Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Annual Quality Assurance Report

AQAR (2016 -2017)

Submitted to:

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
Bengaluru

September, 2017

The Annual Quality Assurance Report (AQAR) of the IQAC
(2016 – 2017)

Part – A

AQAR for the year

| 2016 - 2017 |

1. 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 2229 0742, 2229 0125, 2229 3887 |

Name of the Head of the Institution:

| Dr. V. Kanagasabai |

Tel. No. with STD Code:

| 044-22290125 |

Mobile:

| 9842748084 |

Name of the IQAC Co-ordinator:

| Dr. P. Naveenchandran |

Mobile:

| 9597095131 |

IQAC e-mail address:

| director.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_2016-17.pdf |

1.6 Accreditation Details

Sl. No.	Cycle	Grade	Percentage/CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	72.50%	2006	5 Years
2	2nd 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   19/10/2016
    ii.   AQAR   21/10/2015
    iii.   AQAR   12/12/2014
    iv.   AQAR   11/12/2013

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 ☐

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 | 08

2.2 No. of Administrative/Technical staff | 02

2.3 No. of students | 05

2.4 No. of Management representatives | 01

2.5 No. of Alumni | 01

2. 6 No. of any other stakeholder and community representatives | 02

2.7 No. of Employers/ Industrialists | 02

2.8 No. of other External Experts | 02

2.9 Total No. of members | 23

2.10 No. of IQAC meetings held : | 04

2.11 No. of meetings with various stakeholders No. 03 Faculty 02

Non-Teaching Staff Students 04 Alumni 02 Others 02

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

Total Nos. 02 International - National 01 State 04

Institution Level 12

(ii) Themes

1. Implementation of Community Oriented Teaching and Research.

2. The influence and Effective Utitlization of Internet on Teaching Learning Process.

3. Ethics in Teaching Profession.

4. Application of Six Sigma Concept for Education.

5. Need for Innovative Methods of Evaluation for Professional Courses.

6. Introduction of Research to UG Students.

7. Institutional Social Responsibilty on Environmental Conservancy.

8. 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.

- To discuss the previously proposed activitiesand review of their status and outcomes.

- To imoprove the number of international and national level Conferences/Workshops/Seminars and enhance the quality and reach of the events.

- To achieve higher rate of growth in Research by ambitituous targets in terms of research outcomes at all faculties.

➢ IQAC meetings were held during the academic year as on:

- Ist IQAC Meeting (Chalking of Action Plan and Goals)   06.07.16

- IIst IQAC Meeting (Intermediate Monotoring)   10.12.16

- IIIst IQAC Meeting (Assessment of Outcomes)   09.03.17

- IVth IQAC Meeting (Assessment of Outcomes)   02.05.17

➢ 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.

- ➢ The IQAC has suggested to organize special events in the institutional/university level to exhibit student project works carried out in the year.

- ➢ The IQAC has established suitable channels to work closely with Balaji Clinical Society Meeting (CSM) for continuous and lifelong learning for professional excellence.

- ➢ The IQAC also works closely with Nursing Education Unit and the Centre for Continuous and Lifelong learning for Professional excellence (CCLPE) of the Sree Balaji College of Nursing in conducting faculty development programmes.

- ➢ IQAC has presented an improved Proctor System to enable one to one interaction of students with the teachers and mentors.

- ➢ IQAC has insisted the need to increase the number of reviews of department level academic activities by the respective heads per annum.

- ➢ IQAC has identified and suggested to increase the total number of Students Chapters of various professional societies at all institutions of BIHER.

- ➢ 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 colloborations in terms of:
  - Research level.
  - Improving employability.
  - Colloborated 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 Whether the AQAR was placed in statutory body   Yes   No

Management ☑   Syndicate ☐   Any other bod ☑ | Board of Management |

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	68	-	68	-
PG	47	01	47	-
UG	25	02	25	-
Super Speciality	-			
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	01	-	01	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	141	03	141	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: Choice Based Credit System
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	141
Trimester	-
Annual	-

1.3 Feedback from stakeholders: Alumni ✔ Parents ✔ Employers ✔ Students ✔

Mode of feedback   : Online ✔ Manual ✔

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

➢ Revised regulations for PhD 2017 was drafted and approved.

➢ Curriculum and syllabi of B.Tech programs were revised and updated.

➢ PEOs and Pos of B.Tech (Mechanical), B.Tech (ECE), B.Tech (EEE) and B.Tech (Civil) were revised so as to fulfil the requirements of ABET, USA and UGC.

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

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of
permanent faculty

Total	Assistant Professors	Associate Professors	Professors	Others
958	631	221	106	-

2.2 No. of permanent faculty with Ph.D.

327

2.3 No. 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	-	11	-	12	-	-	-	65	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

Nil

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	122	381	1208
Presented Papers	103	356	1107
Resource Persons	52	201	538

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

Innovative Processes adopted by BIHER

- ➢ A link namely 'Student Corner' is created to provide updated information on academics, examination, facilities, formats, training and placement, student welfare and e-resources.

- ➢ An android/apple app to connect to the parents to inform them about the attendance, performance in tests and final examinations and other academic matters that must be communicated to the parents.

- ➢ Use of Webinars to share knowledge and promote understanding of the subjects.

Innovative Processes adopted by BIST

- ➢ Use of Information and Communication Technologies.

- ➢ Case studies discussion of the engineering subjects by visiting faculty from the industries and employers of the university.

Innovative Processes adopted by SLIMS

- Participatory method of learning in and out the classroom, bedside teaching in OPD, OT and Wards.
- Use of Information and Communication Technologies to explain complex surgical procedures.
- Simulation model for learning radiographic techniques.
- Case scenarios recorded in CD form for teaching learning and evidence based learning.
- Viva cards for oral examination.
- SOPs for each treatment protocol.
- Problem based learning (PBL) through group discussion.

Innovative Processes adopted by SBMCH

- Students are taught to apply the knowledge gained in Biochemistry.
- Case based learning modules have been developed for MBBS Students.
- Hands on training on cadaveric surgery.
- Clinicopathological meetings.

Innovative Processes adopted by SBCP

- Two minor research projects for I year B.P.T students to provide exposure to the students towards research.
- Weekly clinical case presentation translating theory into practise with reasoning skills, followed by written evaluation.

Innovative Processes adopted by SBDCH

- Learner centric experience based practical approaches.
- Use of computers, internet and models in technology incorporated smart class rooms.
- Didactic lectures, Case Presentations and Group discussions are used.

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

217

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

- Computerised Management of Student Registration to Courses and Faculty under CBCS system.
- Computerised examination planning, conducting and monitoring system.
- Work of examination section is computerized. This facilitates declarations of results within two to three weeks from the date of last examination.
- A mobile app to inform the students about his seat/hall number and other examination related details.

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

638

2.10 Average percentage of attendance of students

87

2.11 Average pass percentage:

82

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

➢ Online feedback from students, peers, external experts are obtained, analyzed and appropriate actions are taken.

➢ IQAC does analyses of feedback by students on teacher quality, teaching methods etc. and provides inputs / suggestions for improvements in the IQAC meetings.

➢ Monthly assessment and feedback of undergraduates ands post graduates is monitored by respective heads of the department and Deans.

➢ IQAC with periodic meetings with librarian ensures of due books and journals are available, each academic year budgeting allocations are made for purchase of books and subscription to journals.

➢ Academic activities such as research update clinical case presentation, staff meeting department activities, patient records, case study reports, daily subject wise attendance, journal club, student council and their relevant details re recorded by concerned faculty, responsible and the principal signature with college seal ensures of proper monitoring recording, evaluation are recorded by the department IQAC coordinator and compiled in the Department Annual Quality Report (DAQR) submitted to IQACs of the respective institution.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	300
UGC – Faculty Improvement Programme	17

HRD programmes Soft Skills Training Stress Management Program & Ergonomics Rights & Responsibilities of Faculty and Students Attribute Training Based On Appraisal Feedback	126 28 12 06
Orientation programmes	31
Faculty exchange programme	02
Staff training conducted by the university	52
Staff training conducted by other institutions	14
Summer / Winter schools, Workshops, etc.	18
Others Preparation for NAAC Accreditation Live fire Demo Occupational hazard	06 06 15

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	153	-	11	-
Technical Staff	352	-	51	-

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 consulancy revenue generated

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	33	23	38	77
Outlay in Rs. Lakhs	407	468	1532	1428

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	93	34	28	43
Outlay in Rs. Lakhs	1595	1345	1632	1109

3.4 Details on research publications

	International	National	Others
Peer Review Journals	385	1239	22
Non-Peer Review Journals	463	2459	-
e-Journals	-	536	-
Conference proceedings	982	4538	-

3.5 Details on Impact factor of publications:

Range [0-8] Average [2.25] h-index [51] Nos. in SCOPUS [1237]

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	138
Minor Projects	-	-	106	52
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	55	46
Projects sponsored by the University/ College	-	-	850	135
Students research projects *(other than compulsory by the University)*	-	-	126	126
Any other(Specify)	-	-	-	-
Total	-	-	1408	496

3.7 No. of books published   i) With ISBN No.   [37]   hapters in Edited Books   [46]

ii) Without ISBN No.   [435]

3.8 No. of University Departments receiving funds from

UGC-SAP   [-]   CAS   [-]   DST-FIST   [-]

DPE   [-]   DBT Scheme/funds   [1]

3.9 For colleges   Autonomy   [-]   PE   [-]   BT Star Scheme   [-]

INSPIRE   [-]   CE   [-]   Other (specify)   [-]

3.10 Revenue generated through consultancy   [525 Lakhs]

3.11 No. of conferences organized by the Institution

Level	International	National	State	University
Number	17	66	17	93
Sponsoring agencies	BIHER	BIHER	BIHER	BIHER

3.12 No. of faculty served as experts, chairpersons or resource persons   [381]

3.13 No. of collaborations   International   [04]   National   [09]   ny other   [13]

[8]

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency | 53 | From Management of University/College | 1382 |

Total | 1435 |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	102
	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
27	06	08	42	32

3.18 No. of | 270 | faculty from the Institution

who are Ph. D. Guides
and students registered under them | 536 |

3.19 No. of Ph.D. awarded by faculty from the Institution | 23 |

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

JRF | 104 | SRF | - | Project Fellows | - | Any other | - |

3.21 No. of students Participated in NSS events:

University level | 182 | State level | 132 |

National level | 122 | ternational level | - |

3.22 No. of students participated in NCC events:

University level | 183 | State level | 381 |

National level | 52 | International level | - |

3.23 No. of Awards won in NSS:

University level | 14 | State level | 54 |

National level   International level

3.24 No. of Awards won in NCC:

University level [18] State level [04]

National level [02] International level [-]

3.25 No. of Extension activities organized

University forum [22] College forum [65]

NCC [04] NSS [09] ny other [-]

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

S.NO	REGULAR AND SPECIAL CAMP ACTIVITIES
1	**Blood Camp 2016-2017** Blood Donation camp was conducted on 30thAugust 2016 at"BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH SELAYIUR
2	**Blood Donation Voluntarism Registration** Blood Donation Voluntarism Registration held on 1st October 2016 at SELAIYUR
3	**Medical Camp 2016-2017** The Free Comprehensive Health Check-Up Camp Was Held on 13th AUGUST 2016 at "Thiruvencherry" Village and Jointly Organized Lions Club of Tambaram Unit and Saveetha Dental College and Hospital Chennai.
5	**Voting pledge** VOTING PLEDGE held at BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH SELAIYUR ON 25th January 2017
6	**Orientation Program** Orientation program on Revolution in Volunteerism was Held on 8thFeburary 2017 at Bharath Institute of Higher Education And Research Selaiyur, Chennai.
7	**Science Day Rally** Science Day Rally was held on 28thFebruary 2017 at Vengambakkam Village on the Day our NSS UNIT creating awareness among public.
8	**University Campus Cleaning** Nss Volunteers Cleaning the University Campus on 2nd march 2017 at Bharath Institute of Higher Education And Research,Chennai
9	**Women's day celebration**

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	498	12	Trust	510
Laboratories	476	5	Trust	481
Seminar Halls	73	3	Trust	76
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	163	21	Trust	184
Value of the equipment purchased during the year (Rs. in Lakhs)	3529	154	Trust	3683

4.2 Computerization of administration and library

- ➢ Fully computerised operation of the library
- ➢ Additional systems for library management provided
- ➢ Moving towards paperless office
- ➢ RFID in process

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments
Existing	3986	46	100 MBps - 2 GBPS	3	17	25	227
Added	130	5	2 GBPS	-	4	-	3
Total	4116	51		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.)

- ➢ Adequate computer access to faculty/staff/students
- ➢ Training to faculty/staff/students on ICT
- ➢ Wi-Fi enabled campus
- ➢ Moving towards paperless office
- ➢ e-varsity

➢ e- management

4.6 Amount spent on maintenance in lakhs :

   i) ICT | 25 |

   ii) Campus Infrastructure and facilities | 376 |

   iii) Equipments | 62 |

   iv) Others | 78 |

                              Total : | 541 |

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

➢ Effective functioning of Anti-Ragging Cell.
➢ Conducted orientation programmes for 1ˢᵗ B.Tech /B.Arch
➢ Health card for subsidized treatment.
➢ Grievance cell for students.
➢ Orientation for Iˢᵗ MBBS, Interns and PG.
➢ Students representatives are involved in IQAC of institutes and of University.
➢ Initiation in establishing 24 hours helpline for students.
➢ Assistance for education loan.
➢ Provision of university, government scholarship by NGO.

5.2 Efforts made by the institution for tracking the progression

➢ 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.

➢ Regular formative and summative assessments for UG and PG.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
5545	752	536	-

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
7641	244	86	625	01	8597	5621	362	92	753	05	6833

(b) No. of students outside the state | 3526 |

(c) No. of international students | 04 |

Men
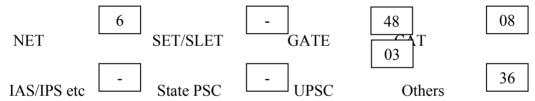| No	%
3	75

Women
No	%
1	25

Demand ratio 1:20 Dropout %: 0.75%

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

  ➢ UG students are given coaching for Civil service examinations.

  ➢ 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

  ➢ 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 562

5.5 No. of students qualified in these examinations

NET 6 SET/SLET - GATE - CAT 48 08

IAS/IPS etc - State PSC - UPSC - Others 03 36

5.6 Details of student counselling and career guidance

  ➢ Personality development programs conducted

  ➢ Training program for recruitment

  ➢ Entreperneurship program

  ➢ Guest Lectures for Career Guidance

  ➢ Every year the outgoing batches of UG and PG students have been arranged for a carrier guidance programme.

No. of students benefitted 5321

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
108	932	916	12

5.8 Details of gender sensitization programmes

Women Empowerment cell takes initiative in organising programs like:
- Health awareness
- Training on Self defence
- National girl child day celebration at Institute.

5.9 Students Activities

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

State/ University level `562` ational level `321` rnational level `01`

No. of students participated in cultural events

State/ University level `982` ational level `852` rnational level `5`

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

Sports : State/ University level `362` ational level `282` rnational level `01`

Cultural: State/ University level `42` National level `36` rnational level `01`

5.10 Scholarships and Financial Support

	Number of students	Amount in lakhs
Financial support from institution	4132	1183
Financial support from government	123	61.46
Financial support from other sources	151	95.8
Number of students who received International/ National recognitions	04	12.0

5.11 Student organised / initiatives

Fairs : State/ University level `53` ational level `04` ternational level `01`

Exhibition: State/ University level `32` ational level `19` ternational level `02`

5.12 No. of social initiatives undertaken by the students `282`

Criterion – VI

6. Governance, Leadership and Management

6.1 Does the Institution has a management Information System

Yes, on

➢ All India Entrance Examination – Information on the date, time and location of examination, hall ticket and results are sent through a mobile application.

➢ 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 10th edition.

➢ Records of digital diagnostic and imaging systems like CT SCAN, MRI, Ultrasonography, X-ray etc. are maintained and updated regularly.

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

6.3.1 Curriculum Development

➢ Academic Regulations and Curricula undergo revision periodically once in 3years. However, updates are done with continuous interaction and obtaining feedback from students & employers without waiting for the periodicity. Curricula, syllabi updated as when required. The Board of Studies members comprising of experts from other leading institutions, industries and alumni.

➢ Feedback from alumni, board of studies, tie-up institution, faculty used for curriculum development.

6.3.2 Teaching and Learning

➢ The new faculty are given orientation on teaching methodology whenever new subject is introduced.

➢ 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.

➢ 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 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.

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.

- Notifications regarding examinations and results on University Website.

- Biometric analyses and photo identification of the candidates is done during the writing of examination.

- The processes of entry of marks, generation of result sheets, generation of marks cards, provisional degree certificates, etc. are totally computerized.

- Clinical skill laboratory for evaluation of clinical skills.

- Announcement of University examination results through SMS/E-mail and mobile

application.

6.3.4 Research and Development

➢ Academic Research- The regular Ph.D scholar progress is reviewed once in 6 months by asking them to give seminar.

➢ R&D-There is a screening committee for scrutinising the R&D proposals submitted by the faculty members to the external funding agencies. The progress of the R&D projects are continuous monitored at the institution level. There is also a screening committee for scrutiny the research papers for possible application in the journals and presentation in the conference.

➢ Institute Research cell, under the Chairmanship of R & D Director meets regularly.

➢ Various committees are involved in monitoring research activities like Ethics committee for human and animal studies, Synopsis review committee and Dissertation Review Committee etc.

➢ Faculty is encouraged for scientific research, paper presentations and publications.

➢ 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.

6.3.5 Library, ICT and physical infrastructure / instrumentation

➢ KIOSK is operational at the entrance of the library for extended hours.

➢ 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.

➢ Department Library Service.

➢ 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.

- Teaching and non teaching faculty recruitment is based on merit and as per UGC guidelines.

- Fee concession for faculty and their dependents.

- Free Medical treatment for the Staff and for their family members.

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.

- 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 conductive 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.

➢ Inviting industrial experts to interact with the students to develop entrepreneurial skills.

➢ The university has entered into MOUs with various national and international industries to carry out collaborative research projects and consultancy.

6.3.9 Admission of Students

➢ 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.

6.4 Welfare schemes for

Teaching	➢ Gratuity
	➢ Health insurance scheme
	➢ Staff quarters
	➢ EPF/PPF
Non teaching	➢ Health insurance scheme
	➢ Gratuity
	➢ EPF/PPF
	➢ Staff quarters
Students	➢ All the students are covered under Medical insurance

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.
- Issue of Xerox copy of Answer Scripts.
- Double valuation.
- 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.
- Mobile phones are strictly prohibited in examination and evaluation halls.
- Mobile Phone JAMMERs are placed in the examination halls.
- 100% 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?

- All constituent Institutions have separate academic calendar and planning.
- 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.

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.

➢ Felicitates distinguished alumni and invites them for guest lectures.

➢ 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.

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

➢ Feedback forms are obtained from parents on curriculum, teaching lerning process and general administration.

6.13 Development programmes for support staff

➢ Need based training and skill based training are arranged for the support staff.

➢ Basic Computer Training program is conducted for support staff.

➢ Skills training for Technical and Para medical staff.

➢ Conduct training on Maintaining Good Records.

➢ Awareness program for Fire, Bio- medical waste Management and personal hygiene.

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

➢ Plastic free campus, tobacco free campus, paper less administration, tree plantation around Pallikarnai and SelaiyuR Campuses, waste segregation, noise free zones.

➢ The entire campus is eco-friendly with good walking tracks.

➢ The campus has solar panels at multiple places.

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.

- ➢ The institute has publishe a mobile application that facilitates timely, error free and paperless communication among the university, students, parents and other stakeholders.
- ➢ Introduction of Term Paper for UG programs and exposure to research environment at a very stage of tertiary education.

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

- ➢ Secured many high rankings in NIRF, 2016 as planned in the early years.
- ➢ Computerised the process of CBCS.
- ➢ Applied for ABET accreditation.

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

> ➢ Mentor-Mentee (Faculty Advisor)
> ➢ Fully computerised CBCS for Engineering Programs

7.4 Contribution to environmental awareness / protection

- ➢ 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.
- ➢ 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.

7.5 Whether environmental audit was conducted?   Yes.

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