

**Annual Quality Assurance Report (AQAR)**  
**(2015 – 2016)**



# The Annual Quality Assurance Report (AQAR) of the IQAC (2015 – 2016)

## Part – A

AQAR for the year

2015 - 16

### I. Details of the Institution

1.1 Name of the Institution

Bharath Institute of Higher Education and Research

1.2 Address Line 1

173, Agaram Road,

Address Line 2

Selaiyur,

City/Town

Chennai

State

Tamil Nadu

Pin Code

600073

Institution e-mail address

registrar@bharathuniv.ac.in

Contact Nos.

044 - 22290125

Name of the Head of the Institution:

Dr.M.Ponnaivaikko

Tel. No. with STD Code:

044-22290125



Mobile:

8939816001

Name of the IQAC Co-ordinator:

Dr.P.Naveenchandran

Mobile:

9597095131

IQAC e-mail address:

biher.iqac@bharauniv.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

TNUNGN10123

**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/71/A&A/4.2

1.5 Website address:

www.bharathuniv.ac.in

Web-link of the AQAR

[http://www.bharathuniv.ac.in/naac/iqac/aqar\\_2015-16.pdf](http://www.bharathuniv.ac.in/naac/iqac/aqar_2015-16.pdf)

1.6 Accreditation Details

Sl. No.	Cycle	Grade	Percentage/CG PA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	72.50%	2006	5 Years
2	2 <sup>nd</sup> Cycle	A	3.20	2015	5 Years

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

05/07/2006



1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC:

- i. AQAR 21/10/2015
- ii. AQAR 12/10/2014
- iii. AQAR 28/09/2013
- iv. AQQR 18/10/2012

### 1.9 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

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

Grany-in-aid + Self Financing  Totally Self- financing

### 1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)



1.11 Name of the Affiliating University (*for the Colleges*)

NA

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

Autonomy by State/Central Govt. / University

-

University with Potential for Excellence

-

UGC-CPE

-

DST Star Scheme

-

UGC-CE

-

UGC-Special Assistance Programme

-

DST-FIST

-

UGC-Innovative PG programmes

-

Any other (*Specify*)

-

UGC-COP Programmes

-



## 2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="08"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="03"/>
2.3 No. of students	<input type="text" value="06"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="02"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="01"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>
2.8 No. of other External Experts	<input type="text" value="01"/>
2.9 Total No. of members	<input type="text" value="23"/>
2.10 No. of IQAC meetings held :	<input type="text" value="04"/>
2.11 No. of meetings with various stakeholders	No. <input type="text" value="03"/> Faculty <input type="text" value="02"/> Non-Teaching Staff <input type="text" value="04"/> Students <input type="text" value="02"/> Alumni <input type="text" value="02"/> Others <input type="text" value="02"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text" value="-"/>
2.13 Seminars and Conferences (only quality related)	
(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC	
Total Nos.	<input type="text" value="02"/> International <input type="text" value="-"/> National <input type="text" value="01"/> State <input type="text" value="-"/>
Institution Level	<input type="text" value="01"/>



## (ii) Themes

1. Need for Innovative Methods of Evaluation for Professional Courses.
2. Introduction of Research to UG Students.
3. Institutional Social Responsibility on Environmental Conservancy.
4. Stress Management Techniques for Researchers.

### 2.14 Significant Activities and contributions made by IQAC

- IQAC meetings were conducted with the following agendas in view of finding new strategies for quality sustainance and enhancement :
  - To identify core and thrust areas of Engineering, Management and Health Sciences where there is a need for new programmes.
  - To include new practices in examination and evaluation methods of both under graduate and Graduate courses.
- IQAC meetings were held during the academic year as on:

▪ I <sup>st</sup> IQAC Meeting (Chalking of Action Plan and Goals)	06.07.15
▪ II <sup>st</sup> IQAC Meeting (Intermediate Monotoring)	10.12.15
▪ III <sup>st</sup> IQAC Meeting (Assessment of Outcomes)	09.03.16
▪ IV <sup>th</sup> IQAC Meeting (Assessment of Outcomes)	02.05.16
- Identified new programs in cutting edge, employable and interdisciplinary areas of Engineering, Technology, Management and Science.
- IQAC has suggested for new awards and shemes for promoting research culture in BIHER, as follows:
  - Best thesis awards for Under Graduate Students.
  - Best Post Graduate Dissertation Award.
  - Cash Award/Reward for Publication of Text Books/Reference Books by the Faculty.
  - Best Project Proposal Award for Faculty Members.
  - Best Innovative Project Award.
  - Award for Best Innovative Suggestion for Improving Administrative/Academic Processes of BIHER.
  - Best Sportsman of the Year at BIHER Award.
  - Best Non – Teaching Staff Award.
  - Best Support Staff Award.



- As a major reformation and improvement to the examination system, IQAC has suggested to implement the system of evaluation with 30% marks for internal assessment and 70% by traditional examination pattern.
- The IQAC has initiated to increase the number of institutional and industrial collaborations in terms of:
  - Research
  - Improving employability
  - Collaborated Hands on Training Programs
- The IQAC periodically assesses the feedback taken from the students, alumni, parents and faculty and suggest suitable changes to the academic section.
- The IQAC has proposed to decrease the time taken to evaluate the student performance in internal assessment tests and conduct retests after additional coaching and special classes.
- Implementation and study of improved methods of sterilization monitoring in Dentistry and extend to other institutions of Health Sciences of BIHER.

#### 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

PLAN OF ACTION	ACHIEVEMENTS
<p><b>Infrastructure:</b></p> <p>i. Construction of New Buildings</p> <ul style="list-style-type: none"> <li>➤ To cope up with the increased demand ratio and enrolment of students, new buildings are to be constructed.</li> <li>➤ To meet the additional floor space required due to planned industry institute collaborations.</li> <li>➤ To meet the requirements of the new programs, additional lab premises are to be created.</li> </ul> <p>ii. Library:</p> <ul style="list-style-type: none"> <li>➤ Increase the number of titles, e-journals, e-books and other sources.</li> <li>➤ Extended operating hours of the library on week days, week ends and during examination.</li> </ul>	<p>i. Construction of New Buildings</p> <ul style="list-style-type: none"> <li>➤ A floor space of 24500 sq.m of newly constructed buildings have been constructed and added to the infrastuctue.</li> <li>➤ About 5000 sq.ft. of space has been allotted to establish a Joint Training Centre with Bosch Ltd.</li> <li>➤ To meet the requirements of the new programs, additional lab premises are to be created.</li> </ul> <p>ii. Library:</p> <ul style="list-style-type: none"> <li>➤ Increased the number of titles, e-journals and e-books. In addition to that, CDs, Video Materials and others have been added.</li> <li>➤ Working hours of the library has been increased. During the periods of</li> </ul>



<p>iii. Equipment:</p> <ul style="list-style-type: none"> <li>➤ To purchase new equipments for Post Graduate laboratories.</li> <li>➤ To modernise the research labs of BIHER.</li> </ul>	<p>examinations, the library is to be kept open for an additional hour.</p> <p>iii. Equipment:</p> <ul style="list-style-type: none"> <li>➤ Most of the PG laboratories have been upgraded and new equipments added.</li> <li>➤ 12 number of laboratories have been modernised.</li> </ul>
<p><b>Academic Processes:</b></p> <p>i. Curricular Aspects:</p> <ul style="list-style-type: none"> <li>➤ To revise the curriculum and syllabus for UG and PG courses.</li> <li>➤ To add new interdisciplinary and innovative programs.</li> </ul> <p>ii. Modern methods of teaching</p> <ul style="list-style-type: none"> <li>➤ To increase the number of smart class rooms to improve the teaching learning process.</li> <li>➤ To ensure that ICT based teaching is followed by the faculty members.</li> </ul>	<p>i. Curricular Aspects:</p> <ul style="list-style-type: none"> <li>➤ Curriculum and syllabus of 33UG courses and 12 PG courses have been revised.</li> <li>➤ To add new interdisciplinary and innovative programs.</li> </ul> <p>ii. Modern methods of teaching</p> <ul style="list-style-type: none"> <li>➤ Number of smart class rooms has been increased to 08.</li> <li>➤ All the departments were instructed to implement ICT based teachings and relevant monitoring mechanism were implemented by respective heads.</li> </ul>
<p><b>Research Initiatives:</b></p> <p>i. Faculty members are to be motivated to publish more research articles by cash incentives.</p> <p>ii. To increase the share/incentive of funds generated by consultancy services by the faculty thereby to encourage knowledge</p>	<p>i. Cash incentives announced for research publications.</p> <p>ii. Revised rate of shares for the consultancy projects approved by the Board of Management.</p> <p>iii. An attractive incentive of 2% of the total cost of the funded project has been approved</p>



application to the industry and society.  iii. An incentive scheme for obtaining funds from funding agencies and completing projects as committed.	by the Board of Management.
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2.16 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body       Board of Management



## Part - B

### Criterion – I

#### I. 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	68	-	68	-
PG	46	01	46	-
UG	23	02	23	-
Super Speciality	-			
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	01	-
Certificate	-	-	-	-
Others	-	-	-	-
<b>Total</b>	137	03	137	-
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

##### 1.2 (i) Flexibility of the Curriculum: Choice Based Credit System

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	137
Trimester	-
Annual	-

1.3 Feedback from stakeholders: Alumni  Parents  Employers  Students

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



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

- Curriculum development and revision are through the academic council with inputs from IQAC, Board of Studies and feedback from stake holders.
- While designing and introducing new courses, due weightage is given for various aspects of employability, research and innovation.
- Psycho-Social Dimensions useful for industries, research institutions and agricultural sectors are taken into considerations.
- It is ensured that with the academic freedom vested with the university, innovative and interdisciplinary courses.

BIST	<ul style="list-style-type: none"><li>➤ Revised Curriculum and Syllabus (R 2015) for UG and PG</li><li>➤ Revised Regulations for PhD</li></ul>
SBDCH	<ul style="list-style-type: none"><li>➤ Based on the regulation of the D.C.I curriculum is revised.</li></ul>
SBCN	<ul style="list-style-type: none"><li>➤ Question Paper Model Changed.</li><li>➤ Required number of Internship hours changed.</li></ul>

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

Yes.

#### **Centres**

- Centre of Excellence in Paper Based Microfluids
- Dr. APJ Abdul Kalam Research centre for Aerospace Technology
- Centre of excellence in Patterned Multiferroics and Nanotechnology

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
943	628	210	105	-

2.2 No. of permanent faculty with Ph.D.

315

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
42	-	11	-	12	-	-	-	65	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	-
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	12	88	324
Presented	6	45	156
Resource Persons	6	42	112

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

- A link namely 'Student Corner' is created to provide updated information on academics, examination, facilities, formats, training and placement, student welfare and e-resources.
- Participatory method of learning in and out the classroom, bedside teaching in OPD, OT and Wards.
- Use of Webinars to share knowledge and promote understanding of the subjects.
- Case based learning modules have been developed for MBBS Students.
- Students are taught to apply the knowledge gained in Biochemistry.
- Hands on training on cadaveric surgery.



- Clinicopathological meetings.
- SOPs for each treatment protocol.
- Problem based learning (PBL) through group discussion.
- Two minor research projects involving students of I year B.P.T students clearly motivate an aptitude for students towards research.
- Weekly held clinical case presentation of 20 during this academic year by students facilitated by faculty is an innovative means of translating theory into practise with reasoning skills, followed by written evaluation.
- Slip test following each lectures are adopted by few faculty and founded to be productive with effective learning ensured by proper teaching and instant evaluation hence facilitate long term memory storage of learned information.

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

200

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

- Bar Coding
- Double valuation (PG)
- Revaluation (UG)
- Photocopy of the answer scripts
- VIVA Cards
- Three parallel and independent question paper sets.
- Model answers and scheme of marking.
- CCTV in examination halls.
- Flying squads visit examination halls.

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

750

2.10 Average percentage of attendance of students

81

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

- Academic Auditing
- Students Feedback
- Faculty Performance Assesment (API)



- IQAC collects the syllabus planning, clinical and academic time-tables of Departments and reviews teaching programs as per academic calendar in its annual meetings.
- Teaching-learning process of the Institute is evaluated annually by the IQAC during the criteria-wise presentations by heads of the departments and inputs are suggested by members for quality enhancement.
- The IQAC works closely with the Medical Education Unit and the Centre for Continuous and Life Long Learning for Professional Excellence (CCLPE) of the of the Sree Balaji Medical College in conducting faculty development programmes .it helps the faculty and updates them on the various teaching – learning and evaluation methods.

#### 2.12 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	300
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	65
Faculty exchange programme	02
Staff training conducted by the university	85
Staff training conducted by other institutions	142
Summer / Winter schools, Workshops, etc.	121
Others	259

#### 2.13 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	142	-	04	-
Technical Staff	1102	-	25	-

## Criterion – III

### 3. Research, Consultancy and Extension

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

- Introduction of seed money for young researchers.
- An increased percentage for the faculty from consultancy revenue generated.
- Dean (R & D) office scrutinizes, monitors and arranges for doctoral committee meetings and viva voce examinations
- Awards and rewards to encourage the faculty/research scholars/students to publish in prestigious and high impact factor journals.
- Concession of fees for part time PhD scholar working in BIHER

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	75	85	51	77
Outlay in Rs. Lakhs	407	468	231	428

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	192	103	23	51
Outlay in Rs. Lakhs	395	345	106	208

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	156	85	12
Non-Peer Review Journals	101	22	-
e-Journals	139	-	-
Conference proceedings	115	295	-

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS





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	3 Yrs (Average)	DST-SERB, DST-DBT, Min of AYUS, IVMR, DST-TSD	231	-
Minor Projects	-	-	106	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	55	-
Projects sponsored by the University/ College	-	-	850	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	126	-
Any other(Specify)	-	-	-	-
Total	-	-	1408	-

1408

3.7 No. of books published: i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges  
Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	15	67	12	-	84
Sponsoring agencies	BIHER	BIHER	BIHER	BIHER	BIHER



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

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	112
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year:

Total	International	National	State	University	Dist	College
27	04	10	24	45	-	15

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

and students registered under them

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

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

JRF  SRF  Project Fellows  Any other

3.21 No. of students Participated in NSS events:

University level  State level

National level  International level



3.22 No. of students participated in NCC events:

University level	170	State level	215
National level	98	International level	-

3.23 No. of Awards won in NSS:

University level	20	State level	63
National level	15	International level	-

3.24 No. of Awards won in NCC:

University level	20	State level	06
National level	03	International level	-

3.25 No. of Extension activities organized

University forum	22	College forum	65
NCC	-	NSS	06
		Any other	25

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

- BIHER organized 13 Mega Health Check-up Camps in the villages of Puducherry District along with other constituent units. Free medication and treatment (medical and surgical) was provided to the referred patients. More than 15,000 patients were benefited during the same.
- Free dental camp was organized twice a year in which 52 free dentures were inserted.
- Blood Donation project was carried out in the campus.
- Free Master check-up camps were held Blood Donation, Self-medication awareness, Health & Hygiene, Nutrition awareness camps
- Rally against pornography, human trafficking & abortion and various health programs on child abuse.
- Neuro Physiotherapy department organized two camps on poliomyelitis.
- Orthopaedic Physiotherapy department organized a free laser camp and a guest lecture.
- OBG Physiotherapy department organized two screening program on pre-menstrual syndrome and dysmenorrhoea
- Observation of and awareness program on following days:



- Oral hygiene day was celebrated on 1st August following which free scaling service was provided to all patients for the entire month.
- World No Tobacco Day: Awareness of Oral health for tobacco users and factory workers.
- Participation in tobacco awareness program for bus drivers & conductors at city bus Stand.
- Essay competition was organized on National Youth Day.
- National Nutritional week:
  - Awareness about Eye care and eye donation.
  - World HIV Day.
  - World Osteoporosis Day : Importance Bone density and nutrition
  - World Pharmacist Day
  - Safe Motherhood day
  - World Malaria day
  - World environmental day
  - Anti-drug abuse day
  - World suicide day
  - World water day
- Recently another Rural health centre is functioning at Padappai, Kancheepuram Dist.
- Regular weekly camps are being conducted in and around Chromepet

## **Department Of Medical and Surgical Nursing**

### **2015 (Screening for cataract)**

Screening programme was conducted in Sree Balaji medical college and hospital. Patients were collected from in and around the area near to Sree Balaji Hospital .Screening was done the patients were referred to the hospital for further treatment and management.

### **2015 (Diabetic care awareness)**

The awareness programme was organized by Department of medical and surgical nursing for diabetic patients to educate regarding the diabetic care and complications of diabetes.

### **2015 (Cervical cancer awareness)**

The awareness camp conducted for cancer cervix for women. The participants were collected from Hilton Matriculation School from Chrompet.

## **Department Of Child Health Nursing**

World breast feeding week celebration

### **2015-2016**



In every year the first week of August is traditionally celebrated as World Breastfeeding Week. Sree Balaji College of Nursing gives more importance to this and in our medical college. III<sup>rd</sup> B.Sc (N) and M.Sc(N) II year students were actively participated in breast feeding celebration programme during this programme students were given health education to the mothers of new born.

### **Pulse polio program**

**2015-16**

#### **Importance of pulse polio program**

In every year month of January and February pulse polio programme was conducted in Anakaputhur health centre. Sree Balaji College of Nursing gives more importance to the pulse polio program III B.Sc (N) student and M.Sc(N) I & II year students were actively participated in programme in the health centre. Polio drops were given to the under five children and in the home visit.

### **MASS AWARENESS PROGRAMME ON VITAMIN A PROPHYLAXIS**

#### **Importance of the awareness programme**

The programme was started at 10:30am at World Vision ADP centre Balaji Nagar. There were about 50 children of under 5 age group participated in the awareness programme along with their parents among them 25 children were from Balwadi Balaji Nagar.

**5.3.2016**

#### **Cervical cancer screening programme**

Cervical cancer screening programme was conducted in adopted communities (Anakaputhur) of Sree Balaji College of Nursing. One teacher and 10 students were participated.

**8.3.2016**

#### **World women's day**

World women's day was celebrated in Sree Balaji Medical College and Hospital two teachers and 28 students were participated.

**18.1.2016 & 22.2.2016**

#### **Pulse polio programme**

One teacher 27 students were participated in pulse polio programme along with Ramakrishna Vivekanandha urban health centre, Thiruvammiyar, Chennai.

**2015:**

In 2014 we conducted school health camp at Anakaputhur there we checked height and weight for school children and done dressing.

**2015:**

An awareness programme was conducted on Vitamin A prophylaxis.

**2016:**



### **1.Breast feeding week celebration**

Every year august 1<sup>st</sup> week we are conducting breast feeding week celebration.

### **2. AIDS day awareness programme:**

Every year December month we are conducting Aids awareness programme puppet show, villupattu, role play were conducting.

### **2015:**

#### **1.Filaria eradication camp**

The students of Sree Balaji College of Nursing along with collaboration of government PHC conducted filarial eradication camp. The camp was guided by sister Mrs.Gowri on 23.4.15 from 8 am to 12:30pm.

#### **2.Dengue awareness mass rally**

The dengue awareness mass rally was held on 7.11.15 at chromepet. The M.L.A shri Mr.Shansing leded the programme. II yr & IV yrs B.Sc(N) students totally 56 students participated in the rally

### **2015:**

#### **Pulse polio progrmme**

In every year month of January and February pulse polio programme was conducted in Anakaputhur health centre

### **2015:**

#### **World girl child day**

World girl child day celebrated on 8.12.15 in Sree Balaji nursery and primary school.

### **2016**

Sree Balaji college of nursing celebrated women's day and world safety week on 4.3.2015



## 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 (Acres)	305	-	Trust	305
Class rooms	492	6	Trust	498
Laboratories	473	3	Trust	476
Seminar Halls	71	2	Trust	73
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	138	25	Trust	163
Value of the equipment purchased during the year (Rs. in Lakhs)	3250	279	Trust	3529
Others	3000	300	Trust	3300

#### 4.2 Computerization of administration and library

- ERP implemented in
- Examination processes
- All India Entrance Examination is conducted online
- Library for routine transactions, Accessing IEEE e-Journals, ASME e-journals, ASCE e-journals & e-Books 2.
- MALIBNET - online Journals
- AutoLib Software
- All financial transactions of the institute are computerized
- Attendance and internal assessment marks of the students are sent to the parents through SMS periodically.
- Biometric for attendance of teaching & Non teaching faculty
- 25 computers with 2G airtel broad band connectivity.
- Digital library server, delNET consortium and EBSCO e-journals access computers for library management.
- Digitalising work of library is going on.
- Institute library is also computerized with Hi-Tech Digital Library
- Issue and return of books, journals is computerized.
- E-lib Library Management Software
- Sree Balaji Healthcare Technologies - Skylak PACS is the comprehensive Picture



Archiving and Communication System (PACS), an end-to-end, enterprise grade application, developed by Sree Balaji Healthcare Technologies - Skylak based on open source technologies and standards.

- Sree Balaji Healthcare Technologies - Skylak PACS is a complete solution for film-less Radiology and is an end-to-end fully integrated PACS system with DICOM 3.0 compatibility. It supports major vendors and modalities. APACS supports digital acquisition of radiology images from different modalities including CT, MR, CR, US, NM, OT and XA. The application provides DICOM query, retrieve and send capabilities. Sree Balaji Healthcare Technologies - Skylak PACS is capable of offline lossless compression and maintains the patient database.

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	3921	44	100 MBps - 2 GBPS	3	15	25	225	-
Added	65	2	2 GBPS	-	2	-	2	-
Total	3986	46		3	17	25	227	-

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

<b>BIST</b>
➤ IGB Bandwidth leased line both wired and Wi-Fi access in Academic and hostel areas.
<b>SLIMS</b>
<ul style="list-style-type: none"> <li>➤ Three Servers are available, one in radiology dept, one in MRD and one in Library</li> <li>➤ Wi-Fi for the whole campus, Apart from WI-Fi LAN system is also available</li> <li>➤ Internet with net work facilities and intranet facilities are provided for day to day work on each table.</li> <li>➤ Dates of the Meetings, Agenda, Minutes and proceedings are circulated to all concerned through E-mail.</li> <li>➤ On-line application system is available for admission to various courses is available.</li> <li>➤ Internet connection to all the departments.</li> <li>➤ E-learning resources, MEdRC Server, Helinet, Science Direct, e-book, Journals, e-database facility, teaching material in the form of CD's, interactive learning facilities and Access to DELNET</li> <li>➤ 100% faculties working in the Institution have acquired knowledge and exposure in the</li> </ul>





<p>use of computers.</p> <p>Around 50% of the faculties have their own laptops. They are using digital library through internet for their research and teaching.</p>
<b>SBMCH</b>
<ul style="list-style-type: none"><li>➤ 68 dedicated terminals are provided within the campus conducting hospital and college.</li><li>➤ The digital library in the institute has been upgraded and Wi-Fi facilities are available throughout the campus for the students and faculty.</li><li>➤ There is also a smart class room facility in college.</li><li>➤ The faculty and students are constantly upgraded on the available facilities through training/ orientation programmes.</li><li>➤ With the implementation of SBMCH- Skylak has been introduced and many governance issues are being addressed electronically.</li></ul>
<b>SBDCH</b>
<ul style="list-style-type: none"><li>➤ Smart classrooms with Internet accessibility ,education through texting. google class room, webinar conducted. Web in organized organized</li></ul>
<b>SBCN</b>
<ul style="list-style-type: none"><li>➤ Training for the students for how to use micro soft office, word, power point presentations, statistical packages, excel training given by the external faculty as per the syllabus.</li><li>➤ Staff was also attending the periodical classes for how to use micro soft office, word, power point presentations, and statistical packages, excel.</li><li>➤ There is also a smart class room facility available to take classes</li></ul>
<b>SBCP</b>
<ul style="list-style-type: none"><li>➤ special lectures with practical application of computers by Mr. Rajesh kumar MCA for faculty and students.</li><li>➤ e- governance with communication with parents, university, tie-up institutions, alumni.</li><li>➤ Online referral services of completed candidates/alumni for job placement, obtain licencing ( professional ) in other countries.</li><li>➤ Unlimited internet services at department and library for reference by faculty and students.</li><li>➤ All academic activities by staff and students involve audio-visual aids and ICT enabled means.</li><li>➤ Admission of students for 2015-2016, prospectus, and various activities of 2014-2015 are displayed and updated in website.</li><li>➤ Job placement of completed candidates with recruiters, guest lectures, conferences, communication is made using electronic means.</li></ul>



4.6 Amount spent on maintenance in lakhs :

i) ICT	19
ii) Campus Infrastructure and facilities	375
iii) Equipments	60
iv) Others	76
<b>Total :</b>	<b>530</b>



## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- IQAC has suggested for setting up of Language Lab to practice and improve the communication skill.
- Accordingly the University has made sufficient budget provision
- Formation of Anti-Ragging Cell.
- Conducted orientation programmes for 1<sup>st</sup>B.Tech /B.Arch
- Orientation to improve the analytical skill
- Single windows admission.
- Formation of Students council.
- Mentorship facility – faculty as mentors
- Health card for subsidize treatment.
- Anti ragging committee.
- Grievance cell for students.
- Debate is regularly organized for undergraduates and postgraduates to enhance their communication skills.
- Orientation for 1<sup>st</sup> MBBS, Interns and PG.
- Student Counselor.
- Remedial class for slow learners.
- Students representatives are involved in IQAC of institutes and of University.
- Student health insurance coverage is available.
- Earn while learn facility is provided to students.
- Personality enhancement and skill development programs.
- Registered alumni associations in all constituent units.
- Induction and orientation program for all students at entry level.
- Continuous evaluation of students through periodic tests, assignments, seminars, project work and other activities.
- Training is provided in communicative skills, analytical skills and life skills.
- Effective utilization of modern teaching techniques.
- All institutions have student Redressal cell, women empowerment cell, career guidance cell.
- Initiation in establishing 24 hours helpline for students
- Mentor Mentee system followed
- QIP constituted in the institution involving both students and faculty. The IQAC also monitors the feedback taken from the students and provides recommendations to the institutions for needful action on the same.
- The IQAC works in close co-ordination with the student councils of college and facilitates the grievance redressal forum of students.
- Biometric attendance for PG students.
- The institution enrolls all passed out graduates and post graduates into alumni association.
- Student progression is tracked through the alumni updates.
- 3 parent-teacher meeting conducted this academic year.
- 4 model exams, 6 assignments, slip test, cycle test, conducted, evaluated and documented in printed manual form and discussed by students, faculty and parents.



- Health day celebrations, clinical case presentation, journal club were conducted involving external faculty for critical input and self promotion.
- Self evaluatory activity report for each academic year by faculty ensuring introspection and progress at individual level.
- Feedback from alumni, tie-up institution.
- Evaluation of university exam, pass percentage, distinction
- Monthly attendance in theory, class subject wise as well per academic year to be at 90%
- Absenteeism by students parents are informed.
- Assistance for education loan.
- Provision of university, government scholarship by NGO.
- Job placement.
- ICT enabled teaching.
- Library with internet access.
- Department library, bone bank, question bank.
- Student counselling.
- Assistance for presentation at cultural, academic activities.
- Mentorship, notes, career guidance, motivation by alumni.
- Involving in research projects.
- Community health activities.

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

- Updating the website by keeping programmes
- Computer with internet access free of cost
- E-books, e-journals and sample question papers are made available in the library
- Students are encouraged to participate in sports, extra-curricular activities, seminar, workshop programs and research projects.
- Slow and advanced learners are identified through well formulated format which assesses their knowledge, cognitive and behavioral skills.
- Academic review committee meetings are held once in six months to review UG and PG academic activity.
- Dissertation review committee meetings are held regularly to know the progress of students dissertation work which is further discussed by the academic council.
- Peer feedbacks from the teachers.
- Students feedback about teachers.
- Regular formative and summative assessments for UG and PG.
- Interns are motivated and encouraged to register for certificate courses.
- Students mentorship program available.
- Undergraduates are encouraged to take up research.
- There is a provision of grant to Ph.D scholars.
- Anti-ragging Committees.

- Students magazines are released every year.
- Anti Harassment committee
- Regular monitoring of peers for their regularity and learning by Batch teacher and Class teachers and through the Mentorship Programme.
- Monthly attendance report generating and its review
- Academic council board meeting to review the performance

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
6965	841	511	280

(b) No. of students outside the state

1045
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(c) No. of international students

04
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Men

No	%
3	75

Women

No	%
1	25

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2474	1237	77	3865	77	7730	7641	244	86	625	01	8597

Demand ratio

1:20
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Dropout % - 0.06%

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

- UG students are given coaching for Civil service examinations
- Placement cell arranges several orientation Programmes towards improving skill developments
- CAD training organised within the university premises
- Training programs are arranged for coaching the students for GATE, GRE, etc.
- Coaching done for competitive entrance examinations including Group I UPSC, UK entry level and United States entry examinations (PLAB & USMLE), MRCP case scenario
- MCQ's are introduced at formative assessment and for summative assessment Orientation programs for UG and Interns for scopes after graduation
- To improve the communication skills and to facilitate the needs of the students, English is included in first year as bridge course.



- Institution encourages the students to take competitive examination by providing number of books and CD's at Institute library so students utilize these sources.

No. of students beneficiaries

#### 5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
 IAS/IPS etc  State PSC  UPSC  Others

#### 5.6 Details of student counselling and career guidance

- Students orientation program
- Personality development program
- Training program for recruitment
- Higher studies program
- Entrepreneurship program
- Guest Lectures for Career Guidance
- Weaker students are given special coaching
- Counselling for the beginners when they enter into the Nursing course during their first year of B.Sc.Nursing
- Student counselling service available for poor performance, slow learner, reteaching, and retest conducted.
- Transitional period of their entry into nursing counselling sessions is organized
- Every year the outgoing batches of UG and PG students have been arranged for a carrier guidance programme by various hospitals and Insurance companies and consultancies for foreign opportunities.

No. of students benefitted

#### 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
123	1187	1042	97



## 5.8 Details of gender sensitization programmes

Women Empowerment cell takes initiative in organising programs like:

- Health awareness
- Practical classes for female students on self defense.
- 24x7 help line for students.
- National girl child day celebration at Institute.
- Gender sensitization programs on child abuse, self-defense, pornography, human trafficking, abortion and female feticide, women rights in society and women safety in today's society

### **Function of the cell:**

The office of the cell is an educational resource as well as a complain centre for women members of the teaching, non- teaching staff and students of the college

### **Its mandate is ;**

- To provide a neural and confidential and supportive environment for members of the campus who may have been sexually harassed
- To ensure fair and timely resolution of sexual harassment complaints.
- To provide information regarding counselling and support services
- To promote awareness about sexual harassment through educational initiatives which encourage and foster a respectful and safe environment

### **Procedure :**

- The victim of harassment has to immediately report to any member of cell in writing
- On receiving the written complaint the committee meeting will be called and the complaint will be verified both with the victim and the harasser
- High confidentiality will be maintained with the whole proceeding
- Appropriate action will be initiated as per the law on the harasser Harassment status

So far, no case of sexual harassment has been registered with the anti sexual harassment cell

## 5.9 Students Activities

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

State/ University level	552	National level	212	International level	02
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No. of students participated in cultural events

State/ University level	2125	National level	1125	International level	5
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### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount in lakhs
Financial support from institution	4282	1179
Financial support from government	125	62.13
Financial support from other sources	149	96.7
Number of students who received International/ National recognitions	06	13.0

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students





## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 Does the Institution has a management Information System

Yes, on

- Examination processes
- All India Entrance Examination
- Library for routine transactions, Accessing IEEE e-Journals, ASME e-journals, ASCE e-journals & e-Books
- The administration and financial transaction of the institute are computerized by customized software.
- The working of the hospital is computerized (Patient Billing software/Student Management System/Inventory Management/Payroll employee). This software has 30+ modules that covers all aspects of management and operations of Hospital and is designed to achieve best clinical outcomes, optimal financial performance and most importantly patients and employees satisfaction.
- The work of Medical Record Section is also computerized which help to retrieve the information for research and to prepare various statistical inputs required to be sent to the Government. ICD code 10<sup>th</sup> edition.
- Hospital Information System (HIS) is timely upgraded by IT staff.
- Records of digital diagnostic and imaging systems like CT SCAN, MRI, Ultrasonography, X-ray etc. are maintained and updated regularly.
- We have collaborated with Skysoft and Skylak for hospital and college management information system.
- INC has implemented teaching faculty management system(TFMS)
- The institution is following both TFMS & IMS

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

##### 6.3.1 Curriculum Development

- The Curriculum Innovations are in tune with the institutional goals and objectives with emphasis on providing academic competence, experience in health care delivery and research. A three level process originating at the department level and curriculum committee based on need assessment through stake holder's feedback, revision by a committee of subject experts and approved by board of studies and academic council.



- Curriculum is revised / modified once in two years in medical colleges.

### 6.3.2 Teaching and Learning

- Faculty members are trained through faculty development programs. Teaching and learning is continuously monitored by conducting periodical test. The class committee meeting and review meetings are conducted periodically.
- ICT enabled teaching and learning facilitated.
- Due evaluation of model exams, assignments are discussed with feedback among parents, faculty and students.
- Department library, clinical exposure to students enrich a learning environment.
- Slow learners are identified, mentor by faculty, alumni enabling them to advance further.
- Above average students are encouraged for presentation at conference, workshops conducted at college and elsewhere.
- Faculty are encouraged to update by presenting articles in workshops, conferences by financial assistance and paid leave
- The courses are conducted in the outpatient, inpatient, community level clinical teaching – problem based learning, OSCE, OSPE training, various labs., e- learning, participative learning methodologies, Small group discussions, journal clubs, Skill labs, debates, workshops, and evaluation blueprint are provided to all the students. Theory classes are conducted for the whole batch, Didactic lectures, Practical classes, Clinical classes in OP and wards.
- In the Institute all the Departments conduct tests after each chapter is finished. Later every month the Monthly tests are conducted and reviewed the performance of each student and the students who have scored less will be identified and asked to attend the extra classes for special coaching. Later their performance is reviewed. Before the University exams, we conduct model exams. Below average students are identified and remedial classes are taken, to recoup their performance and to see that they perform better and tide over the situation.
- The teaching schedule is planned in a manner so that it is easily assessable and assimilate to reproduce when needed for them in their exams. The Academic Calendar is prepared separately for the Pre, Para- Clinical and Clinical sessions every year. The details of the chapter, text books and the referral books for each subject are given in their Academic calendar and also displayed in the respective department notice boards.



- The Departments adopt the methods of pedagogy, MCQs and topic assessment test, monthly assessment test, periodic internal assessment including theory, practical and orals regularly along with small group discussions.
- The Departments conduct many experiments in the concerned labs and also see that each student involved himself in the practical's as hands on exposure, so that the subject becomes easy to reproduce at a later date. In some Departments the students are given a problem to solve as an individual and assess their performance.
- The students are groomed to attend, present papers and posters in various academic meets. The students are subjected to learn the research methodologies and do research at an early part of the course itself.
- Our Institute is enriched with Centers of Excellence in Research, Central Research Lab. and individual Department Research labs. For learning in innovative and emerging areas.
- The teaching is done in such a manner that the students interact among themselves along with the teacher to understand the subject by audio-visual presentations, demonstrations, small group discussions etc.
- Academic calendar is prepared by the office of the Institute. The teaching and learning is monitored in all the departments by Master plan, Teaching plan and Course plan.
- Integrated teaching for UG and PGs including interdisciplinary seminars for the PG's.
- Clinical Skills Lab provides opportunity for hands-on experience to UG & PG students on procedural skills.
- UG students are encouraged to participate in external quiz, debate extempore programs.
- Orientation on identification of slow and advanced learners and remedial classes for slow learners in all constituent units.
- Problem based learning method is adopted.
- University Department of Education for Health Professionals (UDEHP) conducts regular workshops on teaching-learning and evaluation methods.
- The Medical Education Unit of the college regularly conducts Faculty Development Programmes (FDP's) for faculty through the center for continuous and life long learning for professional excellence (CCLPE) as per the MCI regulations.
- Feedbacks are obtained from stake holders on the teaching learning process and continuous improvements are effected for better outcomes.
- The students are assigned tutorials, assignments, project works, seminars, and participatory learning activities are encouraged.



- Field activity is encouraged so that students are exposed maximally and learn better with a practical understanding

### 6.3.3 Examination and Evaluation

- A panel of examiners is prepared drawing members from internally and externally who have expertise in the subject for setting the question papers and correcting the answer scripts. The quality of the question paper is reviewed by question paper scrutiny board and evaluation is also reviewed by the competent and result passing board. There is also a provision for issuing the Xerox copy of answer scripts and there is a provision further appeal for reviewing answer scripts. Supplementary examinations are conducted for all the arrear subjects on completing eight semesters.
- Model exams, assignments, class tests are evaluated and corrective measures are done within 3 days of having conducted.
- Notifications regarding examinations and results on University Website.
- Biometric analyses and photo identification of the candidates is done during the writing of CET examination and also at the time of counseling.
- OMR Sheets for evaluation.
- The processes of entry of marks, generation of result sheets, generation of marks cards, provisional degree certificates, etc. are totally computerized.
- The Statement of Marks and Convocation Certificates are printed with unique security features.
- Clinical skill laboratory for evaluation of clinical skills.
- Announcement of University examination results through SMS/E-mail will be commencing from 2015.

### 6.3.4 Research and Development

- Two minor research projects by students this academic year
- Research update with 10 medical innovation elsewhere are presented, discussed and evaluated.
- Institute Research cell, under the Chairmanship of R & D Director meets regularly.
- Research cell of the Institution has national funded projects from agencies like ICMR, DST and DBT etc.
- Collaborations with foreign and National Agencies is available



- R & D Cell of the Institution is established to monitor and record research conducted in the institution.
- R& D department has increased its faculty strength, with 3 Faculty. It monitors and maintains records of researches in the area of Medical Science.
- Various committees are involved in monitoring research activities like Ethics committee for human and animal studies, Synopsis review committee and Dissertation Review Committee etc.
- Site Management Office (SMO) is fully functional in hospital to monitor clinical trials and clinical research.
- Faculty is encouraged for scientific research, paper presentations and publications.
- Faculties are deputed for seminars and workshop for enhancing their research activities.
- Collaborative institutional training initiative (CITI).
- Facilities like study leave, infrastructure, learning materials, equipment are provided by University to faculty for research promotion.
- Incentives for publication, paper presentation, Travel grant. Ph.D, etc. is regular research promoting activity of the University.
- Workshops on research methodology, good clinical practices etc. is a regular feature.
- Plagiarism undertaking is obtained from the research scholars and postgraduates to monitor quality of research.
- The synthesis of teaching and research is fundamental in the college. All faculties do scholarly research, most often in association with post graduate students or advanced undergraduate students.
- The research committee which besides promoting research activities also screens the new research proposals of the faculty monitor the ongoing research projects and evaluate the completed research projects.
- The ethical committee is formulated and designs the student research in doing the research process, obtaining the permission, supporting during their data collection.

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- The adequacy of the books, journals for the various programmes/ courses are obtained from the faculty members and their departments for planning of the purchase. There is an exclusive in the library for the digital information and communication enabled information and knowledge acquisition with online journal or e-learning journal and e-



books. The infrastructure likes for reading, staking the books and journals and reprographic facilities are quiet adequate.

- Apart from nearly 1000 books and dozen of journals at main library, department library with 100 books, question banks and photocopies of journals are worthy to be used by faculty and students.
- With laptop and unlimited internet access, uninterrupted power supply, basic amenities provides a stress free environment for teachers and learners.
- Periodical purchase of computers, 10 lakhs norm of equipments to be used for academic and clinical purpose are brought this year.
- Routine servicing and calibration of electronic equipments with maintenance are carried out.
- Access to full text articles through DELNET data base, science direct, etc. has enhanced quality teaching learning and research.
- KIOSK is planned to be placed at the entrance of the library.
- Layout of library with individual reading carrels, lounge area for browsing and relaxed reading for accessing e-resources is displayed at the entrance of the library.
- The central library is kept open approximately 300 days and reading room in central library is open for 12 hours every day.
- e-learning facilities like Smartech with on-line journal access is available.
- Computers with LCD projectors are provided for effective teaching.
- Library has CDS and DVDs of rare procedures, surgeries, advanced teaching material which can be access by the faculty.
- Regular addition of latest books and instruments
- Library uses E-lib Library management Software to handle the Issue and Return, Budget handling, ID card Generating, Barcode Generation and Cataloguing of books etc.
- Installation of Anti-virus software.
- The library operations are computerized. This has facilitated wider and deeper acquisition of information to improve the existing library services, to introduce new information services and to retrieve stored information easily.
- Institutional Repository is the digital archive of the research output of PG Dissertations submitted by PG Students and Ph.D thesis of various faculties. Anyone can browse the documents by Title, Author, Department, Date, Key words, etc.
- Library has Online Reference Books, Practice Guidelines and Drug information



including a separate reference room with latest books.

- The library provides reprographic facilities
- The library follows open Access System.
- Internet facility with broad band connectivity of 10 MBPS is provided through leased line in the digital library. It provides large number of on-line journals, e-journals, e-books, on-line bibliography and e-mail. Simultaneously 47 students can access the digital library.
- Library has on-line reading list bibliography compilation. The University website also.
- Department Library Service.
- Printer facility
- Audio-Visual Facility.
- MEDLINE Facility.
- Identity card for undergraduates is compulsory to avail book bank facility.
- Feedback forms are placed near the entrance lobby. Suggestion boxes are placed in the library.
- The feedback forms and suggestion boxes are reviewed regularly by the Library Advisory Committee and strategies for improvement are planned and implemented.
- CCTV cameras and air conditioners are placed in reading and reference rooms of the library.

#### 6.3.6 Human Resource Management

- The salary and other perks are fixed for faculty members based on the human resource policy which drafted based on UGC norms. The promotions are based on the Academic Performance Indicators (APIs) that each faculty member earns. Similar exercise is also followed for nonteaching, technical and administrative staff. There is an in house training for the nonteaching technical and administrative staff. Gratuity scheme is also extended for all the staff who served the institution for more than 5 years.
- Provision of basic amenities to staff and students are done.
- Faculty register manually for full and part time are maintained with time in and out.
- Open communication for staff, students for complaints, ragging, sexual harassments are maintained
- Student council, staff meeting, IQAC, parent-teacher meeting, alumni association which has representation from all sources ensures a lively atmosphere at work.





- Teaching and non teaching faculty recruitment is based on merit and as per UGC guidelines.
- Transparent System of Working
- Faculties are given incentives for publications, study leave for higher education, deputation including travel grant, for attending workshops and conferences.
- Fee concession for faculty and their dependents.
- Free Medical treatment for the Staff and for their family members
- Faculty training through regular orientation programs for teaching and non teaching staff.
- Faculty assessment is done through feedbacks from students, peer and Administrative heads.
- Faculty are encouraged by various awards and welfare schemes like, Best Teacher Awards, Best Non-Teaching Staff Awards, Incentives, health insurance scheme, staff welfare scheme etc.
- Institution has appointed Visiting Professors, Adjunct Professors and Emeritus Professors for various academic programs and Decentralized administration.

#### 6.3.7 Faculty and Staff recruitment

- Every year during the month of February/March, requirement of the faculty is received from each dept to meet the student staff ratio every year. The advertisement calling applications for the vacant posts is released in leading. The faculty members are recruited through the panel of expert committee. The similar exercise is also followed for the non teaching, technical and administrative staff.
- The university has laid down norms for the recruitment of teaching and non teaching staff as per the norms of the statutory bodies. The recruitment is by open advertisement and the selection is by the selection committee constituted based on the university bye-laws and UGC guidelines. The vacancies are as determined by requirements as prescribed by various governing authorities like MCI and as well as the workload of individual departments.
- The recruited faculty are assessed annually by self appraisal method and peer evaluation and student feedback the analysis of which gives way for further enhancement and up gradation of their skills and knowledge.
- The college also encourages faculty participation in continuing education programmes as well as various national and international training programs, workshops and conferences.
- Skill development programs are mandatory for the non-teaching faculty of the university.





- Faculty and staff recruitment is as per UGC guidelines and statutory bodies/regulatory bodies.
- At any given time the number of faculty is 1/3 more than that required as per the regulatory bodies (MCI)
- Transparent system of recruitment.—News paper advertisement for vacancy, interview, and selection committee and based on qualification, performance and merit.
- Retention of faculty is encouraged by promotion, and other monetary benefits. Faculty retention is high due to conducive working environment for professional growth.

#### 6.3.8 Industry Interaction / Collaboration

- There is separate Industrial Interaction Partnership Cell (IIPC) is setup for interaction and collaboration with the Industries. The students' industrial training and projects in the industry are always coordinated through the IIPC.
- Clinical postings with relevant subjects students benefit at hospitals of reputation.
- More than 15 hospitals/institutes has collaboration for training and CRI which are of high standard.
- Feedback from students after postings and the tie-up hospitals are weighed for quality.
- Students are encouraged to carry out their dissertation work at various Research Sources.
- Inviting industrial experts to interact with the students to develop entrepreneurial skills
- The university has entered into MOUs with various national and international level Institutions, research centres and industries and communities to carry out collaborative research projects and consultancy projects

#### 6.3.9 Admission of Students

##### **Engineering**

- There is an admission cell under the control of Dean/Admission functioning in the university. Advertisements calling for applications for admission into the various courses is released every year in the month of March/ April and admission is always done through the All India Competitive examination cell.

##### **Medicine**



In every academic year the Institute conducts its own Common Entrance Test (CET) for all under graduate, postgraduate and Ph.D programs in different disciplines. The process of Admission into various courses for the Institute is done by the University as per the procedures laid by the UGC. There is a separate Committee for the process of admissions. The criteria for admission is

- Merit with entrance test 3. Merit, entrance test and aptitude and interview. The admission and enrollment of students is done by conducting competitive exams at various centers in different parts of the country.
- The merit list is prepared and counseling is done for the selected candidates considering their category. The advertisement for admission notification is published in leading newspapers at state and national levels.
- The notification includes the last dates of purchase of prospectus and submission of application for CET along with required fees. The admission notification and other details are also posted on the dynamic website of the Institute. The details of the programs, their duration, entry qualification, tuition fees, syllabus for the CET, dates of examination, date of declaration of CET result, dates of counseling, last date of admission etc. are included in the prospectus and also posted on the website of the Institution.

### **Counseling:**

- The counseling of the students for actual admission is done on the dates declared in the prospectus.
- The competent authority arrange for the verification of documents during the counseling session. These include the statement of marks of at the +2 level, school leaving certificate, attempt certificate, birth certificate, and other certificates such as domicile, caste validation and such other documents that may be deemed necessary for verification before admitting the candidate for the professional courses. No candidate shall be admitted to the professional program after the last date(s) declared by the respective Central & State Councils. The performance of the candidate in CET and his subsequent admission to any of the program of the Institute shall stand cancelled if he/she-
- Has submitted false information or record.
- Has resorted to any unfair means during the CET.
- Has tried to bribe any of the employees of the Institute for the purpose of the admission.



Has paid any sum to any person who is not the employee of the Institute for the purpose of the admission.

#### 6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> <li>➤ Gratuity , Finance Assistance, Attending Conferences</li> <li>➤ Health insurance scheme, Gratuity, EPF /PPF, Provision of staff quarters, Incentives for publication, paper / poster</li> </ul>
Non teaching	<ul style="list-style-type: none"> <li>➤ Health insurance scheme, Gratuity, EPF /PPF, Provision of staff quarters, Incentives for publication, paper / poster</li> <li>➤ Health insurance scheme, Wi-Fi connection Gratuity, PPF/EPF, Compensation to family members</li> </ul>
Students	<ul style="list-style-type: none"> <li>➤ All the students are covered under Medical insurance</li> <li>➤ Earn while you learn scheme</li> <li>➤</li> </ul>

#### 6.5 Total corpus fund generated

233

#### 6.6 Whether annual financial audit has been done

Yes  No

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

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

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

For UG Programmes Yes  No

For PG Programmes Yes  No

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

- Question Paper Scrutiny Board, Result Passing Board, Result Analysis, Issue of Xerox



copy of Answer Scripts ,Review Of Answers Scripts , Conduct of Supplementary Examinations

- Three parallel and independent question paper sets.
- Model answers and scheme of marking.
- Introduction of Objectively Structured Clinical Examination (OSCE), Objectively Structured Physical Examination (OSPE) and Objectively Structured Learning Method (OSLM).
- Double valuation.
- Photocopy of answer paper.
- Multiple Choice Question in University examinations up to 20%.
- CCTV in examination halls.
- Flying squads visit examination halls.
- The examinations results of all the examinations are declared within 15 working days from the last date of practical and theory examinations and the same are declared to the students.
- Till now there has been no inordinate delay in declaration of results.
- Mobile phones are strictly prohibited in examination and evaluation halls
- Mobile Phone JAMMERS are placed in the examination halls
- Different dates and times for valuation by external and internal examiners.
- 80% of the evaluation of the end examination is through central valuation system.

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

- Bharath institute of science technology is a constituent colleges of Bharath University having full autonomy in academics in respect of deciding regulations, curriculum, teaching, learning & evaluation and equipping the laboratories.
- The academic calendar contains curriculum and internal examinations including preliminary examination.
- The internal examinations are conducted as per time-table of respective Institutes
- The head of the constituent Institutes are given autonomy to decide on all curricular, co-curricular and extracurricular decisions in discussion with the Institute council.

6.11 Activities and support from the Alumni Association



- There is a close interaction between alumni, almanac and administration frequently arranged meeting and interacting each other's and obtaining the feedback for improvement in the academic in terms of curriculum and syllabus content improving the infrastructure in the laboratories Industry training and placements
- Institute has registered Alumni Association
- The Alumni Association conducts Alumni meets annually. The activities during these meets include scientific programs, curricular and extracurricular activities.
- The global Alumni meet conducted once in three years.
- Felicitates distinguished alumni and invites them for guest lectures.
- The Alumni have contributed to the development of institution by providing funds, books, instruments and helped their professional colleagues who are in need financially and emotionally by collecting funds, motivating and interacting with them.
- The Alumni share their expertise and skills by giving guest lectures and conducting workshops during the alumni meet.
- Recommendations are given to alumni for higher education in Indian and foreign Universities.
- Credential evaluation reports are sent as and when required by the alumni for job placement and higher studies.
- Facilitates Alumni meets and maintains website along with its link to the social networking systems.

#### 6.12 Activities and support from the Parent – Teacher Association

- Parents teachers meeting are frequently arranged in the respective department and interact each other. Wards performance are discussed with parents. Remedial measures are suggested for improvements
- The constituent colleges of the University have their Parent – Teacher Associations wherein most of the local student's parents contribute a major part due to ease of accessibility.
- The mentorship programme also has strengthened the PTA as the teachers communicate more frequently with parents regarding their student's progress
- The PTA also allows for participation of parents in the cultural and literary activities of the institution.
- The parents are also encouraged to give feedback on the educational process, infrastructure, faculty and hostel facilities and the feedback is used for constant up-gradation of facilities
- Some parents are in the process of instituting a Gold Medal for the topper in University
- Orientation for Parents and fresher's every year followed by parent teacher association meetings.



- The minutes are documented and action taken reports of previous meetings are brought to the notice of the parents.
- Feedback forms are obtained for parents
- Suggestions by the parents are taken into consideration and implemented by Institute authority after dialogue with the Institute staff.
- The PTA also allows for participation of parents in the cultural and literary activities of the institution.

#### 6.13 Development programmes for support staff

- Institute encourages the support staff by rewarding prizes for best non-teaching staff every year.
- Awareness program for Fire, Bio- medical waste Management and personal hygiene.
- Recreational activities like extracurricular and sports are organized at Institute level and also to the ladies staff through University empowerment cell for women.
- Support staff are made aware on ill effects of tobacco and counseled to quit the habits.
- Health scheme cards for support staff and their family are made available towards health treatment in hospital.
- Monetary compensation for the family members in case of untoward death. Creation of scheme to help families of faculty in distress following death of faculty member, help offered immediately up to Rs. 50,000/-. The hospital also provides an amount of Rs. 25,000/- to the families of its staff during similar situations.
- In service training programme for teaching staff for career development
- Journal club every month for teaching staff to update research knowledge
- Yoga class for the teaching and non teaching faculty
- Counseling services available for the teaching and non teaching faculty

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

- Landscaping and gardening and irrigation by recycling water, waste water treatment, sewage disposal through STP, Green campus maintaining for planting more number of amenities, banning use of plastic is completely banned. The campus is declared as tobacco free campus
- Plastic free campus, tobacco free campus, paper less administration, tree plantation around Pallikarnai, waste segregation, noise free zone.



- The Institute is in the process of conducting green auditing of the campus.
- The entire campus is eco-friendly with good walking tracks.
- Solar system and paper less governance, plantation of trees.
- Sewage treatment plant of 150 KLt/day capacities is available in the hospital which helps to utilize the sewage from the hospital using the activated sludge process by extended aeration system. Treated sewage after chlorination will be pumped for gardening in hospital complex and Institute.
- Water filtration plant.
- Manure with organic waste for Gardening
- Rain water harvesting system is in place, plantation of trees to improve ground water level, channeling the water from the roof into the ground to increase ground water level.
- The campus has solar panels at multiple places.
- The Institution herbal garden which have medicinal significance.
- The staff and students are trained in waste disposal management.
- The Institution strictly follows the state government rules for management of biohazards waste. The Institution has effluent treatment and recycling plant.

The Institution is located in environmental friendly campus. Institution believes in conservation of energy and natural environment.



## 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.

- Friendly approach to the new comers. Faculty advisory to the group of students to counsel them and extend need based help in the academic/department. The hostel counsellors/residential counsellors take care of the students needs in the hostel area. Periodic meeting are held in the hostels to listen to the points/ grievance of the students for the better healthy living. Every dept and class committee meetings are periodically arranged for the students and faculty members to take care of any points /event and the students both in the academic and administration.
- Case based learning modules for B.Sc, M.Sc students
- Computer assisted teaching and learning.
- Model making and chart making competition for undergraduate post graduate students.
- Formative seminar, medico social case presentation, family study, journal club evaluation of post graduate students by faculty.
- SBCN follows the norms of INC and TNC to the guidelines of the UGC
- Financial assistance to orphanage students
- Students are updated in the recent developments happening in their respective fields of specialization by means of hospital visits, participation in symposiums, conferences, projects, seminars, workshop, etc.,
- The college conducts periodical tests, oral examinations, assignment and seminars
- Special coaching classes are conducted for the students to help them prepare for the competitive exams like GATE,GRE etc.,
- Awards are instituted by the Institute for employees in the following category:-
- Best Teacher and Teacher of Teachers award for teaching faculty every year on teachers day for senior most teachers.
- Award for best non-teaching employee.
- Award for best women employee for overall performance.
- Award for best supporting staff
- Providing annual calendar of events to all.
- Provide calendar of academic schedule to parents and the students
- Orientation program for new recruits regarding teaching.





- Biometric attendance for teaching and non-teaching staff.
- Collaboration of our Institute with Japanese Organization NICHI-IN center for regenerative Medicine
- Establishment of clinical skill laboratory to sensitize undergraduate and postgraduate students for improving clinical skills.
- Conduct of regular free health check up programs / camps.
- Special classes are conducted to improve the skills of nursing staff.
- Public-Private partnership (Adoption of three Primary Health centers and Urban Health Centers).
- Cash incentives to faculty and postgraduates for publications and best paper / poster presentation at national and international conference.
- Able to serve more patients with 780 free beds. Total beds available – 950
- LED Screens installed at reception and waiting areas to display the activities of the institution.
- Institute website is being updated
- Establishment of state of art clinical skill laboratory.
- Convention Centre with auditorium, two conference halls, food court and registration foyer.
- Medical Insurance for students, teaching and non-teaching staff members.
- Scholarship for high achiever students.
- Mentorship programs for students.
- Best PG dissertation award instituted.
- Earn while you learn scheme for benefit of poor students.
- Establishment of IQAC in our Institute
- Internal Assessment Trials were conducted for all Departments
- Medical facility has been made completely free for gallantry awardees and freedom fighters by the hospital.
- Rain water harvesting system is in place, channeling the water from the roof into the ground to increase ground water level. Plantation of trees to improve ground water level.
- Steps have been initiated for management of e-waste.
- Creation of scheme to help families of faculty in distress following death of faculty member, help offered immediately up to Rs. 50,000/-. The hospital also provides an amount of Rs. 25,000/- to the families of its staff during similar situations.



- Official farewell function to all regular faculty and staff of the University, who attain superannuation to foster belongingness
- As per Calendar of Events of the University all the programs have been successfully conducted on the scheduled dates.
- 13 Mega Health camps have been organized with a total of 15,000 patients being benefited; free medicine and investigations were also done. This has increased the patient inflow to the hospital and bed occupancy.
- Continuing medical education programs were organized by all 21 departments spread throughout the year.
- Conduct of regular surgical skill workshop.
- The theme of the Hospital was “Clinical documentation & Evidence based practices” which is achieved by giving by collecting all clinical reports and necessary documents.
- Increased number of MOUs and collaboration.
- Promotion of research among faculty and student through innovative practices by research awards like, Best Ph.D Thesis Award, Best Post-Graduate Dissertation Award, Best Scientist Award, Best Young Scientist Award, Cash Award / Incentive for publication of Text Book / Reference Book.

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

- The curriculum and syllabus is modified in such a manner to see that it is delivered within the stipulated time frame by conducting extra teaching hours along with remedial classes for the slow learners.
- Improving the infrastructural facility by adding seminar halls, seating arrangements for the faculty rooms, departments, and class rooms.
- Conducted international conferences, seminars, workshops, symposiums department wise.
- Planned for hot water facilities for the students
- Beautified the campus by gardening, planting trees, grossing.
- Celebrated national days like diabetic day, cancer day ,HIV&AIDS day, cataract day, Mothers day, Women’s day,Childres day, Teachers day, Breast feeding day ,National TB Control day and World population day.
- Regular in-service programmes conducted for the teaching and non teaching faculty.



- Staffs were motivated to do the research and minor and major projects for this academic year.
- Social welfare activities was conducted for the patients increasing awareness regarding Hypertension awareness, cataract, diabetic care etc,

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

- |  |
|--|
| <ul style="list-style-type: none"><li>➤ Mentor-Mentee (Faculty Advisor)</li><li>➤ Best practices in the Department of Training &amp; Placement</li><li>➤ BIHER App</li></ul> |
|--|

### 7.4 Contribution to environmental awareness / protection

- Environmental awareness programmes by popular lectures by eminent environmental list
- Health awareness by women by eminent physiologist
- Health camp by students. Best maintain hostel block and hostel rooms competition
- The entire campus is eco-friendly with good walking tracks.
- Solar system and water filtration plant for re consumption, paper less governance, plantation of trees.
- Sewage treatment plant of 150 klt /day capacity is available in the hospital which helps to utilize the sewage from the hospital using the activated sludge process by extended aeration system.
- Water filtration plant.
- Manure with organic waste.
- Four generators capacity of total 740 KV for 24 hrs power back in the campus for the Institute
- Rain water system is in place, plantation of trees to improve ground water level, channeling the water from the roof into the ground to increase ground water level.
- The campus has solar panels at multiple places
- Beautiful landscaping is done to beautify the campus.
- Institution have herbal garden which has medicinal significance.
- The staff and students are trained in waste disposal management.
- The institution strictly follows the state government rules for management of biohazard waste.
- The institution has sewage treatment and recycling plant.
- Institution is located in environmental friendly campus. Institution believes in



conservation of energy and natural environment.

- Radiation safety measures as per guidelines.
- e-waste management.

7.5 Whether environmental audit was conducted?    Yes     No

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