



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
Name of the head of the Institution	V.KANAGASABAI
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	044-22290742
Mobile no.	9840352860
Registered Email	registrar@bharathuniv.ac.in
Alternate Email	vc@bharathuniv.ac.in
Address	173, Agaram Road, Selaiyur, Chennai.
City/Town	Chennai
State/UT	Tamil Nadu
Pincode	600073

2. Institutional Status																			
University			Deemed																
Type of Institution			Co-education																
Location			Rural																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr .M. Sundararajan																
Phone no/Alternate Phone no.			04422290742																
Mobile no.			9840352860																
Registered Email			deanresearch@bharathuniv.ac.in																
Alternate Email			msrajan69@gmail.com																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			https://www.bharathuniv.ac.in/iqac/biher4.php																
4. Whether Academic Calendar prepared during the year			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			https://www.bharathuniv.ac.in/iqac/accaendar/																
5. Accreditation Details																			
<table border="1"> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> <tr> <td>2</td> <td>A</td> <td>3.20</td> <td>2015</td> <td>16-Nov-2015</td> <td>15-Nov-2020</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	2	A	3.20	2015	16-Nov-2015	15-Nov-2020
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
2	A	3.20	2015	16-Nov-2015	15-Nov-2020														
6. Date of Establishment of IQAC			12-May-2003																
7. Internal Quality Assurance System																			
<table border="1"> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> <tr> <td>Outcome Based Education</td> <td>04-Dec-2018</td> <td>86</td> </tr> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries	Outcome Based Education	04-Dec-2018	86					
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Outcome Based Education	04-Dec-2018	86																	

	2	
Introduction and Process of Academic Audit	02-Apr-2019 2	121
View File		

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
SREE BALAJI DENTAL COLLEGE AND HOSPITAL	FIST	DST	2018 5	4500000
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

No

Upload the minutes of meeting and action taken report

No Files Uploaded !!!

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

ABET Accreditation Introduction of New Programme Agriculture Skill development in Revised Curriculum Separate International Relationship office Significant Ranks in NIRF Rankings

No Files Uploaded !!!

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
Academic Calendar	Academic Calendar strictly implemented with minor deviation

No Files Uploaded !!!

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body

Meeting Date

Academic Council

25-Sep-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

23-Apr-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

05-Feb-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

The management information system, namely, CAMU is used for academic and administrative management. The CAMU includes the modules for Student Information System (SIS), Learning Management Solutions (LMS), Virtual Class Rooms, Outcome Based Management (OBE), Choice Based Credit System (CBCS), Accreditations Management, Controller of Examinations (CoE), Fee management (K12) and a dedicated Mobile App

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	BTECHEC	ELECTRONICS AND COMMUNICATION ENGINEERING	24/04/2018
BTech	BTECHCS	COMPUTER SCIENCE AND ENGINEERING	23/04/2018

[View File](#)

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BA	English	09/07/2018	U18BA001	09/07/2018
View File				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc Trauma care management	Health science	18/07/2018
BPharm	Pharmacy	18/07/2018
View File		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BPharm	Pharmacy	18/07/2018
BSc Trauma care management	Health science	18/07/2018
BA	Tamil	11/06/2018

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Control of power converters using Digital Signal Processor	04/07/2018	45
Certificate course on Arduino Robotics	04/07/2018	40
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	247
BTech	Mechanical Engineering	366
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes

Parents	Yes
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1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

The feedback is collected through both online and offline mode. Feedback is collected from all the stake holders including Students, Parents, Alumni, Faculties, Employers, Industries, external examiners etc. Feedback is collected periodically at the end of the semester for evaluating teaching learning process. Feedback is collected for the process of revision of Curriculum, Syllabus, PEOs and introduction new programs/courses from appropriate stake holders. Feedback is also collected after the events such as seminars, workshops, conferences etc. Feedback reports prepared using feedback analysis tools and the reports are sent to the respective department heads/deans/administrators for further action. The IQAC coordinators of constituent colleges monitor the corrective action taken based on the feedback and discussed in IQAC meetings. Feedback is collected on research activities, research programs and research guidelines, regulations are drafted based on the feedback. Student support services are regularly upgraded based on the feedback from the end users.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBBS	Medicine	350	369	350
BTech	All Disciplines	2350	5789	2396
BCA	Computer Application	1	1	1
BSc	Science	1	1	1
MA	Arts	1	1	1
BPT	Physiotherapy	1	1	1
MSc Nursing	Nursing	1	1	1
BSc Nursing	Nursing	1	1	1
BArch	Business Applications	68	27	30
MArch	Architecture	18	58	20
BBA	Business Applications	1	1	1
BCom	Commerce	1	1	1
BA	Arts	1	1	1
MCA	Computer Application	60	86	32
BA LLB	Law	1	1	1
LLB	Law	1	1	1
MBA	Business	120	165	100

	Applications			
Mtech	All Disciplines	290	564	36
View File				

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	13284	1056	597	52	610

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
1259	1259	32	284	96	32

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Use of Information and Communication Technologies. Use of Webinars to share knowledge and promote understanding of the subjects.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6000	200	1:30

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
56	56	0	56	36

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. Emerson Solomon	Professor	Best Teacher Award

[View File](#)

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	All Discipline	II/I	06/05/2019	30/07/2019
Mtech	All Discipline	IV/II	22/04/2019	04/06/2019
BA LLB	Law	II/I	06/05/2019	30/07/2019
BA LLB	Law	IV/II	06/05/2019	30/07/2019
BA LLB	Law	VI/III	22/04/2019	04/06/2019
BBA	Business Applications	IV/II	06/05/2019	30/07/2019
BBA	Business Applications	VI/III	22/04/2019	04/06/2019
MBA	Business Applications	II/I	06/05/2019	30/07/2019
MBA	Business Applications	IV/II	22/04/2019	04/06/2019
BTech	All Discipline	II/I	06/05/2019	30/07/2019
BTech	All Discipline	IV/II	06/05/2019	30/07/2019
BTech	All Discipline	VI/III	06/05/2019	30/07/2019
BTech	All Discipline	VIII/IV	22/04/2019	04/06/2019
MCA	MCA	II/I	06/05/2019	30/07/2019
MCA	MCA	IV/II	22/04/2019	04/06/2019
Mtech	All Discipline	I/I	03/12/2018	05/02/2019
Mtech	All Discipline	III/II	05/11/2018	05/02/2019
BA LLB	Law	I/I	03/12/2018	15/02/2019
BA LLB	Law	III/II	05/11/2018	05/02/2019
BA LLB	Law	V/III	05/11/2018	05/02/2019
BTech	All Discipline	I/I	03/12/2018	15/02/2019
BBA	Business Applications	I/I	03/12/2018	15/02/2019
BBA	Business Applications	III/II	05/11/2018	05/02/2019
BBA	Business Applications	V/III	05/11/2018	05/02/2019

MBA	Business Applications	I/I	03/12/2018	15/02/2019
MBA	Business Applications	III/II	05/11/2018	05/02/2019
BTech	All Discipline	III/II	26/11/2018	15/02/2019
BTech	All Discipline	V/III	26/11/2018	15/02/2019
BTech	All Discipline	VII/IV	05/11/2018	05/02/2019
MCA	MCA	I/I	03/12/2018	15/02/2019
MCA	MCA	III/II	05/11/2018	05/02/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	3159	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.bharathuniv.ac.in/colleges1/downloads/curriculum%20&%20syllabus.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MBBS	MBBS	Medicine	320	318	99
BTech	BTech	All Discipline	2320	2306	99
BCA	BCA	Computer Applications	65	64	98
BSc	BSc	All Discipline	55	50	91
BSc Nursing	BSc Nursing	Health Science	45	42	93
BArch	BArch	Architecture	35	28	80
MArch	MArch	Architecture	30	26	87
BBA	BBA	Business Applications	80	78	98
BCom	BCom	Commerce	45	38	84
BA	BA	Arts	85	79	93

MCA	MCA	Computer Applications	60	55	92
BPT	BPT	Physiotherapy	40	35	88
MCA	MCA	Computer Applications	50	45	90
BA LLB	BA LLB	Law	50	45	90
LLB	LLB	Law	45	30	67
MBA	MBA	Business Applications	75	65	87
MTech	Mtech	MTech	120	115	96
View File					

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://docs.google.com/forms/d/e/1FAIpQLScXw3X2wctwsmOxusJbR5LaYpb01amZj5AiUvo2IEDwyG5hlg/viewform>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	NIL	NIL	04/12/2019	NIL
View File				

3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Senior Research Fellowship	360	BIHER
View File		

3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	1085	Accord Distilleries	15	5
View File				

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
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IPR Sensitization Workshop	LAW	24/10/2018
Workshop on Filing Patents	IQAC	13/12/2018
View File		

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Four wheel steering	V. Srinivasan	Automotive Components Designers	11/09/2018	Private
View File				

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Bharath Technology Incubation Centre	BTIC	BIHER	AP Naveen Raj Enterprise	Services	04/11/2018
View File					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Biotechnology	2
Civil Engineering	2
Computer Application	1
Computer Science and Engineering	20
Electronics and Communication Engineering	6
Electrical and Electronics Engineering	1
Information Technology	1
Management Studies	7
Mechanical Engineering	3
Medical Sciences	6
Science and Humanities	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	142	3.78
View File			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mechanical Engineering	35
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
ENGINE COMBUSTION CHAMBER THERMOGRAPHY DETECTION	Published	201841049243	02/08/2019
View File			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Effect of injection pressure and injection timing in performance and emission characteristics in diesel engine using blend of methyl esters of algae	Naresh V et. al	International Journal of Mechanical and Production Engineering Research and Development	2018	0	Department of Automobile Engineering, BIHER	0
View File						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Effect of injection pressure and injection timing in performance and emission characteristics	Naresh V et.al	International Journal of Mechanical and Production Engineering Research and Development	2018	9	0	Department of Automobile Engineering, BIHER

tics in di engine using blend of methyl esters of algae						
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Semi nars/Workshops	1745	1327	1122	1829
Presented papers	1528	374	266	1689
Resource persons	117	59	36	274

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Hotel Management	Hotel Booking Tools	Accord Hotels	320000

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Automobile	Joint Certification Programme	BOSCH	1275000	52

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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	Lions Club	6	200

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Road Safety	Best University	Road Users Club	25

Awareness	Champion	Tambaram			
View File					
3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year					
Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities	
Clean Campus Green Campus	NSS	Campus Cleaning	4	62	
View File					
3.7 – Collaborations					
3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year					
Nature of activity	Participant	Source of financial support	Duration		
Staff Exchange Program	Dr Brindha	BIHER	14		
View File					
3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year					
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Research	Hotel Management Solutions	Accord hotels and resorts	17/04/2019	24/04/2019	32
View File					
3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year					
Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs		
Tenshi Life Care Pvt.Ltd	14/12/2018	Research	42		
View File					
CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES					
4.1 – Physical Facilities					
4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year					
Budget allocated for infrastructure augmentation			Budget utilized for infrastructure development		
38439600			48439600		
4.1.2 – Details of augmentation in infrastructure facilities during the year					
Facilities			Existing or Newly Added		

Campus Area	Newly Added
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AutoLib	Fully	32GF	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	148273	51895550	20000	6000000	168273	57895550
Reference Books	48000	14400000	10224	3578400	58224	17978400
e-Books	15000	3000000	10000	1500000	25000	4500000
e-Journals	1433	3582500	1000	3000000	2433	6582500
Digital Database	89563	223907500	89773	224432500	179336	448340000
CD & Video	2691	134550	1000	101460	3691	236010
View File						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
F Emerson Soloman	Anatomy and Physiology	BIHER Lecture Capturing System	05/07/2018
D Sharmila	Food Process Engineering	BIHER Lecture Capturing System	10/07/2019
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwidt h (MBPS/ GBPS)	Others
Existin g	3986	46	100	3	17	25	227	100	0

Added	130	5	2	0	4	0	3	0	0
Total	4116	51	102	3	21	25	230	100	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
BIHER Lecture Capturing System	https://www.bharathuniv.ac.in/library.php

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
78325600	1456789	181475900	214918571

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The university ensures that, in the annual budget, sufficient funds are allotted for upgrading, maintaining and utilising the physical, academic and support facilities. At the beginning of every academic year, the budget required is collected from the academic departments, library, Dean (Sports), Dean (Hostels), ITES Team and Dean (Campus Life). The utilisation of funds are periodically monitored by finance department through administrative audits. The Intra network, website, wifi and all other IT related services and facilities are maintained by ITES management team. The general maintenance operations such as water supply, sanitation, gardening, uninterpreted power supply and electrical auxiliary systems etceteras are managed by the Dean (Campus Life) of the university and that of constituent colleges. The common academic facilities such as Auditoriums/Conference Halls etc. are monitored by the respective Deans, and maintained by Dean (Campus Life). All the sports facilities such as tracks, gymnasiums, outdoor and indoor stadiums are maintained and monitored by the sports department of the respective constituent colleges. The Sports facilities are annually added/upgraded and maintained by the Director-Sports. The utilisation of the sports facilities by the students are monitored and deserving students are encouraged to participate national and International level events and their request for additional/special sports equipments fulfilled. The library is headed by Dean (Learning Resources) and managed through a computer software. The software maintains the stock of books, books in issue/returned etc. and records/analyses the utilisation of the library resources. The library is upgraded annually as per the requests/suggestions for purchase of new books/journals/periodicals/e-learning resources given by the academic and research departments and also feedbacks from the stakeholders. The laboratories are maintained by the respective departments by the Technician in-charge (for preventive and breakdown maintenance and utilisation), Faculty in Charge (for upgrading/purchasing equipment and research activities) and the HoDs. Utilisation of lab facilities for academic and research purposes are ensured and planned by HoDs,, through stock and utilisation management procedures/register, and the respective Deans. The academic facilities such as

ICT tools, class rooms, department library, department office and other common facilities are maintained by the respective HoDs. Feedbacks are collected from the stakeholders on maintenance/utilisation and up gradation of all university physical, academic and support facilities periodically and as and when required.

<https://www.bharathuniv.ac.in/administration.php>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	BIHER Scholarship Scheme	4282	117900000
Financial Support from Other Sources			
a) National	STATE Scholarships	85	42130000
b) International	OTHER COUNTRY	40	2000000
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Personal Counselling	06/08/2018	436	Department of Management Studies
Yoga	26/07/2018	523	Department of Pshycology
Stress Management during Examinations	02/08/2018	465	Department of Pshycology, SBMCH
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Cracking Exams	656	343	234	433
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
4	4	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Accord Group of Companies	749	702	6	1781	1705
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	24	BTech	Aeronautical Engineering	Hindustan University	MTech
2018	15	BTech	Automobile Engineering	SRM University	MTech
2018	23	BTech	IT	Periyar University	MTech
2018	45	BTech	CSE	Anna University	MTech
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	45
SET	54
SLET	65
GATE	23
GMAT	56
CAT	45
GRE	67
TOFEL	22
Civil Services	78
Any Other	8
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Taekwondo (Men)	All India Inter University	52
Yoga	All India Inter University	54

Fencing	All India Inter University	45
Basket Ball (Men)	South Zone	56
Swimming(Diving)	All India Inter University	45
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	NIL	National	Nill	Nill	Nill	NIL
2019	NIL	Internat ional	Nill	Nill	Nill	NIL
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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. 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. The committees are: 1 NRI Students 2 NSS Cell 3 Railway Passes 4 Transport 5 Boys Hostel 6 Girls Hostel 7 Discipline 8 AntiRagging 9 Canteen and Cafeteria 10 Girls Hostel Advisory 11 Boys Hostel Advisory 12 Students' Grievance Redressal 13 IEEE Chapter 14 SAE Chapter 15 Women's Forum 16 Employees' Grievance Redressal Committee 17 Against Sexual Harassment 18 Power Supply 19 Gardening 20 Alumnus Cell 21 Sports Department 22 Central Stores 23 Purchases 24 Information Technology 25 Hardware Computer Network 26 Construction 27 Safety Committee 28 Maintenance Aspects 29 Web Committee 30 Library Advisory Committee 31 University ERP 32 Energy Audit and Control 33 BU Newsletter Editorial Board 34 BU Ombudsman

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

BIHER Alumni Association has members of more than 10,000 and BIHER Alumni Association has conducting meeting every year with different levels and Contributions to the Institution always welcomed and noted contributions were made by the alumni every years. BIHER Alumni being organised by a dedicated Professor

5.4.2 – No. of registered Alumni:

3437

5.4.3 – Alumni contribution during the year (in Rupees) :

1289348

5.4.4 – Meetings/activities organized by 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.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Case Study Recruitment Process for faculty members Recruitment of faculty is one of the important processes in the institute in which even an iota of nepotism or any consideration other than pure merit will undermine and vitiate the system with lasting adverse consequences. Therefore institute has made it a very transparent processes fully carried out by the faculty members down the line with only formal approval given by the Vice Chancellor and the management has no say in it. For this purpose a committee called

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
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. elearning facilities like Smartech with online 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.
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.

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.

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.

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, tieup institution, faculty used for curriculum development.

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.

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/Email and mobile application.

Research and Development

Academic Research The regular Ph.D scholar progress is reviewed once in 6 months by asking them to give seminar. RDThere is a screening committee for scrutinising the RD proposals submitted by the faculty members to the external funding agencies. The progress of the RD 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.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area

Details

Planning and Development	We have sophisticated Enterprise Resource Planning system for Planning and development
Administration	We have sophisticated Enterprise Resource Planning system for Administration processes of the university.
Finance and Accounts	All the financial operations and accounting are carried out using the ERP system.
Student Admission and Support	The admission processes are through the ERP. In addition to that students have individual login credentials and have guidance and access to all student support services
Examination	The planning and conduct of Examinations are carried out by the ERP. The process of evaluation and compilation and declaration of results are carried out by the ERP.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Raja	Workshop on Electronic Fuel Injection Systems	SAE India	6500
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Awareness program for Fire, Bio medical waste Management	Awareness program for Fire, Bio medical waste Management	17/12/2018	19/12/2018	56	34
2019	Computer Training program	Computer Training program	20/05/2019	22/05/2019	45	33

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Outcome Based Education	123	13/07/2018	14/07/2018	2
View File				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
82	82	145	145

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
5	9	5

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

BIHER has qualified Chartered Accountants(internal Auditors) to supervise the Internal Audit Functions and they ensure that all the procedures and guidelines set by the Board of Governance and Management are strictly adhered to while carrying out the transactions. The Chartered Accountants also ensure that the recording of transactions are carried out in the ERP and participate in the purchase procedure/approval of purchases initiated by the respective Dean / Directors of the faculty. Apart from the above BIHER has two External Internal Auditors who represent very reputed practicing Chartered Accountants Firm for carrying out the Procedural, Transaction and compliance Audit

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Non Government Bodies	27453900	outreach Programmes
View File		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

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

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if

applicable)

- 1.All constituent Institutions have separate academic calendar and planning.
- 2.The internal examinations are conducted as per timetable of respective Institutes.
- 3.The head of the constituent Institutes are given autonomy to decide on all curricular, co curricular and extracurricular decisions.

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

- 1.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
- 2.Feedback forms are obtained from parents on curriculum, teaching learning process and general administration.

6.5.4 – Development programmes for support staff (at least three)

- 1.Need based training and skill based training are arranged for the support staff.
- 2.Basic Computer Training program is conducted for support staff.
- 3.Skills training for Technical and Para medical staff.
- 4.Conduct training on Maintaining Good Records.
- 5.Awareness program for Fire, Bio medical waste Management and personal hygiene.

6.5.5 – Post Accreditation initiative(s) (mention at least three)

Streaming of Internal Promotion Process Reformns in Central Valuation Process
Tracing of funds received on account of sponsored research Projects

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Outcome Based Education for Engineers	05/11/2018	04/12/2018	05/12/2018	86
2019	Introduction and Process of Academic Audit	04/03/2019	02/04/2019	03/04/2019	121
View File					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male

Workshop on Gender, Health and Marginalisation	11/09/2018	12/09/2018	45	38
Workshop on Gender Sensitization	29/01/2019	30/01/2019	65	55
Seminar on Sexual Harassment in Organisation	10/12/2018	10/12/2018	121	42
Women's Rights and Access to criminal Justice System	08/03/2019	08/03/2019	263	76
Seminar On Bodies that Matter, The Ideology of Gender" by department of Management	24/09/2018	24/09/2018	74	29
Self Defence workshop for Girls	19/02/2019	20/02/2019	68	0
Movie Making : Save Girl Child by VISCOM Dept	14/03/2019	14/03/2019	37	21
Export's Lecture on Women Health	09/04/2019	09/04/2019	117	16
Workshop on Gender and Social Work Practice	20/05/2019	21/05/2019	82	47

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
? 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.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	34
Rest Rooms	Yes	23

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	2	4	09/01/2019	2	Road Safety Program	Increasing number of accidents on the newly laid road near the university	56
View File							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Employees Handbook	25/07/2018	Revised Code of Conduct 2018.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Environmental Preservation - Role of Students	01/04/2019	02/04/2019	87
View File			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

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.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

? MentorMentee (Faculty Advisor) ? Fully computerised CBCS for Engineering Programs
Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.bharathuniv.ac.in/igac/bestpractices/

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The institute has published 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.

Provide the weblink of the institution

<https://www.bharathuniv.ac.in/administration.php>

8.Future Plans of Actions for Next Academic Year

a. To become one of the high ranked universities in the world by performing strongly in the parameters of World University Rankings by QS and THE b. To go for accreditation of programs by IET c. Recruitment of world class faculty members d. To achieve the standards on research publications and deliverables on par with the premium institutions in the world e. To go for accreditation of programs by NBA for engineering programs f. To offer more programs to take part in Nation Building and serve the local and regional needs of the society