

# **ANNUAL QUALITY ASSURANCE REPORT (AQAR) FOR THE ACADEMIC YEAR 2016-17**

**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, 21 Schools, 37 Departments, 25 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 126 colleges affiliated to the University including 19 Government colleges, 19 Government aided colleges, 78 self-financing colleges and 10 constituent/model colleges. Among them 8 government colleges, 11 government aided colleges and 3 self-financing colleges have autonomous status.

## **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 onwards 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.

## **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

2016-17

### 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.
- iv) AQAR 2015-16 submitted to NAAC on 14-06-2017.

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

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="8"/>
2.2 Number of Administrative/Technical Staff	<input type="text" value="5"/>
2.3 Number of Students	<input type="text" value="1"/>
2.4 Number of Management Representatives	<input type="text" value="1"/>
2.5 Number of Alumni	<input type="text" value="1"/>
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="--"/>
2.9 Total Number of Members	<input type="text" value="18"/>
2.10 Number of IQAC meetings held	<input type="text" value="3"/>

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. IQAC has served as the nodal office for collecting the data and submitting them for NIRF (National Institutional Ranking Framework). Prepared a list of Peer Reviewed Journals and submitted it to UGC.

#### 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 18 members including 2 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.
Collect data for NIRF Ranking – 2017.	Submitted data for NIRF Ranking – 2017.
Preparation of list of peer reviewed journals.	The list of peer reviewed journals submitted to UGC.

\* 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 2016-17 will be placed in the forth coming syndicate meeting for approval.

## 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	1	--	--
PG	48	--	03	--
UG	04	1	--	--
PG Diploma	07	--	--	--
Diploma	05	--	--	--
M.Phil.	25	--	01	--
Others	--	--	--	--
Total	129	2	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	77
Trimester	--
Annual	9

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

Alumni ☒      Parents ☒      Employers ☒      Students ☒

Mode of feedback : Online ☒      Manual ☒      Co-operating schools (for PEI) ☐

### **From Students**

- The students of Computer Science wanted a few current trend courses and increase Laboratory hours.
- Biochemistry: The biochallengers club of our department has its own positives and negatives. Time it has got many negatives too, like the time duration is too long, schedules will be too hectic,
- Biomedical Science: Requested to prepare study materials by the course teachers for circulation to the students.
- Department of Geography : Appointment of some more permanent faculty.
- Students of First MBA (Environment Management) looked forward to summer internship and safety training programmes.
- The students of BSM feel comfortable inside the campus

### **From Alumni**

- Computer Science: Need to include a case study related course.
- Commerce and Financial Studies : Training for Communications skills should be given regularly. More courses on accounting process can be included in the curriculum. Campus Placement should be arranged. Enhance the facility to do research.
- Biochemistry: Seminars and Assignments helped us to know the depth of subjects and strengthened our basics. Practical classes were good and we were allowed to do Cell culture and SDS PAGE individually which helped us during our projects. Over all the syllabus is informative and useful for all the students.
- Department of Geography : A suggestion was to arrange for campus interview for GIS related jobs.

### **From Parents**

- The parents of Computer Science suggested to provide training on communication skills to the students.
- Commerce and Financial Studies : Suggested to include library reading and book review as compulsory for all students, arrange industrial visits to financial institutions. To consider imbibe problem solving skills in finance through more recognised case studies. Coaching has to be given for fluency in speaking and writing in English.
- Department of Industrial Biotechnology: Maintenance of laboratory need to be upgraded.
- Biochemistry: The club activity held once a week favours the students to trigger their thirst for knowledge out of syllabus.
- Biomedical Science: Suggested to conduct more number of parents-teachers meetings.

### **From Employers**

- Department of Biomedical Science : Suggested to include more biomedical informatics than bioinformatics in the I.M.Sc. Programme.
- Department of Computer Science needs to have an industry oriented course.
- Department of Environment Management : M/S India Cements have expressed the need for a new programme on Environment, Health and Safety management.

- Department of Industrial Biotechnology : Number of teaching and nonteaching staff have to be increased.
- Requested the Department of Geography to share students/alumni details for employment opportunities in the IT sector.
- Bharathidasan School of Management : Classes are handled effectively using ICT. Gained rich experience from expertise faculty.

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

- Department of Animal Science: A BoS meeting was held on 13-06-2017. The newly-framed syllabus for the M.Sc. Zoology programme was designed to include the classical zoology subjects as well as subjects that encompass the most recent trends in zoology.
- A BoS of Chemistry was held on 29-06-2017. Regulation and syllabi of each course for M.Sc. Chemistry, M.Phil Chemistry programmes of School of Chemistry for the duration 2017-2020 and non-major elective paper offered to other department students and chemistry papers offered to integrated master programmes students from other departments were reviewed, discussed and approved.
- Department English: BoS meetings was held on 04/07/2016. Revised M.A. and Part-II English for Integrated Programmes.
- Department of Environmental Biotechnology : A BoS meeting was held on 19/4/2017. Some of the core papers were changed and the contents of certain other papers were revised as per suggestion of the experts/committee members.
- Department of Industrial Biotechnology : A BoS meeting for M.Tech. Programme was held on 28/11/2016. Syllabi updated.
- Department of Marine Biotechnology: A BoS meeting was held on 9/12/2016. New courses are introduced and elective courses are changed.

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

- Bharathidasan School of Management has been started from the academic year 2016-17. It is offering two year M.B.A Programme. Admission to this programme is through the single window system of Anna University.
- The Centre for Climate Change Research (CCCR) has been created on 7/3/2017.
- The Centre for Organo Metallic Chemistry has been created on 12-08-2016.

## Criterion – II

### 2. Teaching, Learning and Evaluation

#### 2.1 Total number of permanent faculty

Total	Assistant Professors	Associate Professors	Professors	Others
164	102	13	49	--

#### 2.2 Number of permanent faculty with Ph.D. -- 164

#### 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
--	42	--	12	--	10	--	--	--	64

#### 2.4 Number of Guest and Visiting Faculty and Temporary Faculty

Guest	Visiting	Temporary
98	9	Adjunct Faculty -- 4 DST Inspire -- 1 Professor of Eminence -- 1 UGC FRP Assistant Professor – 3 UGC Faculty -- 1 UGC Emeritus Professor – 4 UGC Emeritus Fellow = 2 UGC BSR Faculty Fellow = 1 UGC XIIth Plan Assistant Professor -- 2 CSIR Emeritus Scientist = 1 Medical Physicists – 2 Young Scientists – 2 SERB Fellow – 1 Post Doc – 9 DST Geospatial Chair Professor -- 1

#### 2.5 Faculty participation in conferences and symposia

Number	International level	National level	State level
Attended only	82	118	14
Presented papers	95	140	14
Resource Persons	44	128	36

## 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 for 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.
- Centre for Differently Abled Person: Technology enabled methodology with hands on training and teaching through sign language for students with speech and Hearing impairment, screen reading softwares and braille for students with vision impairment, adapted devices for students with loco motor disability and learning disability
- Use of audio-visual aid to elucidate the course contents by the Dept of Geography.
- 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

180 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/Programmes
164	28	32

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)	--	--	--	--	--	--
B.C.A. (Centre for Differently Abled Persons)	--	--	--	--	--	--
M.Sc. Animal Biotechnology	12	75	25	--	--	100
M.Sc. Biochemistry	25	--	100	--	--	100
M.Sc. Biotechnology	24	66.67	33.33	--	--	100
M.Sc. Botany	04	100	--	--	--	100
M.Sc. Chemistry	37	27	67.6	--	--	94.6
M.A. Development Studies	08	25	75	--	--	100
M.A. Economics	03	33.3	66.7	--	--	100
M.Ed. (Education Technology)	22	31.8	68.2	--	--	100
M.A. English	38	--	97	3	--	100
M.Sc. Env. Sci. & Tech.	06	33.3	66.7	--	--	100
M.Sc. Fashion Technology	--	--	--	--	--	--



M.Sc. Geology	--	--	--	--	--	--
M.A. Gender Studies	03	--	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	40	60	--	--	100
M.L.I.S. (M. of Lib. & Inform. Sci.)	14	50	50	--	--	100
M.Sc. Marine Biotechnology	08	25	75	--	--	100
M.Sc. Marine Science	04	50	50	--	--	100
M.Sc. Mathematics	36	42	36	14	--	92
M.Sc. Medical Physics	--	--	--	--	--	--
M.Sc. Microbiology	32	100	--	--	--	100
M.Sc. Physics	36	16.7	72	8.3	--	97
M.Sc. Biodiversity and Bioprospecting	--	--	--	--	--	--
M.A. Sociology	07	--	100	--	--	100
M.S.W. (Social Work)	28	71.4	28.6	--	--	100
M.Sc. Statistics	17	58.8	41.2	--	--	100
M.A. Tamil	19	68.4	31.6	--	--	100
M.P.A. Folk Dance	--	--	--	--	--	--
M.P.A. Classical Dance	--	--	--	--	--	--
2 year M.Tech. Adv. Inform. Tech.	13	46	54	--	--	100
M.Tech. Geoinformatics	26	30.8	61.5	7.7	--	100
M.Tech. Geological Remote Sensing and Geoinformatics	04	25	50	25	--	100
M.C.A.	60	23.3	76.7	--	--	100
M.B.A. Financial Management	38	7.9	76.6	10.5	--	95
M.B.A. Environ. Management	15	13.3	60.4	13.3	--	87
M.B.A. Management	--	--	--	--	--	---
5 year I.M.Sc. Biomedical Science	26	42.4	53.8	3.8	--	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	18	5.5	77.8	5.5	--	88.8
6 year I. M.Tech. Biotechnology	17	70.5	29.5	--	--	100
6 year I. M.Tech. Computer Science	--	--	--	--	--	--
6 year I.M.Tech. Geotech & Geoinf.	19	15.8	57.9	26.3	--	100
M.Phil. Animal Biotechnology	03	66.7	33.3	--	--	100
M.Phil. Biochemistry	09	--	100	--	--	100
M.Phil. Biotechnology	--	--	--	--	--	--

M.Phil. Bharathidasan Studies	04	100	--	--	--	100
M.Phil. Chemistry	02	50	50	--	--	100
M.Phil. Commerce & Financial Studies.	--	--	--	--	--	--
M.Phil. Computer Science	--	--	--	--	--	100
M.Phil. Economics	02	50	50	--	--	100
M.Phil. Education Technology (FT)	--	--	--	--	--	--
M.Phil. Education Technology (PT)	--	--	--	--	--	--
M.Phil. English	18	22	78	--	--	100
M.Phil. Environ. Biotech.	--	--	--	--	--	--
M.Phil. Gender Studies	--	--	--	--	--	--
M.Phil. History	--	--	--	--	--	--
M.Phil. Industrial Biotechnology	--	--	--	--	--	--
M.Phil. Human Resource Managt.	03	100	--	--	--	100
M.Phil. Lib. & Inform. Sci. (FT)	--	--	--	--	--	--
M.Phil. Lib. & Inform. Sci. (PT)	--	--	--	--	--	--
M.Phil. Marine Biotechnology	--	--	--	--	--	--
M.Phil. Marine Science	--	--	--	--	--	--
M.Phil. Mathematics	10	50	30	20	--	100
M.Phil. Microbiology	--	--	--	--	--	--
M.Phil. Physical Education	--	--	--	--	--	--
M.Phil. Physics	07	--	87.5	12.5	--	100
M.Phil. Sociology (FT)	1	--	100	--	--	100
M.Phil. Sociology (PT)	5	--	100	--	--	100
M.Phil. Social Work	04	100	--	--	--	100
M.Phil. Statistics	--	--	--	--	--	--
M.Phil. Tamil	12	--	33	--	--	33
PG Diploma in E-Learning	--	--	--	--	--	---
PG Diploma in Env. Genomics	--	--	--	--	--	--
PG Diploma in Inclusive Training and Development	06	50	50	--	--	100
PG Diploma in Guidance and Counselling for Persons with Special Needs	08	38	62	--	--	100
PG Dipl. in Dig. Lib. & Know. Mgmt	--	--	--	--	--	--
PG Diploma in Yoga Education (PT)	--	--	--	--	--	--
PG Dip in Fitness Management (PT)	--	--	--	--	--	--
Diploma in Basics of adapted Yoga	--	--	--	--	--	--
Diploma in vocational training and management	5	80	20	--	--	100
Diploma in computer fundamental & office automation	11	27.3	63.6	9.1	--	100

Diploma in Special School Management	--	--	--	--	--	--
Diploma in Parenting children with Special Needs	--	--	--	--	--	--
Certificate course in office automation assistive technology	6	50	33	17	--	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	4
UGC – Faculty Improvement Programme	3
HRD Programmes	1
Orientation Programmes	1
Faculty Exchange Programme	--
Staff training conducted by the university	3
Staff training conducted by other institutions	7
Summer/Winter Schools, Workshops, etc.	18
Others (Specify the type)	--

#### 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	403	65	08	60
Technical Staff	67	23	07	03

## 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.
- The Department of Economics organizes Economics Forum every week.
- Arranging Library Training Programmes and Workshops on Information and knowledge Analytics, by the Department of Library and Information Science.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	28	35	22	24
Outlay in Rs.	65,68,902	2,15,77,883	1,95,34,876	17,57,62,320

In addition to the above, 9 Departments are supported under UGC-SAP and 10 Departments under DST-FIST. Further, the University is supported under DST-PURSE Phase – II (from 2017-21) with the grant of 17.35 crores.

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	--	--	1
Outlay in Rs.	6,00,000	--	--	5,00,000

### 3.4 Details of research publications

	International	National	Others
Peer Review Journals	423	69	21
Non-Peer Review Journals	05	9	--
e-Journals	18	2	--
Conference Proceedings	46	61	01

### 3.5 Details on Impact factor of publications:

Range : 0.17—5.3  
 Average : ---  
 h-index : 72 (2016) , 72 (2017)

### 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	
			Sanctioned	Received
Major projects Completed during July 2016—June 2017	2015-16(Biomed)	DST	0	0
	2012-16(Biotech)	DBT	0	0
	2013-16(Biotech)	DBT	0	0
	2012-16(Biotech)	BEJOSHEETAL SEEDS	0	0
	2014-17(Biotech)	DBT	6,30,000	6,30,000
	2013-17(Botany)	UGC	0	0
	2013-16(Chemistry)	DST	0	0
	2014-16(Chemistry)	UGC	0	0
	2015-17(Chemistry)	UGC	0	0
	2013-16(Chemistry)	DST	0	0
	2013-17(Chemistry)	DST	0	0
	2013-17(Chemistry)	DST	0	0
	2014-17(Chemistry)	DST	0	0
	2015-16(Env. Bio.)	DST	0	0
	2015-17(Lib.&I.S.)	GTN	6,94,147	6,94,147
	2013-16(Mari Sci.)	DBT	6,17,997	6,17,997
	2014-17(Mari Sci)	MoES	4,90,000	4,90,000
	2014-17(Mari Sci)	GOMBRT	3,03,600	3,03,600
	2013-16(Microbio)	DBT	0	0
	2013-16(Microbio)	DST	0	0
	2013-16(Microbio)	DBT	0	0
	2013-17(NFMC)	DBT	4,29,200	4,29,200
	2013-17(NFMC)	DBT	29,24,544	29,24,544
	2013-17(Physics)	DST	0	0
	2014-16(Physics)	NBHM	0	0
	2013-16(Physics)	DST-Indo Fra.	4,79,414	4,79,414
	2013-16(Physics)	DRDO	0	0
Major projects Ongoing as on 30 June 2017	2013-16(Biochem)	NMPB	6,50,000	6,50,000
	2014-17(Biochem)	DST-WOS	7,50,000	7,50,000
	2015-18(Biochem)	DBT	6,05,000	6,05,000
	2016-18(Bioinfor)	DST	6,00,000	6,00,000

	2016-18(Bioinfor)	DST	6,00,000	6,00,000
	2015-18(Biomed)	ICMR	21,95,000	21,95,000
	2013-17(Biomed)	DST	0	0
	2014-17(Biotech)	DBT	0	0
	2016-19(Biotech)	DBT	0	0
	2014-18(Chemistry)	CSIR	0	0
	2015-18(Chemistry)	DST	5,00,000	5,00,000 (12468902)
	2016-18(Edu. Tech.)	ICSSR	1,93,000	1,93,000
	2015-18(Env. Bio.)	UGC	0	0
	2014-17(Env. Bio.)	DST	4,75,200	4,75,200
	2017(Env. Bio.)	UNU	2,00,000	2,00,000
	2016-19(Env. Bio.)	MoEF & CC	0	0
	2015-18(Mari.Sci)	UGC	11,02,000	11,02,000
	2015-18(Maths)	DST WOS-A	3,77,083	3,77,083
	2015-19 (Med Phys)	DST	0	0
	2013-18(Microbio)	DBT	0	0
	2015-18(Microbio.)	UGC	0	0
	2016-19(NFMC)	DBT-IUABC	29,65,600	29,65,600
	2015-18(NFMC)	DBT	11,36,000	11,36,000
	2015-18(NFMC)	DBT	0	0
	2013-17(Physics)	DST	0	0
	2013-17(Physics)	DST	5,00,000	5,00,000
	2014-17(Physics)	DST	2,00,000	2,00,000
	2016-19(Physics)	DST	18,00,000	18,00,000
	2015-18(Physics)	DAE-NBHM	0	0
	2015-18(Physics)	CSIR	0	0
	2015-18(Physics)	DST	1,00,000	1,00,000
	2016-19(Physics)	DRDO	51,82,000	51,82,000
	2016-19(Physics)	DST	11,91,000	11,91,000 (27890785)
	2015-17(CRS)	NRSC Phase IV	0	0
	2016-18(CSEIP)	ICSSR	2,56,000	2,56,000
Major projects Sanctioned during July 2016—June 2017	2016 – 19(Biochem)	DST- WOS-A	11,40,000	11,40,000
	2016 – 20(Biochem)	DST	9,65,000	9,65,000
	2017 – 20(Biochem)	DST-SERB	12,71,746	12,71,746
	2016-19(Chemistry)	DST	0	0
	2017-20(Chemistry)	DST	14,30,000	14,30,000
	2017-20(Chemistry)	DST	18,83,000	18,83,000
	2017-20(Chemistry)	DST	37,00,000	37,00,000 (37391961)
	June 2017 -- November 2018	ICSSR	2,00,000	2,00,000
	2016-17(Env.Bio.)	DST	3,50,000	3,50,000
	2017-20(Env. Bio.)	DBT	10,50,000	10,50,000
	2016-19(Env. Bio.)	DBT	12,60,000	12,60,000
	2017-19(Lib. & I.S.)	ICMR-ICSSR	--	--
	2016-18(Mari.Bio)	DST	6,00,000	6,00,000
	2017-20(Mari.Bio)	DBT	0	0
	2016-19(Mari.Sci.)	MoEF & CC	24,01,200	24,01,200
	2017-20(Microbio.)	DBT	15,50,000	15,50,000
	2017-20 (Physics)	DST	2,40,000	2,40,000

	2017-20 (Physics)	CSIR	0	0
	2016-19(Physics)	CSIR	6,42,500	6,42,500
	2017-20(CRS)	DST	15,00,000	15,00,000
	2017-20(CRS)	ISRO/DOS	4,96,000	4,96,000
	2017-18(CRS)	Ramco Cements	0	0
	<b>Total</b>		<b>4,76,81,661</b>	<b>4,76,81,661</b>

Nature of the Project	Name of the Department	Name of the funding Agency	Total grant
Major projects Submitted	Biomedical Science	DBT	98,00,000
	Env. Bio.	DST	48,30,800
		DST	49,15,200
		DST	27,60,000
		MoEF	44,75,300
		DBT	71,23,150
		DST	45,00,000
	Env. Magt	MoES	46,92,000
	Marine Biotech	DBT	48,85,520
	Marine Science	NFDB	2,80,68,600
		DST	80,48,000
		MoEF & CC	46,00,000
		ICMAM	1,50,00,000
	Medical Physics	DST	49,95,370
	Microbiology	DBT	36,50,000
		DBT	96,97,100
		DBT	90,22,200
		DBT	1,05,48,100
		DBT	67,66,100
		ICMR	30,97,500
		ICMR	39,27,000
	Physics	MHRD R & RUSA	1,50,00,000
		NBHM	27,19,000
		CSIR	26,41,380
	<b>Total</b>		<b>17,57,62,320</b>

Minor projects completed	2015-17 (Env. Bio.)	UGC	1,50,000	1,50,000
	2015-16 (Env. Bio.)	DST	4,50,000	4,50,000
	2015-16(Microbio.)	UGC	0	0
	<b>Total</b>		<b>6,00,000</b>	<b>6,00,000</b>
Minor project submitted		TNSCST	<b>5,00,000</b>	



Nature of the Project	Name of the Department	Duration	Sanctioned	Received
DST-TPSC	Physics	2016-17	1,00,000	1,00,000
DST-FIST	Animal Science	April 2016- March 2021	1,08,00,000	1,08,00,000
DST-FIST	Biochemistry	April 2014 – April 2019	4,98,443	4,98,443
DST-FIST	Biomedical Science	Nov.2015- Nov .2020	55,00,000	55,00,000
DST-FIST	Chemistry	2012-17	0	0
DST-FIST	Env. Biotech.	April 2016 – March 2021	0	0
DST-FIST	Mathematics	May2014- May2019	0	0
DST-FIST	Microbiology	May 2014 -- May 2019	0	0
DST-FIST	Physics	2016-21	0	0
DST-FIST	Plant Science	June 2014 - June 2019	0	0
DST-FIST	CRS	2013-16	0	0
UGC-SAP	Animal Science	2013-18	0	0
UGC-SAP	BTGE	2011-16	0	0
UGC-SAP	Chemistry	2013-18	0	0
UGC-SAP	Edu. Tech	Jan 2013-Dec. 18	5,90,000	5,90,000
UGC-SAP	Env. Biotech.	April 2016— April. 21	58,80,000	58,80,000
UGC-SAP	Geography	Apr 2015-Mar 20	0	0
UGC-SAP	Physics	2013-18	0	0
UGC-SAP	Plant Science	April 2011- March 16	0	0
UGC-SAP	CRS	2012-17	0	0
UGC--CPEPA	2016-21	UGC	0	0
DST-PURSE Phase II	From 2016	DST	6,28,56,000	6,28,56,000
TN Govt Grant for establishing Hi-Tech Lab (Remote)	2013-2018	Government of Tamilnadu	1,00,000	1,00,000
	<b>Total</b>		<b>8,63,24,443</b>	<b>8,63,24,443</b>

### 3.7 Number of books published

- i) With ISBN Number : 23      ii) Without ISBN Number : --  
iii) Chapters in Edited Books : 40      iv) Edited Books : --

### 3.8 Number of University Departments receiving funds from

UGC-SAP : 9      CAS : 0      DST-FIST : 10  
DPE : --      DBT Scheme/funds : --      UGC-CEPA : 1

3.9 For colleges -- Not Applicable

Autonomy : CPE : DBT Star Scheme :  
INSPIRE : CE : Any Other (specify) :

3.10 Revenue generated through consultancy

Rs. 19,32,028/-

The Publication Division has sold its publications (books) totalling to the amount of Rs. 12,47,563/-.

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

Level	International	National	State	University	College
Number	1	33	6	8	2
Sponsoring agencies	BDU, UGC, DRDO, INSA, DBT, ICMR, TNSCST, GIAN MHRD,	UGC, DST, DBT, NBHM, ICHR, BDU, ICSSR, RBI, NHRC, UGC-SAP, CEFIPRA-IFCPAR, Royal Society of Chemistry	BDU, UGC, DST-PURSE, SSA, WEAT	BDU, ISRO-- IIRS Outreach Prog., TRIOGS, FOGSI, MHMC, UGC	BDU

SSA -- Sarva Shiksha Abhiyan

WEAT -- Women Entrepreneurs Association of Tamil Nadu

TRIOGS -- Tiruchirapalli Obstetrics and Gynaecological Society

FOGSI -- Federation of Obstetrics and Gynaecological Societies of India

MHMC -- Federation of Obstetrics and Gynaecological Societies of India

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

87

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

International : 77      National : 97      Any other : --

3.14 Number of linkages created during this year

20

3.15 Total budget for research for current year in lakhs

From Funding agency : Rs. 13,46,06,104 /-

From Management of University : Rs. 1,25,34,000 /-

Total : Rs. 14,71,40,104 /-

3.16 Number of patents received this year

Type of Patent		Number
National	Applied	04
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

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

**Faculty**

Total	International	National	State	University	District	College
18	3	4	9	2	--	--

**Research Fellows**

Total	International	National	State	University	Dist	College
14	7	7	--		--	--

3.18 Number of faculty from the Institution who are Ph. D. Guides --  
and students registered under them -- 80

3.19 Number of Ph.D. awarded by faculty from the Institution -- 78

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

JRF : 66      SRF : 40      Project Fellows : 15      URF : 42      Any other : 34

3.21 Number of students participated in NSS events:

University level : 682      State level : --  
National level : 1      International level : --

3.22 Number of students participated in NCC events:

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

3.23 Number of awards won in NSS:

University level : --                      State level : 2  
National level : 1                      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 : 25                      College forum : 14  
NCC : --                      NSS : 06                      Any other : 4

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 201 cases.

**Placement Cell**

S. No.	Name of the Programme	Dates of the Programme	Place of the Programme	Number of Participants	Supporting Agency
1.	Career Counselling and Employability Skills Development Programme (II MCA)	Aug to Oct 2016	Dept. of Computer Science, BDU	54	BDU
2.	English and Soft Skills Development Programme (I MCA)	Aug to Oct 2016	Dept. of Computer Science, BDU	27	BDU
3.	Employability Training Programme	05 Dec, 2016	Global Talent Track (GTT), Trichy	25	BDU
4.	Soft Skill & Career Guidance Workshop	04 & 05 Jan, 2017	Dept. of Economics, Bishop Heber College, Trichy	91	BDU

5.	NET / SET Coaching Classes	04 to 26 Mar, 2017(Saturday & Sunday)	Department of History, BDU	153	BDU
6.	UPSC / TNPSC Coaching Classes	13 to 24 Mar, 2017 (Monday to Friday)	BDU Constituent Arts & Science College, NavalurKutappatu	165	BDU
7.	Career Guidance and counseling Programme	05 <sup>th</sup> June, 2017	District Employment Office, Trichy.	100	BDU

### NSS

S.No.	Name of the Programme	Dates of the Programme	Place of the Programme	Number of Participants	Supporting Agency
1	Dr. A.P.J Abdul Kalam Anniversary	27.07.2016	University Campus	50	NSS
2	World Humanitarian Day	16.08.2016	University Campus	65	NSS
3.	Blood Donation Camp	23.08.2016	University Campus	100	NSS/ GH / Rotary
4	Orientation Programme	06.03.2017	University Campus	100	NSS
5	World Women's Day Celebration	07.03.2017	University Campus	100	NSS

- LPG Gas utilization camp organized at Chinna Suriyur on 30- 03-2017.
- Eye camp organized at Chinna Suriyur on 28- 03-2017.

### 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.
- Conducted the three extension activities on "Live stock breeding and management" for the benefit of cattle farmers at Ethumalai, Trichy Dist. on 18.10.2016, Rangachipatti, Karur Dist. on 15.10.2016 and Vellalapatti, Trichy dist. on 04.03.2017.

### **Department of Education Technology**

- Observed “Teachers day” on 5<sup>th</sup> September 2016 and conducted Inter-department Competitions and distributed Prizes along with certificates.
- Dr. APJ Abdul kalam’s “Youth Renaissance Day” observed on 15<sup>th</sup> October 2016.
- Celebrated “National Education Day” on the eve of birth jayanthi of Moulana Abul kalam Azad on 11<sup>th</sup> November 2016.

### **Department of Environmental Management**

- Air Quality Impact Testing and Analysis of sand quarries entrusted by Water Resources Divisions of Karur, Marudaiyaru, Tiruchirappalli and Lalgudi Sub-Divisions of Public Works Department (PWD), Government of Tamil Nadu were undertaken by Dr. R. Mohanraj from 01-07-2016 to 30-06-2017 for 89 studies.

### **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-2017.

### **Department of Sociology**

- Conducted Exam awareness for 10<sup>th</sup> Std students at St. Mary’s School, Trichy on 18<sup>th</sup> February 2017.

### **Department of Women Studies**

Sl No	Programme	University Forum	College Forum	Others (NGOs, Public, and CBOs)
1.	Gender Sensitization Programme	1	5	1
2.	Menstrual Hygiene Management Programme	--	--	12
3.	Family and adolescent counselling	1	--	--
4.	EDP (Entrepreneurial Development Programme)	--	--	9
5.	Commemoration of national and international events	4	--	--
6.	Gender Fest	--	1	--
7.	Women Entrepreneurship Conference	--	--	1
8.	Sexual Harassment at work places ToT	--	2	--

## 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	109	2	University	111
Laboratories	139	7	University	146
Seminar Halls	31	2	University	33
Number of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	--	24	UGC XIIth Plan, DST-PURSE, DST-FIST, DST, DBT, BDU	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	Rs.4,22,61,591	UGC XIIth Plan, DST-PURSE, DST-FIST, DST, DBT, BDU	--
Others-- RAS Facility for Marine Copepods Culture	--	--	--	--

#### 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	79,265	-----	6052	65,41,000	85,317	-----
In the Central Lib. Text/Ref. Books	77,592	-----	1461	10,00,000	79,053	-----
e-Books	-----	-----	-----	-----	-----	-----
Journals	86	-----	-----	-----	-----	-----
e-Journals	8000+	-----	-----	UGC Infonet	8000+	-----
Digital Database	19	-----	-----	-----	19	-----
In the Depts/Centres CD & Video	489	-----	46	-----	535	-----
In the Central Lib. CD & Video	795	-----	-----	-----	795	-----
Others (Braille Books)	44	-----	16	-----	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	1197	23	Yes*	*	2	12	36	#27
Added	30	--	--	--	--	--	--	--
Total	1227	23	Yes*	*	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 rupees:

i) ICT	-- Rs. 14, 980
ii) Campus Infrastructure and facilities	-- Rs. 3,00,63,147
iii) Equipments	-- Rs. 34,53,130
iv) Others	-- --

**Total : Rs. 3,35,31,257**

## 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
103	1782	186	717	55	2843

- (b) Number of students from outside the state --- 121
- (c) Number of international students --- 13
- (d) Total number of students

Gender	Number	Percentage (%)
Male	1256	44.18
Female	1587	55.82

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

This Year				
General	SC/ST	OBC	Physically Challenged	Total
218	721	1865	39	2843

Demand Ratio : 1 : 1.3      Dropout : 1.1 %

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

- Department of Library and Information Science conducted to its students Coaching Classes for preparing UGC NET/SLET Examination.

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

NET : 17	SET/SLET : 22	GATE : --	CAT : 1
IAS/IPS etc : ---	State PSC : --	UPSC : ---	MPCT : 1
RSO: --	UGC JRF : 2	Others : 2	

#### 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.

Sl.No	Date	Training Programme / Course	Place	Participated
1.	18 & 19 Oct, 2016	Soft Skill Development and Career Counselling Workshop	BDU Model College, Thiruthuraipoondi	219
2.	25 & 26 Oct, 2016	Soft Skill Development and Career Counselling Workshop	BDU Constituent College, Perambalur	1030
3.	12 & 14 Dec, 2016	Soft Skill Development and Career Counselling Workshop	BDU Constituent College (W), Orathanadu	391
4.	15 & 16 Dec, 2016	Soft Skill Development and Career Counselling Workshop	Dept. of Geography, BDU	120
5.	15 & 16 Dec, 2016	Soft Skill Development and Career Counselling Workshop	BDU Constituent Arts & Science Collage, Nannilam	250
6.	19 & 20 Dec, 2016	Soft Skill Development and Career Counselling Workshop	BDU Constituent Arts & Science Collage, Inamkulathur	355
7.	20 & 21 Dec, 2016	Soft Skill Development and Career Counselling Workshop	BDU Model Collage, Vedaranyam	364
8.	20 & 21 Dec, 2016	Soft Skill Development and Career Counselling Workshop	Dept. of History, BDU	115
9.	22 & 23 Dec, 2016	Soft Skill Development and Career Counselling Workshop	BDU Model Arts & Science Collage for Women, Veppur	192

10.	22 & 23 Dec, 2016	Soft Skill Development and Career Counselling Workshop	BDU Model Collage, Aranthangi	319
11.	26& 27 Dec, 2016	Soft Skill Development and Career Counselling Workshop	BDU Constituent Arts & Science College (Co- Education) Nagappatinam	345
12.	28 & 29 Dec, 2016	Soft Skill Development and Career Counselling Workshop	BDU Constituent College, Lalgudi	225
13.	30 & 31 Jan, 2017	Soft Skill Development and Career Counselling Workshop	Dept. of Remote Sensing, BDU	130
14.	03 & 04 Feb, 2017	Soft Skill Development and Career Counselling Workshop	University A/C Auditorium, Bharathidasan University	158
15.	06 & 07 Feb, 2017	Soft Skill Development and Career Counselling Workshop	University A/C Auditorium, Bharathidasan University	209
16.	28 Feb, 2017 & 01 Mar, 2017	Soft Skill Development and Career Counselling Workshop	Dept. of Commerce & Financial Studies, BDU	69
17.	02 & 03 Mar, 2017	Soft Skill Development and Career Counselling Workshop	Dept. of Bio Informatics, BDU	77
18.	02 & 03 Mar, 2017	Soft Skill Development and Career Counselling Workshop	Informatics Centre, BDU	94
19.	06 & 07 Mar, 2017	Soft Skill Development and Career Counselling Workshop	Dept. of Physical Education, BDU	177
20.	08 & 09 Mar, 2017	Soft Skill Development and Career Counselling Workshop	BUTP Auditorium, Khajamalai Campus, BDU	177

## 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
4	114	13	63

## 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 : 27      National level : 12      International level : --

Number of students participated in cultural events

State/Univ level -- 36      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 -- 2      National level -- --      Inter. level -- --

#### **Other Events:**

State/Univ level -- 11      National level -- 2      Inter. Level -- --

## 5.10 Scholarships and Financial Support

	Number of Students	Amount in Rupees
Financial support from institution University Research Fellowship	42	19,09,000
Financial support from government (funding agencies) Fellowships	155	4,88,31,366
Financial support from government Scholarships (SC/ST/BC/MBC/DNC)	1205	1,03,86,169
Financial support from other sources (Higher Education Loan for SC/ST)	380	30,40,000
SRS (Senior research scholarship), Lady Tata memorial trust, Mumbai	1	3,36,000
Number of students who received International/National recognitions	--	--

#### 5.11 Student organised / initiatives

Fairs: State/Univ. level	-- --	National level	-- 1	Intern. Level	-- --
Exhibition: State/Univ. level	-- 1	National level	-- --	Intern. Level	-- --

#### 5.12 Number of social initiatives undertaken by the students :

- Conducted a rally on the eve of Dr.A.P.J Abdul Kalam's memorial day and conducted speech event among students (Department of Education Technology).
- Conducted Teachers Day Celebration on the eve of Birth Jayanthi of Dr.S.RadhaKrishnan on 05 September 2016 (Department of Education Technology).
- Conducted National Education Day Celebration on the eve of Birth Jayanthi of Dr.Moulana Abul Kalam Azad on 11<sup>th</sup> November 2016 (Department of Education Technology).
- Students of the Department of Geography have organised Earth Day Celebrations and planted tree saplings. Remote Sensing Day was celebrated under aegis of ISRS-Tiruchirappalli Regional Chapter on August 12, 2016.
- Centre for Study of Social Exclusion and Inclusive Policy:
  1. Field research on Adhiyar Tribes and visually challenged in Nagamangalam.
  2. Legal Awareness programme for the Rural poor in Collaboration with District Legal Authority Services, Tiruchirappalli District Court.
  3. Educational Awareness programme for the rural village in Suriyur, Trichy Dt
  4. A study on accessibility of State government welfare programme in Kovilpatti Panchayat, Trichy Dt.
  5. Health awareness programme with District Health Department for Physically challenged school children in Kovilpatti Panchayat, Trichy Dt

#### 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.
- 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.

- The “LEITMOTIV Club” of Department of Botany successfully enduring for students to acquire the power of knowledge to analyze and review through research articles.

#### 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).
- Leptospirosis 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.

- Water Resources Divisions of Public Works Department (PWD), Government of Tamil Nadu entrusted Air Quality Impact Testing and Analysis of sand quarries studies to Department of Environmental Management, BDU. **Consultant:** Dr. R. Mohanraj.
- The Department of Environment Management has long-term collaboration with Hatsun, TVS, TNPL, NLC, Bunge India, ITC-Kovai, CETPs in operation at Tiruppur, Dalmia Cements.
- 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.
- The following Radiotherapy Centres agreed to provide Internship for our students.
  1. Devaki Cancer Institute, Madurai
  2. Dr. Kamakshi Institute of Medical Science and Research, Chennai
  3. Sri Ramakrishna Institute of Oncology and Research, Coimbatore
  4. Apollo Speciality Hospital, Chennai
  5. Dr. Rai Memorial Cancer Institute, Chennai
  6. Kidwai Memorial Institute of Oncology, Bengaluru
  7. Health Care Global Enterprises Ltd. Bengaluru

#### 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. Merit list of admission is displayed within a day in the Departments' Notice Board.

#### 6.4 Welfare schemes for teaching faculty, nonteaching staff and students

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

1. Accident insurance benefit.
2. Subsidy on house loan.
3. Vehicle advance.
4. Festival advance.
5. Advance for purchase of a computer.
6. Mediclaim.
7. 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. 256.60 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

The parent-teacher meeting was conducted by the Department of Biomedical Science. Especially, parents of 1<sup>st</sup> year MSc wards, to explain the program in details and their contribution toward their wards education and learning system. Parents of the students of Department of Geography are requested to meet the programme coordinator once in a year to discuss about students' progression.

#### 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.
- Setup a Solar Power Plant with 500 kWp at the Main Campus at the cost of Rs.4.85 crores.
- Setup 8 number of Rain Water Harvesting near the buildings of Departments in the main campus.

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. 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 50 conferences/workshops/seminars.
- The following new Programmes have been introduced in the present academic year:
  1. B.C.A.
- The University Informatics Centre has setup a Student Information Portal as a part of Office Automation Project. This portal facilitates self-service capabilities to get Bonafide Certificate, Fee Receipt, No-Due Certificate, Hall Ticket etc.
- Setup a Solar Power Plant with 500 kWp at the Main Campus at the cost of Rs.4.85 crores.
- Setup of 8 number of Rain Water Harvesting near the buildings of Departments in the main campus.
- Department of Library and Information Science organized International Conference and International Workshop; according proposal submitted to get U.G.C grant; the funds sanctioned and program organized (21.02.2017) in which 280 participation got benefited.

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.
- Educational multimedia development on diverse subjects at different levels.
- Teacher oriented television studio(TOTE) facility for the microteaching skills development for teachers at different levels

## 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 priority 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 be 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 use 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.
- Plantation of Herbs and small plants in the Campus on 11<sup>th</sup> January 2017 by M.Ed., M.Sc.(Media and Communication) and Ph.D. Scholars (44 students).

#### 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 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.
- Improving the NIRF Ranking

## **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**

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

#### **By IECD**

IECD has signed MoUs with the following Industries/ Institutions during the academic year 2016-17 for organising various job-oriented skill development programmes for the benefit of students & non-students youths:

1. SEMAS Educational & Charitable Trust, Chennai (on 28/08/2016) – To offer the Certificate Programmes in Mental Maths & Syner Gym (Basics), Mental Maths & Syner Gym (Intermediate) and Mental Maths & Syner Gym (Advanced).
2. Chellappan Institute of Management, Karaikudi (on 28/08/2016) to offer the programmes – Diploma in Hospitality Services, Diploma in Business Management, Advanced Diploma in Hospitality Services, Advanced Diploma in Business Management, PG Diploma in Hospitality Services, PG Diploma in Business Management and PG Diploma in Arbitration & Conciliation.

#### **By BDC**

1. MoU signed on 24.08.2016 with Annai Medical Centre, Tiruchirappalli for offering the 1) Certificate Course in Operation Theatre Technician and 2) Certificate Course in Health Assistant from the academic year 2016-17 onwards.
2. MoU signed on 22.09.2016 with Sathyan Eye Care Hospital and Coimbatore Glaucoma Foundation run under Padma Sathyan Health Cre LLP., Coimbatore for offering the following the Certificate Course in Ophthalmic Technology from the academic year 2016-17 onwards.
3. MoU signed on 22.09.2016 with EduSys, Tiruchirappalli for offering the following Courses from the academic year 2016-17 onwards.

1. Certificate Course in Open Source Software Applications in Libraries.
  2. Certificate Course in Library and Information Science.
  3. Certificate Course in Library Leadership.
  4. Postgraduate Diploma in Open Source Software Applications in Libraries
4. MoU signed on 22.03.2017 with Amaravathi Hospital, Karur for offering the following Courses from the academic year 2016-17 onwards.
1. Certificate Course in Intensive Care.
  2. Certificate Course in Health Assistant.
  3. Certificate Course in Cath Lab Technician.
  4. Certificate Course in Operation Theatre Technician.
  5. Certificate Course in Dialysis Technician
5. MoU signed on 23.05.2017 with Arogya Seva Hospitals Pvt. Ltd., (a unit of Kauvery Group of Hospitals), Hosur for offering the following Courses from the academic year 2016-17 onwards.
1. Certificate Course in Operation Theatre Technician.
  2. Certificate Course in Radiological Assistant.
  3. Certificate Course in Echo Technician.
  4. Certificate Course in Cath Lab Technician.
  5. Certificate Course in Dialysis Technician.
  6. Certificate Course in Emergency Care Technician.

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

- Dr.K. Anbarasan : ARVO-2017 – Communicator for submission of best paper (International).
- Prof.M. Selvam – Research Excellence Award—2016 by the Indo-American Education Summit on 21-09-2016. (International)
- Prof.M. Selvam – Editorial Excellence Award. (State)
- Dr.R. Rajaram – Outstanding Scientist Award by Venus International Foundation, Chennai. (State)
- Dr.R. Arthur James – Dongsha Research Award by National Sun Yat-sun University, Govt. of Taiwan. (International)
- Dr.A. Govindarajan – Best Teacher Award by Tamilnadu Education and Research Development Institute, Chennai on 05-09-2016. (State)
- Dr.I. Muthuchasmy – Life Time Achiever Award by Indian Academic Researchers Association, Tiruchirapalli. (State)
- Dr.M. Mirunalini – Best Faculty Award by Indian Academic Researchers Association, Tiruchirapalli. (State)
- Dr.D. Laura Dameris Chellajothi -- Best Library User by Bharathidasan University. (University)
- Dr. S. Achiraman – UGC Research Award. (National)
- Dr.B. Jayapragash – Best Library Professional Award (National) by SALIS.



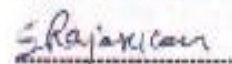
- Prof.N. Thajuddin – Professor T.V. Desikachary Endowment Lecture Award 2017 (Univ)
- Prof.N. Thajuddin – Tamilnadu Scientist Award (State)
- Prof.S. Arumugam – Tamilnadu Scientist Award (State)
- Prof.M.B. Viswanathan – Best Poster Award (December 2016) (National)
- Prof.N. Manimekalai – Environment Protectionist award (State Level) by SASTRA University.
- Dr.L.C. Nehru – Outstanding Faculty Award by VIFA in 2016. (State).
- Prof.Vasanthi Nachiappan – FABMS Fellowship title award by Indian Association of Biomedical Scientists.(National)

## Criterion – VIII

### 8. Plans of Institution for Next Year

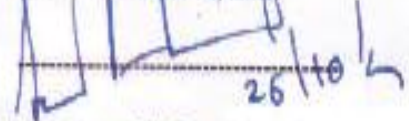
1. Plantation of Bamboo Trees.
2. Organizing Mobigraphy – 2017 (Mobile Photography Competition) (Department of Education Technology), Teacher Educators Meet-2017 (Department of Education Technology), awareness programme regarding the utilization of plant based materials for drinking water treatment among the rural public.
3. Creating and developing of e-learning models for LIS.
4. Build Coastal campus at land allotted in Vedaranyam coast.
5. Opening of Students Registration Portal for campus placement.
6. To organize Education Expo by the Placement Cell.

Name : Dr. S. Rajasekar



Signature of the Director, IQAC  
Bharathidasan University

Name : Sunil Paliwal, I.A.S.



Signature of the Convener  
Convener of Committee  
Bharathidasan University

