, Inamkulathur, Tiruchirappalli on 28th October 2015.
- In association with INFLIBNET Centre, Gandhi Nagar has organized one day Awareness cum Training Programme on *Shodhganga ETD Database* on 6th November 2015.
- Organized an ICT Enabled Self Employment Training Programme for Women at Dharmapuram Adhinam Arts College, Dharmapuram, Mayiladuthurai on 28th November 2015.
- Organized an ICT Enabled Self Employment Training Programme for Women at Sri Venkateswara College of Arts & Science, Peravurani on 23rd December 2015.

### **Department of Women Studies**

- Gender Sensitisation Programmes & Gender fest competitions (11).
- Orientation and ToT programme for UGC Gender Champion Clubs and Gender Club programmes (3).
- Adolescent Health Programme for college students and School Students (9).
- Awareness programme on Menstrual Hygiene Management (2).
- Life Skills and Counselling (1).
- Consultative Workshop on Developing Smart city (1).
- Awareness programme on prevention on sexual harassment at work places (5).
- Entrepreneurship Development programmes (6).
- Observing International days (5).
- Collaborative programmes with Trichy Obstetrics and Gynaecological Society (TRIOGS) and Federation of Obstetrics and Gynaecological Societies (FOGSI) in India as Youth Mela and Adolescent Health Programme have helped to understand the issues of girls and women which resulted in initiating *Family and Adolescent Counselling Centre*.

### **School of Skill Development and Entrepreneurship**

- Institute for Entrepreneurship and Career Development (IECD) has organised 20 Motivation Campaigns to College Students on Promotion of Youth Entrepreneurship. 2254 students from 20 colleges have benefitted by these programmes.

## **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	107	2	University, UGC NON-SAP	
Laboratories	139	5	University	143
Seminar Halls	31			
Number of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	--	16	UGC BSR one-time grant, Govt. TN, Univ., UGC, DST-FIST, DST-PURSE, AvH-Germany	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	146,35,034	UGC BSR one-time grant, Govt. TN, Univ., UGC, DST-FIST, DST-PURSE, AvH-Germany	--
Others-- RAS Facility for Marine Copepods Culture	--	8,63,848	DBT	--

### 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	77,021	-----	2244	19,88,000	79,265	-----
In the Central Lib. Text/Ref. Books	77,167	-----	425	3,47,660	77,592	-----
e-Books	-----	-----	-----	-----	-----	-----
Journals	86	-----	-----	8,00,000	86	-----
e-Journals	8000+	-----	-----	UGC Infonet	8000+	-----
Digital Database	19	-----	-----	-----	19	-----
In the Depts/Centres CD & Video	399	-----	90	-----	489	-----
In the Central Lib. CD & Video	795	-----		-----	795	-----
Others (Braille Books)	44	-----		-----	44	-----
Others (Institutional Repository)	10,0000	-----	-----	-----	10,000	-----

#### 4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart -ments	Others
Existing	1187	23	Yes <sup>*</sup>	*	2	12	36	# <sub>27</sub>
Added	10	--	--	--	--	--	--	--
Total	1197	23	Yes <sup>*</sup>	*	2	12	36	27

\* 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.
- A one-month training programme was conducted to visually impaired students in basic computer operations.
- Training of trainers programme in assistive technology was conducted for differently abled students.

4.6 Amount spent on maintenance in lakhs:

i) ICT	26,15,850
ii) Campus Infrastructure and facilities	3,00,00,000
iii) Equipments	15,28,884
iv) Others	15,000
<b>Total :</b>	<b>3,41,59,734</b>

## 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 fellowships 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 a suitable job.
- Extra disciplinary courses on Personality Development and Youth Entrepreneurship were offered by the Department of Life-Long Learning.

## 5.2 Efforts made by the institution for tracking the progression

Progression and tracking of the students are monitored by the Departments. To ensure an efficient tracking progression of students the University follows a 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
100	1758	233	759	73	2923

(b) Number of students from outside the state --- 132

(c) Number of international students --- 10

(d) Total number of students

Gender	Number	Percentage (%)
--------	--------	----------------

Male	1346	46.05
Female	1577	53.95

Last Year				
General	SC/ST	OBC	Physically Challenged	Total
191	763	1716	9	2679

This Year				
General	SC/ST	OBC	Physically Challenged	Total
84	797	2042	59	2923

Demand Ratio : 1 : 1.15      Dropout : 1.06 %

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

- Departments of Biochemistry 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 Medical Physics conducted 4 days coaching classes for its PG students for RSO Examination of AERB.

#### 5.5 Number of students qualified in these examinations

NET : 14      SET/SLET : 07      GATE -- 04      CAT --  
IAS/IPS etc : ---      State PSC :      UPSC : ---      MPCT -- 4  
RSO: 01      Others : --

#### 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 non-major elective courses, preparation for planning for higher studies etc.
- Gender sensitization programmes were conducted by the Department of Women's Studies for students, staffs, rural women, SHG women, unemployed youth, school children, college staff, women in public life and adolescence youth.

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

#### 5.7 Details of campus placement

<i>On Campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
5	59	4	86

#### 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. 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 : 365      National level : --      International level : --

Number of students participated in cultural events

State/Univ level -- 07      National level --      International level --

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

###### **Sports and Games:**

State/Univ level -- 08      National level --      Inter. level --

**Other Events:**

State/Univ level -- 01      National level --      Inter. Level --

**5.10 Scholarships and Financial Support**

	Number of Students	Amount in Rupees
Financial support from institution University Research Fellowship	59	23,52,728
Financial support from government (funding agencies) Fellowships	155	4,54,66,009
Financial support from government Scholarships	1,401	1,23,00,933
Financial support from other sources	---	---
Number of students who received International/National recognitions	--	--

**5.11 Student organised / initiatives**

Fairs: State/Univ. level -- 01      National level -- 01      Intern. Level --  
Exhibition: State/Univ. level --      National level --      Intern. Level --

**5.12 Number of social initiatives undertaken by the students : 05****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 knowledge 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, 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” of Department of Biochemistry 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.
- Department of Education Technology has arranged Library Training Programmes and Workshops on *e Resources* with the help of Central Library and Department of Library Information Science.



### 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 for 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.
- 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 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 available and group mail alerts are performed by 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 in research laboratories.
- Intercom and internet facilities 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 to all the departments 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 laboratory.
- 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).
- Leptospiral Repository at the Microbiology Laboratory.
- Germplasm of microbial cultures with more than 1400 strains
- Maintenance of medicinal plants at the Medical Microbiology garden.
- Mushroom cultivation facility to train up the students and farmers.
- NFMCC has a separate web domain for culture repository and online open source bioinformatics tools exclusive for cyanobacterial research.

#### 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 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).
- The Department of Geography has established facilities for Outreach Programmes through Indian Institute of Remote Sensing (IIRS)–ISRO, Dehradun. Every year one basic course (3 months duration) and one advanced course (1 month duration) being conducted to enrich the knowledge of geoinformatics.
- Industrialists and officials from Industries are included as a member of Board of Studies of each subject and in IQAC.

#### 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 agency 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. Awareness programme on M.A Gender Studies conducted in various colleges in Pudukkotai, Tiruchirappalli, Thanjavur and Thiruvavarur Districts.

#### 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. Fee concession for the children of staff.
8. Fee concession for staff doing programmes in the university distance education mode.
9. Loan from provident fund.
10. 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. 240.16 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	Yes	Appointed Committee	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. The fourth Academic and Administrative Audit was conducted during 2-4 September 2015. University constituted a committee with Prof.S.P. Thiagarajan as the Chairman and with the members Prof.P.Kaliraj, Prof.K. Pitchumani, Prof.A. Balasubramanian, Prof.S. Rajendran and Prof.M.A. Sudhir. The committee visited all the departments, research centres and

administrative offices and analysed the various academic and administrative activities of the university for the period 2012-15. Its recommendations were proved to the departments and the offices for implementations.

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 of 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

Nil

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.

- Inclusion of practicum/ practical components in every course of M.Ed. Programme.
- The Department of Geography has created a google group ([geobdu@googlegropus.com](mailto:geobdu@googlegropus.com)) to share the information immediately among faculty members, research scholars, students and alumni. Most of the members are active in the group and shared important information including employment opportunities. Similarly, user groups also created in social media (geobdu in Facebook and Whatsup) to disseminate the information. Out of it, a few alumni / students are getting employed.

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

- Conduction of 61 conferences/workshops/seminars.
- The following new Programmes have been introduced in the present academic year:
  1. B.Voc. (Trouble Shooting and Maintenance of Electrical and Electronics Equipments) (by IECD).
  2. B.Voc. (Automobile Technologies) (by IECD).
  3. B.Voc. (Logistics and Supply Chain Management) (by IECD).
  4. Diploma in Cinematography and Visual Media.
  5. Certificate in Android App. Development.
  6. Certificate in IOS App. Development.
  7. 5 year I. M.A. History and Public Administration (double major)
- The University Informatics Centre introduced Online Application Facility in May 2016 for student admission to the regular programmes.
- Thirty days training programme for vision impaired was conducted in collaboration with National institutes was organized.

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**

Weekly Academic and Research Colloquium

#### **2. Objectives of the Practice**

The prime objectives of the practice *Weekly Academic and Research Colloquium* are:

- Acquaintance with latest developments on the discipline(s) concerned.
- Learning new information from experts.
- Brainstorming our ideas and receiving immediate feedbacks.
- Facilitating students to identify appropriate topics for their interest.
- Getting one-to-one guidance from others.

#### **3. The Context**

Seminar or colloquium is one of the major components of present day academic and research activities. Seminars are essential in order to have an intensive exposure to the unfamiliar topics or to the topics on which we know very little and wish to get a better knowledge on them. In fact, a colloquium is an ideal platform for youngsters wishing to learn a topic in depth, acquaintance with the latest developments on a topic and also to get an exposure to the details of technical and technological skills from experts.

Presenting a seminar is a multipurpose gain, particularly, for students and young researchers. Seminars are not only useful to the listeners but also an effective platform for a speaker to express his new ideas, approaches and understanding of a process or a phenomenon and get positive and negative feedbacks. They are a way of self-assessing the speaker's depth on the subject or the topic concerned. By seminar we are not referring to the one conducted on a specific topic over one full day to a few days duration. Instead, we refer to presentation by the students, research scholars, faculty and outside experts delivering a certain details of some specific information at a priori fixed time on a specific day in each week except during vacation period in academic and research institutions. We refer such presentation meeting under the name *Weekly Academic and Research Colloquium*.

To realize the various outcomes of colloquium/seminar all departments and specialized research centres should make sure of executing it with high quality and keeping in mind the expectations of participants. The faculty and students should aware of various latest tools available for presentation and methods of improving the mode and quality of the presentation. Keeping these in mind, the Bharathidasan University is adopting several strategies and following certain practices in order to achieve the goals of *Weekly Academic and Research Colloquium* among the faculty and students.

#### **4. The Practice**

The Bharathidasan University follows a certain practices so that the practice *Weekly Academic and Research Colloquium* leads to the realization of benefits of it to the students, research scholars and faculty. Various departments of the university prepare the Programme Schedule of *Weekly Academic and Research Colloquium* for an academic year usually in July and is placed on the notice board of the department. The time duration of a seminar is 45-60 minutes. Each seminar in a Department is conducted on a fixed day of each week through out the academic period except during May and June. Abstract of a seminar is displayed on a notice board a few days before the schedule and is circulated to the faculty. The participants are students of PG and M.Phil. programmes, research scholars and faculty. Usually speakers are M.Phil. students, research scholars and faculty. However, final year PG students are encouraged to present a seminar on their project work. Further, experts visiting the departments, faculty from colleges and nearby institutions are also requested to present their research works. Moreover, research scholars should present a *synopsis seminar* before submitting synopsis of their Ph.D. thesis.

#### **5. Evidence of Success**

The confidence that the research scholars gained through the practice of *Weekly Academic and Research Colloquium* as listeners and speakers motivated them to present oral and poster presentations in National and International conferences. This



practice has helped the students to acquire a broad exposure to various current topics and choose a topic of research by themselves. It has greatly improved the quality of expressing their research works and outcomes to the experts participating in conferences and visitors of the departments leading to getting a short term visit and post-doctoral fellowships in certain institutions from outside India. 31 awards have been received by the research scholars during the present academic year. The practice has greatly improved the communication skills of students and research scholars. Further, it is a mode of knowing various research activities taking part in a department for students, research scholars and faculty. It helped young research scholars and faculty working in same research topic to aware of the various problems faced by others in their research work preparation and analysis and the ways of solving them and overcoming them.

## **6. Problems Encountered and Resources Required**

Usually, power point presentation is made by the speakers. Use of latest ICT technologies like the use of *Interactive Board* has to be practiced in the seminars. A few staff to be appointed who can make them well versed with the latest ICT technologies and softwares and periodically conduct demonstrations of utilization of them to the students, research scholars and faculty. They can be utilized for preparing illustrations and online simulations and serve as consultants for preparing different kinds of presentations. That is, essentially all the facilities required, in order to avoid the use of any material downloaded from websites, need to be created in the university. Each department needs a latest public addressing system with necessary accessories, sophisticated seminar hall, a power point presenter, a laptop, interactive slate etc. It is important to conduct special lectures to be delivered by invited experts every week on topics common to different disciplines. Online telecast and depositing of recorded seminars have to be practiced. These would be of immense useful for PG students and research scholars. In order to make the practice *Weekly Academic and Research Colloquium* more active and evolve its mode and enhance its quality of presentation awards may be given to a few top ranked presenters in each department. A strong financial support needs to be provided by central and state governments to meet the above mentioned requirements.

## **BEST PRACTICE - II**

### **1. Title of the Practice**

Online Scholarly Information Resources Repository

### **2. Objectives of the Practice**

Knowledge management essentially deals with the management of knowledge, for example, in the activities of an institution or an industry is concerned. It is concerned with the idea of capturing knowledge gained by individuals and spreading it to others in an organization. Knowledge management assists dynamic learning, improving problem solving skills and collaborative learning and research and so on. A part of knowledge management practice in educational and research institutions, knowledge repository can also be called as *scholarly information resources repository*. In this context, Bharathidasan University has established a Centre for Knowledge Repository with an aim of providing comprehensive access to scholarly digital contents to its students, research scholars and faculty members. In the past few years university is strengthening the content of the knowledge repository and is being utilized by different kind of its users.

The prime objectives of the *Online Scholarly Information Resources Repository* practice are the following:

- Provision of enhanced and updated knowledge content in teaching learning.
- Facilitating and managing novel and organizational learning and teaching.
- Disseminating right information to right person at right time.
- Identifying, organizing, collecting, processing, preserving and presenting information in a timely, relevant, accurate and simple manner.
- Enhancing digital learning of the stakeholders through e-resources access.

### **3. The Context**

The developments in the ICTs bring new dimensions in the creation, organization, acquisition, processing and dissemination of information in a virtual way. The main concern of the *Online Scholarly Information Resources Repository* is building digital resources by retro-conversion of traditional resources and acquiring new kinds of resources in digital form. This in principle aims to provide opportunities to the learners and researcher to make use of the variety of knowledge contained in different kinds of materials and enhance their knowledge. Particularly, a knowledge repository of an institution collects, preserves and aims to provide possibly unrestricted online free access of relevant resources useful to the members of it. Availability of such an *Online Scholarly Information Resources Repository* related to learning, teaching and research is now of a great use to students and researchers belonging to rural areas. This is expected to provide a better framework for nurturing the calibre and attitudes of students and researchers towards learning, the competence and commitment of faculty towards educational processes and educational outcomes. Consequently, students, research scholars, faculty, Library and Informatics Centre of the Bharathidasan University should jointly work together to raise the quality, relevance, utility, quantum of authenticated content and strengthen the features of *Online Scholarly Information Resources Repository* of the University.

### **4. The Practice**

Bharathidasan University follows a certain practices towards the development and utilization of *Online Scholarly Information Resources Repository* and to provide relevant information needed by its members. The following facilities are provided by the university.

- The University's Digital Knowledge Repository aims to provide comprehensive access to scholarly digital contents like e-journals, e-books, theses, dissertations, video and audio resources. More than 13,000 such collections are made available and can be accessible through the website of the university.
- Details of online courses, particularly, MOOCS (Massive Open Online Courses) offered by NASA, University of Florida, University of Texas at Austin, MIT, University of Berkeley, University of Oxford, NPTEL, PG E-PATSHALA, NISCAIR etc. are made available through university and library website .
- Digital manuscript gallery of many rare and important tamil books, olai swadi (palm leaf documents), vaipadu, ancient tamil literature are collected and made available.
- Various forms (power point presentation, pdf files, hand written materials) of academic and research talks of faculty are made available.
- Previous year question papers, syllabus, dissertations, project reports. newspaper clippings on the university are also archived and access given through relevant metadata

In addition to the above certain departments post information such as examination schedule, syllabus, recent years question papers, job opportunities, latest popular academic and research news in their web portal of the university.

## **5. Evidence of Success**

A prime success of this practice is the access of the knowledge repository from any where within the campus of the university at any time by the users of the university. Students are able to utilize this facility whenever they wish to make use of it. In addition to the learning from teachers in the class room students are listening the online video lectures of experts from top institutions. Students download the relevant parts of e-books, research papers available in the repository to their laptops and mobile phones and refer them to get a better understanding of various topics and clarify their doubts. It has enhanced the overall knowledge literacy among students and young researchers.

## **6. Problems Encountered and Resources Required**

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

The number of e-books available in different subjects need to be increased every year. Further, the books in the university and departments libraries those are frequently used by the students have to be digitalized and placed in the knowledge repository. A *search* facility to assist the users to find the availability of the contents looking for in the repository has to be created. Electronic information sources cannot be used effectively without necessary training. Proper instructions need to be given to the users on how they should be used.

For each facility available related to the practice concerned it is important to record the number of users, their comments and suggestions. Based on these the facilities have to

be updated and improved. Survey on the users' opinions and on the quality of available documents can be performed regularly in order to know the needs of the users and discover the strength and weakness of the existing services. A monthly or quarterly newsletter and special lectures reporting on the various features and the latest updates need to be brought out. Continuous updating and copy right and access right issues need to be familiarised among the stakeholders.

A part of the *Online Scholarly Information Resources Repository* should contain different kinds of resources created/developed by the members of the university. Open access to this would increase their visibility, citation and collaboration with the faculty of other institutions.

Most importantly, a section/unit/cell with sufficient number of staff with different kinds of qualification to manage and monitor the *Online Scholarly Information Resources* necessarily to be created.

In order to realize the goals of the present practice and fulfil the expectation of the members of the university sufficient number of manpower fully dedicated to this and necessary financial support are required. A separate budget has to be allotted by the university for the above purpose.

#### 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.
- Toner cartridges are refilled one or two times instead of use of new one.
- Awareness programme for Cattle culture and preventive disease management for cattle farmers at Sadayampatti –Post, Vaiyampatti Panchayath, Tiruchirappalli District has been conducted by the Department of Animal Science on 19-12-2015. 80 farmers benefited.
- 
- A state level workshop on Photochemistry for Health and Environment was organized by the Departments of Environmental Biotechnology and Plant Science during 8-11 February 2016. One day seminar on Environment and Health was held by the Department of Environmental Biotechnology on 30-10-2015 at Eragudi, Tiruchirappalli District.

#### 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.
- Wi-Fi facility in the entire campus including hostels.

### **Weakness**

- Less number of students from other states and from other countries.
- Limited number of consultancy and revenue from it.
- 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**

MHRD has sanctioned Rs.2.5 crores as first instalment towards infrastructural development.

### **MoUs Signed with Industries/Institutions**

IECD has signed MoUs with the following Industries/ Institutions during the academic year 2015-2016 for organising various job-oriented skill development programmes for the benefit of students & non-students youths:

1. Social Development and Research Foundation, Virugambakkam, Chennai.

2. Sri Sarada Mahavidyalam Arts & Science College for Women, Sri Sarada Ashram Campus, New Edaikkal, Ulundutpet.
3. Star Manithaneya Sangamam Trust (NGO), Banathurai Thirumanjana Veethi, Kumbakonam.
4. Blync Solutions, Beema Nagar, Tiruchirappalli.
5. Spero Educon Pvt. Ltd, Trichy Road, Ondiputhur, Coimbatore.

An MoU was signed on 09.07.2015 by BDC with Aarthi Scans Private Limited, Tirunelveli, for offering the Certificate Courses in Ultrasonogram from the academic year 2015-16 onwards.

Tn MoU was signed on 15.12.2015 by BDC with Amirta International Institute of Hotel Management and Catering Technology, Tiruchirappalli, for offering the following two Diploma Courses from the academic year 2016-17.

1. Diploma in Food Production
2. Diploma in Food and Beverage Service

An MoU was signed on 09.05.2016 with Krishna Academy of Human Behavioural Science (KAHBS) Coimbatore, for offering the following Courses from the academic year 2016-17.

1. Certificate Course in Guidance and Counselling
2. Postgraduate Diploma in Counselling Psychology

An MoU was signed by the Department of Marine Science with the National Institute of Oceanography, Goa on 6-05-2016 for collaborative research, visits of faculty and students, conduct of special short-term programmes and ship cruise participation.

### **Awards/Honours/Recognitions won by the faculty**

- Prof.G. Archunan – D.Sc. (Zoology) by Bharathiar Univ. on 18-02-2016.
- Dr.K.Premkumar – Raman Fellowship for PDR in USA by UGC on 10-02-2016.
- Prof.M. Selvam – Publication Excellence Award—2016 by the International Institute of Organized Research on 01-05-2016.
- Dr.A. Govindarajan – Best Faculty Award by Indian Academic Researchers Association, Tiruchirappalli on 21-05-2016.
- Dr.A. Govindarajan – Best Teacher Award by Tamilnadu Education and Research Development Institute, Chennai.
- Mr.O. Kasinathan – Best Faculty Award by Indian Academic Researchers Association, Tiruchirappalli on 21-05-2016.
- Mr.O. Kasinathan -- Educational Service Excellence Award -2015, By Lions Club of Tiruchirappalli.
- Mr.K. Balasubramani – Prof.N.P. Aiyar Young Geographer Award by National Association of Geographers, India on 04-12-2015.
- Prof.K. Kumaraswamy – UGIT Excellency Award-2016 by Union Geographic Information Technologists, India on 16-02-2016.
- Prof.T. Thirunalasundari – Ariyal Kalanjium Award by MTS Academy, Chennai in November 2015.
- Dr.K. Anbarasu – Raman Fellowship for PDR in USA by UGC on 10-02-2016.

- Dr.D. Dhanasekaran – Raman Fellowship for PDR in USA by UGC on 10-02-2016.
- Mrs.M. Lalli – Best Young Teacher Award by Grabs Educational Trust.
- Dr.A Lakshmi Prabha – Best Government University in Blood Donation for the year 2014-15 by Tamilnadu AIDS Control Safety and Tamilnadu State Blood Transfusion Council on 07-10-2015
- Dr.A. Lakshmi Prabha – Best Scientist Award by Indian Academic Researchers Association, Tiruchirapalli on 26-05-2016.
- Prof.M. Lakshmanan – NASI Senior Scientist Platinum Jubilee Fellowship by The National Academy of Sciences, in January 2016.
- Dr.D. Laura Dameris Chellajothi – Best Library User Award by Bharathidasan University.
- Prof.B. Mathivanan – Ariviyal Tamil Aringnar Manavai Mushtafa Award-2016 by Ariviyal Tamil Aringnar Manavai Mushtafa Endowment in June 2016.
- Prof.N. Manimekalai – Sathanaialar Award by Tamilnadu Press Employees Union, Tiruchirapalli on 25-10-2015.
- Dr.G. Mathan -- Yellapragada Subbarow Memorial award.
- Prof.N. Murugeswari – Best Educationalist Award – 2015 by Human Care and Humarn Rights Protection, New Delhi.
- Prof.N. Murugeswari – Women Education and Services award by the Lions Club of Tiruchirapalli.
- Prof.S. Muthusamy – Fellow of the Academy of Sciences, Chennai.
- Prof.R. Ramesh – Fellow of the Academy of Sciences, Chennai.
- Dr.P. Santhanam -- Best Researcher Award -2015 by KTSTM Trust for Education and Environment, Muthukulathur.
- Dr.P. Santhanam -- Prof. M. Aruchami Award by Kongunadu Arts & Science College & Dr. M. Aruchami Research Foundation, Coimbatore, for extraordinary contribution in Indian Live Feed Aquaculture especially on copepods.

## Criterion – VIII

### 8. Plans of institution for next year

- Establishment of a new School in the name of *Bharathidasan School of Management (BSM)*.
- Starting of the new programmes – M.B.A. (by BSM).
- To conduct awareness programme regarding the utilization of Plant based materials for drinking water treatment among the rural public.
- To conduct awareness programme regarding the vermicomposting of lignocellulosic.

Name : Dr. S. Rajasekar

  
10/06/2017

Signature of the Director, IQAC

**Dr.S.RAJASEKAR**

Director i/c

Internal Quality Assurance Cell (IQAC)

Bharathidasan university

Tiruchirappalli-620 024.

Name: Dr. V.M. Muthukumar



Signature of the Chairperson, IQAC

**Dr V.M. MUTHUKUMAR**

VICE-CHANCELLOR

BHARATHIDASAN UNIVERSITY

TIRUCHIRAPPALLI-620 024