Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**BHAGWANT INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**DESHMANE ANIL KISHANRAO**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02184-220070**
Mobile no.	**8669605809**
Registered Email	**principal@bitbarshi.edu.in**
Alternate Email	**bitbarshi6781@gmail.com**
Address	**Gat No.1242,Tadsoundane road, Latur-Kurduwadi bypass, barshi**
City/Town	**BARSHI**
State/UT	**Maharashtra**
Pincode	**413401**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Mundhe V L**
Phone no/Alternate Phone no.	**02184220070**
Mobile no.	**9420543864**
Registered Email	**vlm_barshi@rediffmail.com**
Alternate Email	**vlmbarshi@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://bitbarshi.edu.in/pdf/AQAR/pdf

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	http://www.bitbarshi.edu.in/pdf/Institute_Academic_Calender.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.75**	**2019**	**02-Oct-2019**	**01-Oct-2024**

6. Date of Establishment of IQAC

19-Mar-2018

7. Internal Quality Assurance System

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
Conduction of Academic Administrative Audit	**01-Sep-2020 01**	**60**

Embedded-System-Workshop	21-Feb-2020 07	19
Python-Django Training	13-Dec-2019 15	10
FDP on MOODLE learning management System	25-May-2020 05	60
FDP on Communication and ICT	05-May-2020 05	60
[View File]()		

8. Provide the list of funds 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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

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 :	**2**
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)

1. Initiated and completed the pending syllabus in the even semester of academic year 201920 and conduct of internal examinations online mode to handle the pandemic situation. 2. Provision of free access to COURSE MOOCs platform for students and faculty to upgrade their skills during the lockdown period was initiated and succeeded in getting fruitful results. 3. Provision of Hardware and Software facilities to conduct the classwork for 202021 academic year through online mode was initiated. 4. Provision of precautions/measures in the campus against COVID19 unlock was initiated. 5. Initiated extension activity by involving technical expertise under Unnat Bharat Abhiyan.

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	Achivements/Outcomes
To celebrate different days.	Days like Science Day, Women's Day, World Health Day, and World Environment Day were successfully organized.
To sign MoUs with the industries to promote industry institute interaction	04 MoUs were signed.
To promote industrial internships/training for students	Number of students benefitted - 121
To conduct Internal Academic Audit	Internal Academic Audit of sem. 1 was conducted by Internal Assessment Committee during 11/12/2019 to 13/12/2019. Inspection reports were submitted on/before 18/12/2019 while Compliance reports were submitted 27/12/2019 by all the departments.
To celebrate Teacher's Day – (Rewards system)	Teacher's Day was celebrated on 05/09/2019 and rewards were given to best teacher, best class, best GFM, best department, best HoD etc.
To organize induction program for newly recruited faculty members.	Induction program for newly recruited faculty members was conducted.Faculty members were informed about the society and institute as well as about the rules and regulations to be followed. They were informed about the standard procedures and documentation formats for various activities. Session on 'Formation of CO statements and CO attainment calculations' was conducted by IQAC coordinator. All the newly recruited faculty members were taken for the visit of all the departments and common facilities.

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
College Development Committee	02-Jul-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**14-Jan-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Cloud based Enterprise Resource Planning (ERP) Software for automation of academic and non academic processes is used in the institute to maintain and analyze the data related to various processes of institute. List of modules currently operational in the ERP software is as follows: 1. Faculty Profile 2. Students database 3.Teaching plans 4. Time tables (Academic/Class and Personal) 5. Experiments schedule 6. Attendance monitoring 7. Examination schedule 8.Class assignments record 9. Question bank preparation 10. Syllabus coverage monitoring 11. SMS to the parents and students 12. Faculty feedback by students 13. Icard generation 14. Roll call list generation 15. Subject allotment and accessibility authority (Faculty, GFM, Head) 16. Variety of reports pertaining to academic monitoring can be printed**

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Planning for curriculum delivery • The college has prepared a wall hanging calendar in which academic activities are indicated. The calendar is provided to the students, teachers & parents for their reference. • Subject distribution and overall departmental planning is done in advance before going to vacation. • All the faculty members prepare teaching plan & course file of their respective subject. • Two continuous assessment tests and mid semester examination are conducted every semester as a part of continuous assessment system. In semester Evaluation (ISE) Marks are given based on the performance of these tests. • The institute is also following a best practice for the department as a team. Every head of department prepares annual targets for various activities & initiatives of the department. The document is shared & discussed with the faculty members. A review of all the targets is taken frequently. Target compliance report is prepared at the end of academic year & improvements are planned based on this report. Effective Delivery & Assessment

of Curriculum Delivery. Final year projects are selected through the visit to the industry by faculty members. • The sponsored projects on industry problem are allotted to students. Industry mentors are identified for projects of different area & mentoring is done by them for the project. • Project diary is maintained for each project group & it is assessed weekly by the project guide. • Project exhibition is held every year for final year projects. The assessment of completed projects is done by industry persons. Top three projects from every department with innovative ideas get the prizes. • Student feedback about teaching learning is taken by HOD in every semester, generally after completion of one month of teaching. • Feedback meeting is conducted by principal with HOD of each department where suggestions are given to faculty member whose feedback is not up to the mark. • Regular faculty meetings are held by the HODs to review the teaching learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken as and when necessary. • Students are assigned various industries for the completion of their industrial training. Following documents are maintained related to curriculum delivery • Teaching plan of respective subject is prepared by faculty member before commencement of each semester & submitted to HOD. • Course file is maintained for each subject by respective faculty member & it is checked by HOD. • Test record is maintained in the department & communicated to the parents. Result analysis is done after declaration of semester result of university.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NIL	NIL	Nil	Nil	Nil	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Free Elective -I Process Equipment Design	15/07/2019
BE	Free Elective -I Entrepreneurship Development	15/07/2019
BE	Free Elective -I Industrial Robotics (IR)	15/07/2019
BE	Professional Elective-V COSTING & COST CONTROL	15/07/2019
BE	Professional Elective-V Automobile Engineering	15/07/2019
BE	Professional Elective-V Production and Operational Management	15/07/2019
BE	Professional Elective-V Finite Element Method (FEM)	15/07/2019
BE	OPERATIONS RESEARCH	15/07/2019
BE	Refrigeration and Air Conditioning	15/07/2019

BE	Automatic Control Engineering	15/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	MECANICAL ENGINEERING	15/07/2019
BE	CIVIL ENGINEERING	15/07/2019
BE	COMPUTER SCIENCE AND ENINEERING	15/07/2019
BE	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	15/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	Nil	Nil

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
Fy B.Tech Induction Program (DBATU)	01/08/2019	72
Soft Skill Development	09/09/2019	150
Challenges in facing Interviews and their Remedies	15/01/2020	92
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	183
BE	Electronics & Telecommunication Engineering	74
BE	Computer Sciece Engineering	106
BE	Civil Engineering	160
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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

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

Feedback Obtained

The purpose of this Policy is to provide a framework for obtaining, summarizing and documenting information on student and stakeholder perceptions of the quality and effectiveness of the Institute's curriculum for use in program evaluation, accreditation and other academic quality assurance processes and activities. The scope of this Policy covers all the programs run by Bhagwant Institute of Technology Barshi Specifically, this Policy provides a framework for: 1. Monitoring and improving the quality of students' learning experiences through the timely collection, analysis and reporting of student feedback concerning teaching, learning and assessment. 2. Providing students and stakeholders with the opportunity to actively participate in the continual improvement of programs. 3. Recognizing, documenting, supporting and extending good practices for effective implementations of curriculum provided by affiliating University. 4. Ensuring the provision of information to students and stakeholders regarding the consideration of feedback collected over time, including actions taken to address concerns raised in any feedback received. Responsibilities • The department academic Coordinator and the Academic Coordinator are jointly responsible for the collection, analysis and reporting of stakeholder feedback relating to academic programs. • Coordination of responses to feedback will be the responsibility of the Heads of Departments. Policy Provisions General Provisions • All students and stakeholders have the opportunity to provide feedback. • Student feedback is a core component of program evaluation but feedback is also sought from Alumni, Graduates, Parents, • Feedback processes will be systematic, rigorous and respectful of the rights of students and staff and will incorporate strategies to maximize student participation. • A range of feedback mechanisms including surveys, focus groups, informal comments and other participatory activities will be employed as appropriate. Collecting Feedback: • The Institute seeks student feedback in a form which can be captured, analyzed and reported every time a course is delivered through course end survey. • A core set of questions will form the basis of a survey deployed to systematically evaluate teaching and learning in all UG courses. • Stakeholder feedback will be collected as required for specific purposes using methods appropriate for the specific feedback sought. Actions on summarized feedback: • All the feed backs received from various stakeholders are summarized and analysis is carried out at department level. • Recommendations received from the heads are discussed in HODs meeting and forwarded to management for approval/sanctions. The whole objective of the this policy is effective implementation of Curriculum for better learning and continuous improvement of the processes and practices.

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
BE	MECHANICAL ENGINEERING	120	48	48
BE	BE CIVIL EGINEERING	60	60	60

BE	BE COMPUTER SCIENCE AND ENGINEERING	60	60	60
BE	BE ELECTRONICS TEL ECOMMUNICATION AND ENGINEERING	60	29	29

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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
2019	648	Nill	86	Nill	86

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	Numberof smart classrooms	E-resources and techniques used
86	86	17	17	2	17

[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)

Engineering students spend minimum 6 hrs. daily in college during his / her 4 years course duration. So it's very much necessary to become their parent in college. Usually there is variety of students from different regions of Maharashtra, different states of India differing in social, cultural and financial background. In today's world, there are always lot attractions to these students and it's a duty of a teacher, mentor to guide these students in proper way.so that they can become efficient engineer in their field of interest. So in mentorship, every faculty has been allotted 15-20 students to take their care till they pass out from the college. A GFM guides his mentees to solve his / her personal, social, financial problems and also guide him / her to make his career successful in the future. He helps them to nurture their hidden talent and motivate them to do the activities. This scheme definitely lessens the burden of parents to some extent and assures them a confidence that their wards are on correct path. A GFM conducts weekly / fortnightly / monthly meeting with his / her mentees after college hours and also meet them in person to solve their problems. A GFM always remain in touch with the parents of mentees through phone calling or through parent-teacher meeting. Objectives of Mentorship: 1] To Promote the Teacher-Disciple tradition in our culture i.e. Guru-Shishya parampara to address all the issues of students while bridging gaps between Teacher-students- Parents 2] To improve his / her academic record. 3] To motivate him to take part in co-curricular and extra-curricular activities. 4] To guide them to enhance their soft skill and to develop their skill in particular domain. 5] To help them to choose domain of their interest in making successful career. 4. Imp. Instructions to GFMs : 1] A GFM should conduct meeting of all his mentees at least once in a fortnight. 2] A GFM should contact the parents, in case a mentee remains absent without permission of GFM / Class teacher / HoD. 3] A GFM should monitor attendance, academic performance (progress or downfall) of students and inform it to their parents at least once in a month. 4] A GFM should maintain a record of students in a given standard format. 5] A GFM should do the counseling to the students as and when required in case of academic as well as personal problems. 6] A GFM should maintain record of all sessions of GFMship and personal counseling to the students and submit it to the HOD at the end of every semester. 7] A GFM should take strict action against any type of misbehavior or ragging of students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
648	86	1:8

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
86	86	Nill	11	4

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
2019	NIL	Nill	Nill

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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
BE	678119110	2019-20	25/05/2020	15/07/2020
BE	678137210	2019-20	25/05/2020	15/07/2020
BE	67812421 02019-20	2019-20	25/05/2020	15/07/2020
BE	678161210	2019-20	25/05/2020	15/07/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

1. University curriculum offers humanities and technical Self learning courses which are evaluated through end semester evaluation. Additionally, institute is continuously taking efforts to inculcate the habit of self-learning amongst students through online certification courses through NPTEL, MOOC courses on IIT Bombay X platform, Spoken tutorial etc. 2. Projects are assessed by faculty members where students demonstrate their project representing their project idea along with individual communication, leadership, management and team work skills. Parameters for project assessment are innovation, sustainability, field relevance, societal applications, technical proficiency etc. 3. Mock practical tests are carried out at the end of the semester to assess their communication, knowledge, attitude skills. 4. Internal Continuous assessment and term work is assessed on the basis of their performance, attendance, assignment completion, oral test etc. 5. In Semester Exam is assessed on their two internal tests and final assessment is done by taking best of two tests, carried out by respective department.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Institute is affiliated to DBATU and follows academic calendar of DBATU. Before commencement of each semester institute prepares its own academic calendar in-line with university academic calendar. Based on Institute's academic calendar, department prepares its academic calendar showcasing events planned by individual department. Academic calendar of the Institute includes schedule of curricular activities, assessment dates, technical events, class tests, submission of mark lists, list of holidays and extra-curricular activities. Students are then informed about time table and academic calendar. Internal examinations are conducted by all the departments on the dates planned in academic calendar in the first semester test one is conducted in the month of August and second test is conducted in the month of September. In second semester, two tests are conducted in the months of February and March. Results of internal assessment are declared and communicated to students within a scheduled time.

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)

http://www.bitbarshi.edu.in/pdf/aqar/2.6.1.xlsx

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
678119110	BE	Civil Engineering	49	49	100%
678124210	BE	Computer Science & Engineering	18	18	100%
678137210	BE	Electronics and Telecommunication Engg	27	27	100%
678161210	BE	Mechanical Engineering	60	60	100%

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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)

http://www.bitbarshi.edu.in/pdf/aqar/2.7.1.xlsx

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
No Data Entered/Not Applicable !!!				
No file uploaded.				

3.2 – Innovation Ecosystem

3.2.1 – 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
Python with Machine Learning Value Addition Program	COMPUTER SCIENCE AND ENGINEERING	08/01/2020
Mathematical Modeling and Design Optimization of Solar PV System	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	23/02/2020
One day webinar on digital manufaturing and overview	MECHANICAL ENGINEERING	20/04/2020
One day webinar on Quality Assurance and Quality Control, Production, Manufacturing	MECHANICAL ENGINEERING	26/04/2020
Cement- An important construction material by Ultratech	CIVIL ENGINEERING	16/01/2020

3.2.2 – 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
NIL	NIL	NIL	Nill	Nill

No file uploaded.

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Innovation and Start Up cell BIT BARSHI	Innovation and Start Up cell BIT BARSHI	BIT BARSHI	IN PROCESS	IN PROCESS	10/09/2019

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
NIL	Nill

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Science Engineering	1	00

National	Mechanical Engineering	3	1.0
National	CIVIL ENGINEERING	1	00
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ELECTRONICS AND TELECOMMUNICATION ENINEERING	2
View File	

3.3.5 – 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
No Data Entered/Not Applicable !!!						
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3.3.6 – 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
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	8	8	Nill
Presented papers	1	1	Nill	Nill
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3.4 – Extension Activities

3.4.1 – 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
Swacch Bharat Abhiyan at Chumb	All dept Students and Grampanchayat Chumb	10	137
Fixing Tree Guards for road side trees at Uplai Road, Barshi.(Social	Varksh Savardhan Samiti, Barshi and CESA BIT BARSHI	5	41

Activity)			
Career guidance	BIT BARSHI	10	100
Awarness about cleanliness at Mandegaon,Tal-Barshi	Grampanchyat Mandegaon and UBA	5	62
Blood Donation Camp	Bhagwant Blood Bank and BIT BARSHI	10	33
Zade lava Zade Zagava (Tree Plantation) At Bavchi	Grampanchyat Bavchi and NSS BIT BARSHI	5	42
Pani adava pani Zirava (Save Water)	Grampanchyat Surdi and BIT BARSHI	10	53
Yoga Day Celebration	BHAGWANT INSTITUTE OF TECHNOLOGY BARSHI	30	48
[View File](#)			

3.4.2 – 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
No Data Entered/Not Applicable !!!			
No file uploaded.			

3.4.3 – 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 activites	Number of students participated in such activites
NSS	BHAGWANT INSTITUTE OF TECHNOLOGY BARSHI	Yoga Day Celebration	30	48
Unnat Bharat	Grampanchyat Mandegaon	Awarness about cleanliness	7	60
NSS	Varksh Savardhan Samiti, Barshi	Fixing Tree Guards for road side trees at Uplai Road, Barshi.(Social Activity)	6	40
NSS	Grampanchayat Chumb	Swacch Bharat Abhiyan at Chumb	10	137
[View File](#)				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Training on Python and machine Learning	Faculty	BIT Barshi	06
Training on Python and machine Learning	Students	BIT Barshi	06

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3.5.2 – 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
Industrial Visit	Lokesh Machines LTD, Ranjangaw Pune	Lokesh Machines LTD, Ranjangaw Pune	29/01/2020	29/01/2020	42
Industrial Visit	Ujani Power Plant,Ujani.	Ujani Power Plant,Ujani.	16/01/2019	16/01/2019	40
INDUSTRIAL VISIT	WAPMEBS Global Business Service Pvt.Ltd	WAPMEBS Global Business Service Pvt.Ltd	23/12/2019	18/01/2020	04

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3.5.3 – 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
Bhairavnath Sugar Works,Sonari	25/05/2019	Academic Industry Institute Interaction	4
Ultratech Cement Ltd.	03/06/2019	Guest Lecture	40
Aedifico TechPvt. Ltd	23/01/2020	Academic Industry Institute Interaction	5

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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
8.02	7.36

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
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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
KOHA	Fully	1.0	2021

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Journals	4	432000	4	580083	8	1012083
Text Books	9000	2259480	Nill	Nill	9000	2259480
Reference Books	2814	932876	Nill	Nill	2814	932876
CD & Video	445	13555	Nill	Nill	445	13555
e-Journals	2	100000	Nill	Nill	2	100000
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
A.R.Tulsi	Assignment and Test Module	MOODLE	04/09/2019
A.R.TULSI	Feedback Module	MOODLE	17/09/2019

A.R.TULSI	Academic Module	MOODLE	17/09/2019
A R TULSI	Assignment and Test Module,	MOODLE	24/03/2020
V L MUNDHE	Assignment and Test Module,	MOODLE	09/09/2019
SS HIREMATH	Assignment and Test Module,	MOODLE	12/09/2019
D B PATIL	Feedback Module	MOODLE	10/03/2020
V R CHINCHOLI	Assignment and Test Module,	MOODLE	12/03/2020
S H MALI	Assignment and Test Module,	MOODLE	12/09/2019
R S DESHMUKH	Feedback Module	MOODLE	10/03/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	310	12	60	15	1	10	4	60	4
Added	40	0	0	0	0	0	0	0	0
Total	350	12	60	15	1	10	4	60	4

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

60 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
smart board ,You tube channel	https://www.youtube.com/channel/UCX4d9Pn6mrx2V3TpgQW3dLA

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 incurredon maintenance of physical facilites
13.46	12.24	17.6	16.3

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)

Response: The Institute continuously strives to meet the growing needs of the twenty first century academic world making available adequate physical infrastructure and constantly upgrading facilities in order to provide a good

teaching learning environment. In order to ensure maintenance and optimum utilization. The College has well established procedure of maintaining and utilizing academic and support facilities. Physical Facilities: Classrooms, Tutorial rooms and Seminar halls: Before commencement of each semester, Head of the Department inspect the class rooms and tutorial rooms to check out the adequacy of furniture, working of projectors, tube lights, fans, etc. and make sure all the facilities are available in good condition for the students. The college is having in-house. Maintenance team and Annual Maintenance Contract with agencies to carry out repairs and maintenance work. Separate class rooms, tutorial rooms and seminar halls are allotted exclusively as per the requirements All the classrooms are provided with LCD projectors and students and faculty members can utilize them for their presentations. Laboratory and Workshop Facilities: Adequate laboratory facilities exist for carrying out all the experiments as per curriculum. Any equipment for R D work is also procured as and when required. Each Laboratory is managed and maintained by a Faculty in-charge and Technical Assistant. Annual proposals for purchase of new equipment's, repair and maintenance of available equipment's are prepared by the concerned lab in charges and submitted to Head of the Department. The Head of the institution after receiving the proposals from all the Head of the Departments calls the Purchase Order Committee meeting for their approval and purchases / repairs and maintenance. After purchase and installation, the details of new purchases are recorded in the stock registers of respective Labs. Testing calibration of equipment and devices are also performed on regular basis to ensure the working and accuracy of available equipment's in the laboratories. Computers: Each department has its own computing laboratories fully equipped with latest computer systems, printers, relevant license soft wares and internet connectivity for the benefit of the students. Computing, Wi-Fi and Internet facilities are checked routinely by the office of the system administration and any repairs and maintenance will be carried out as and when required through AMC service provider. Upgradation of hardware and software is done periodically. Academic Facilities: Library: The Central Library with over 17000 titles and 62000 volumes and subscription to 4 data bases offers an excellent environment for academic pursuits. In the annual meeting of the Central Library Committee, Librarian presents these recommendations and finalizes the purchases. Printed journals and magazines are kept in the reference section where the students can read and take photocopies. Computer and internet facility is also available in the library which is utilized by the students and staff for browsing e-journals and online databases. Each department has its own departmental library with a limited number of titles and volumes for the benefit of faculty members who utilize this facility for their research work. Support Facilities: Sports Complex: Central Sports Facility for in-door

http://www.bitbarshi.edu.in/pdf/aqar/4.4.2.docx

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	SBERCTs Sholarship	10	100000
Financial Support from Other Sources			
a) National	Govt. Scholarships	743	16411000

b)International	nil	Nill	Nill

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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 implemetation	Number of students enrolled	Agencies involved
Yoga Day Celebration	21/07/2019	34	BIT Barshi
How to Become an Entrepreneur	27/08/2019	126	BIT Barshi
Industrial Guest Lecture Atomation and Control System	02/05/2020	25	CADCAM GURU BIT Barshi
Communication skill / personality Development	28/01/2020	280	Zenser and BIT Barshi
Live webinar on Electrical Vehicles : Opportunities and Challenges	23/06/2020	650	ETC Department
Live webinar on Internet of things in Healthcare	15/06/2020	90	ETC Department

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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 passedin the comp. exam	Number of studentsp placed
2019	Career Counselling	240	240	3	3

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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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Details	110	13	Details	149	9

available in attached Excel file			available in attached Excel file		
			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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	3	SBERCTS BIT Barshi	ALL	Details are provided in EXCEL Sheet	Details are provided in EXCEL Sheet
			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
No Data Entered/Not Applicable !!!	
No file uploaded.	

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

Activity	Level	Number of Participants
Annual Sport Event 2019-20	Instiitute	400
TECH-BITS2K19	Instiitute	550
Annual Cultural Event 2019-20	Instiitute	480
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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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

Students constitute a major stakeholder in the institutional growth. Utilization of the support and ideas of the students is the paramount requirement for the prosperity and well-being of the institute. BCREC always strives to build a relation of mutual respect and inculcate a sense of pride amongst the students for their own institute. Representation of students in every departmental Students' Association.In our institute every department has Students' Association in order to develop their leadership skills and to arrange and conduct various cultural, technical events in the We have also, students' representation in almost every college committee, in order to address their grievances at every level. Finally suggestions and recommendations by

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The functioning of Alumni started since 03rd March 2018 and got registered in the year 2018 as "BHAGWANT INSTITUTE OF TECHNOLOGY ALUMNI ASSOCIATION,BARSHI " with registration number Solapur/0000096/20018. The alumni of this Institute are giving the suggestions for recent trends in industry and accordingly the topics are covered through expert lectures, industrial visits or value addition programs. They are also asked to give their suggestions for the courses that can be conducted to bridge the gap between industry and academia which in turn make our students more employable. Network with alumni is made effective through the Alumni association and alumni also keep in contact through the Alumni page on the College website. Every Department has a separate Alumni coordinator who conducts Alumni Activities. Alumni meets are conducted once in a year at institute and departmental levels. The institute has established a network with its alumni to have their active Participation in the development of the students and in turn Institute. Alumni share their expertise with the students for guidance in Projects / Placement / Contests / Internships etc. They guide students aspiring for higher education by providing guidance and assistance for GATE and other competitive examinations. The alumni are invited for training and expert talk on the recent trends being followed in industry. The institute conducts alumni meet and demonstrates the existing practices in the institute. The alumni are asked to express their views on the existing practices. Feedbacks from alumni are used to improve the teaching-learning process and the overall facilities provided to students.

5.4.2 – No. of enrolled Alumni:

342

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meet (2019) was organized on 16.09.2019 at 7.00 pm at Bhagwant Institute of Technology Barshi. Principal along with Head of Departments and Governing body members of Alumni Association were present. Total participation for the event was 234 including Alumni, faculties. The event started with an open house where alumni interacted with the College faculties and they also visited the department which was along with tea and snacks. A cultural program was presented by students of the college. There was an open session where the alumni participated with full zeal and enthusiasm to relive the old memories for the time spent in the college. The Alumni Meet was smoothly organized as per the schedule and concluded with dinner at 10.30 pm.

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)

Vision: "Satisfy the ambition of youth, who want to lead and serve our nation towards prosperity through techno-economic development." Mission: To provide, foster and sustain a milieu of high academic excellence, research, and entrepreneurship for all those aspiring students, which will prepare them to

face global challenges, crafting high ethical and moral standards." The governance in the Institute is consists of Governing Body (GB), Local Management Committee (LMC)/ College Development Council (CDC) and Internal Quality Assurance Cell (IQAC). The institute is convinced that its strategic policy will strengthen the various committees and cells of the institute. Weekly meetings of the director and department heads are held to discuss academic issues and review developments. The department head informs the academic of these academic problems or new plans with faculties in department meetings. The director of the institute ensures the participation of all those interested in the various activities of the institute. Short-term plans are designed and executed according to IQACs suggestions. If an important decision is reached by consensus among IQAC members, the main decision is sent to the governing body for approval. The Principal of the institute ensures that all relevant parties participate in various activities of the institute.

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
Teaching and Learning	Academic coordinator of the department monitors the teaching learning process, and prepares a report which is periodically shared with the Institute Academic Coordinator. The academic coordinator monitors the following teaching learning activities: 1.Conduct of lectures and practical as per the time table 2. Preparation of the list of defaulters whose attendance is less than 75 3. Conduct of makeup classes for the defaulters 4. Coverage of the curriculum as per the syllabus 5. Continuous assessment (CAS) of the practical's 6. Conduct of project and seminar presentations 7. Conduct of the unit tests as per the plan 8. Analysis of test results 9. Assignments as per the plan Activities of the Academic monitoring are periodically reviewed by the Principal and corrective actions taken.

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

E-governace area	Details
Planning and Development	ERP software is used for academic planning involving various activities . Feedback of students is used to improve the teaching learning process and develop new methodologies. Library uses KOHA for organizing its books' inventory, purchase of new books, etc. Use of Google sheets/excel sheets is done for data transaction of academic and administrative nature. Few of them

	are mentioned below: a. Maintaining CAS for Term Work/practicals/project/seminars. b. Maintaining marks obtained in assignments, midsem and endsem examinations. c. Record of makeup classes and extra classes. d. Shared data for institute events like Engineering Today (Technical) and Shivanjali (Cultural) e. Department information needed for regulating bodies such as Shikshan Shulka Samiti, DTE and UGC/AICTE. f. Requisition of library books (Academic Plan, Feedbacks for developments, Google sheets Library requirements)
Administration	ERP based activities are used for administrative purpose too. Some of the administrative tasks carried out by ERP software include assigning roles to access ERP reports as per hierarchy (GFM, Head, etc.), Icard generation for students,(Academics Employees Leave, ICard, Library, Biometric attendance monitoring for Employees and Students, management)
Finance and Accounts	Finance and accounts section uses Tally and excel for carrying out various accounting activities.Accounting activitiescarried out using Tally software are: a. Cheque printing b. Cash Book/Bank Book maintenance c. Maintenance of ledger d. Fees register e. Bank reconciliation statements (BRS) Following tasks are achieved using microsoftexcel: a. Preparation of salary bills b. Preparation and maintenance of student's fees record
Student Admission and Support	Student admission and maintenance of data is done through ERP software. a. Library automation b. Management of books c. Issue /return work d. Library books acquisition
Examination	Various activities pertaining to examination are carried out using 'ZOOM' software. Following tasks are executed using ZOOM. a. Exam schedules of University examinations b. List of seat numbers c. Examination Summary of students d. Block No and seating arrangements. e. Examination results Following activities are carried out online using university portal: a. Online examination (First year and Second Year UG students) b. Question

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
2020	Mr. Mali S.H., Mr.Deshmukh R.S., Mr.Aglave P.N Mrs. Mali D G.	Embedded-System-Workshop	Imperial College of Engineering Research Wagholi Pune	6000
2019	Mr. Narwade R K, Mr. Tulshi A R, Mr. Pratape P P, Mrs. Kadam N D, Mr. Tonape Y L.	Python-Django Training by Innoovatum software solutions	Nill	6000
2019	Mr. Mundhe V L, Mr. Patil D B, Mr. Padwal Y T. Mr. Chincholi V R.	"Practice Based Computational Fluid Dynamics"	Imperial College of Engineering Research Wagholi Pune	10000
2019	Mr. Shirl R N, Mr. Shinde A R, Mrs. Pawar S M, Mr. Kulkarni A D.	"Practice Based Computational Fluid Dynamics"	Imperial College of Engineering Research Wagholi Pune	10000
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6.3.2 – Number of professional development / administrative training programmes organized by the College 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)
2019	Content Development on MOODLE	Nill	29/07/2019	30/07/2019	41	Nill
2019	CO PO Mapping	Nill	10/08/2019	10/08/2019	38	Nill
2020	Smooth conduction of online lecture	Nill	16/03/2020	17/03/2020	36	Nill

| 2019 | Nill | Advanced Excel | 05/06/2019 | 06/06/2019 | Nill | 12 |
| 2020 | Nill | Training on Tally ERP 9 | 08/01/2020 | 09/01/2020 | Nill | 5 |

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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
Embedded-System-Workshop	4	21/02/2020	28/12/2020	08
Python-Django Training	5	13/12/2019	08/01/2020	25
Practice Based Computational Fluid Dynamics workshop	8	23/12/2019	27/12/2019	04
FDP on LaTeX	2	14/05/2020	17/05/2020	04
Usage of Technology in Covid-1902	2	28/05/2020	02/06/2020	06
FDP on Comprehensive Study of NAAC Criteria in RAF	2	11/05/2020	15/05/2020	05
FDP on Communication and ICT	2	05/05/2020	10/05/2020	05
FDP on MOODLE learning management System	3	25/05/2020	30/05/2020	06
National Research Methodology workshop	3	01/05/2020	08/05/2020	08

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	86	Nill	35

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students

Gratuity ,Maternity leave, EPF, Group Insurance	Gratuity ,Maternity leave, EPF, Group Insurance, Uniforms	Trust Scholarship

6.4 – Financial Management and Resource Mobilization

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

The institute conducts the financial audit and academic audit regularly 1. The financial audit is done internally and externally. The internal audit is carried out by the office of Bhagwant Institute of Technology and the external audit is carried out by the chartered accountant appointed by the management of the institute. The audited reports of the last three years are the part of the upload documents and are made available on the web site of the institute. Till today no significant objection has been recorded for in the audit report. 2. As per the annual audit reports from the external auditing agency: a. The financial statements are prepared under historical cost convention on the accrual basis. b. Fees from students are recognized as income. c. Investments are stated at cost plus accumulated interest till the date of the Balance Sheet. The academic audit is conducted at two levels. 1. The Heads of the Department take the monthly review of the academic progress in terms of, academic plan, performance in the test, curriculum coverage, activity conducted, etc. 2. The academic audit is also conducted on a monthly basis by the external committee (other than an institute) appointed by the management.

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
Jaywant Shikshan Prasarak Mandal Pune	300000	For conducting Technical Events (AARAMB2019-20)
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6.4.3 – Total corpus fund generated

495.16

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	Agency appointed by Principal	Yes	IQAC (BIT BARSHI)
Administrative	Yes	Agency appointed by Principal	Yes	IQAC

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

Involvement of parents in different initiatives is always appreciated. Parents contribute and give their valuable suggestions through their representation on following activities 1.Visit to student project exhibitions 2.Parent teacher meet 3.Parents from industrial sector supports for enhancing industry institute interaction 4.Feedback on Curriculum

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

1.SOFTSKILL 2. medical check up for health awareness 3. programme for work life balance

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

1.Excellence Awards for Teaching and Non -Teaching Staff 2.Standardization of feedback forms 3.Introduced Student satisfaction survey

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – 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
2019	Induction program for newly appointed faculty members	24/07/2019	24/07/2019	24/07/2019	7
2019	Session on CO PO and attainment for newly appointed faculty members	21/08/2019	21/08/2019	21/08/2019	7
2019	Internal Academic Audit	11/12/2019	11/12/2019	12/12/2019	86
2020	Industrial training- internship by students	26/03/2020	26/03/2020	30/06/2020	326
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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
Debate on "gender equality"	18/04/2020	18/04/2020	24	11
Future of "Women Leadership"	08/03/2020	08/03/2020	89	Nill

Expert Lecture on "self defence"	24/12/2019	24/12/2019	102	46
Tree Plantation Activity	15/08/2019	15/08/2019	21	50
GURU POURNIMA	07/05/2020	07/05/2020	10	15

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
Out of the total annual power requirement of 47308 kWh/Annum in the institution, 18000 kWh/Annum power is generated by renewable energy sources and it is used for lightning purposes in the institute. Solar PV Plant having capacity 15 kWp is situated in the top of the mechanical department building and it constitutes about 38.05 of the total energy requirements.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	100
Ramp/Rails	Yes	648
Rest Rooms	Yes	648
Scribes for examination	Yes	1

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
2020	1	1	02/01/2020	01	Career Counsiling	Career Oppurtunities after 12 Std. A Shivaji Mahavidyalaya barshi	200
2020	1	1	10/04/2020	02	Mock CET Entrance Examination for Engineering Aspirants	students of HSC,Shivaji Mahavidyalaya barshi	100
2020	1	1	08/02/2020	1	Socio Economic Survey under unnat	awareness about Govt. scheme	129

			Bharat Abhiyan	

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

Title	Date of publication	Follow up(max 100 words)
Maintance of Discipline and Good conduct by Student	15/07/2019	Our institute used code of conduct prepared by university which was published on 18/03/2018. In our institute number of activities are carried out to percolate human values in students and to build social responsibility, leadership such as Self-defense Program, International Women's Day, Water conservation and biodiversity, Swachha Bharat Abhiyan, Blood Donation Camp, Kargil Vijay Diwas, International Yoga Day. Uniform is compulsory for students on specified days of the week and during examination . Also committees are formed to maintains freedom of thought, accountability and transpierce, feedback analysis committee etc.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Celebration of Shiv-Jayanti	19/02/2020	19/02/2020	345
Observance of Republic Day	26/01/2020	26/01/2020	316
Celebrations of Engineers day	15/09/2019	15/09/2019	200
Celebrations of Teachers day	05/09/2019	05/09/2019	200
Celebrations of Ganesh Fesival	02/09/2019	02/09/2019	300
Observance of Independence Day	15/08/2019	15/08/2019	321
Yoga Day	21/06/2019	21/06/2019	46
Swaccha Bharat Abhiyan	14/08/2019	14/08/2019	50

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

Ecofriendly Campus 1.Green landscaping with trees and plants Institute NSS unit regularly carried out Tree plantation activity. This activity helps in encouraging ecofriendly environment which provides pure oxygen within the institute and awareness among students. Dedicated staff is allotted for gardening and watering of all trees and plants. 2.Plastic free campus Institute encourages non use of plastic in canteen and its awareness among students and staff. 3.Use of bicycles and public transport and pedestrian free roads Our institute staff and students are using bicycles and public transport. 4. Rainwater harvesting -Rain water harvesting structure is built inside the institute campus to minimize the withdrawal from ground water and is used for ground water recharge. 5.Liquid waste treatment The liquid waste generated from laboratories, urinals, etc. is treated inside the institute campus. 6.Solar panel installed on roof Solar energy is used as alternate source of electricity by trapping it inside the solar panels installed on the roof of institute building.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE- 01 1) Title of the Practice: "Academic Enrichment (Development) Program through Mini Projects" 2) Objectives of the Practice To encourage the emerging ideas of the students. To correlate theories with practical applications for concept development and application. To develop experimentation and manipulation skills. To identify real life problems and provide engineering solutions. To develop an attitude of working in a team. To acquire knowledge and skills through the Project Based Learning Process. 3) The Context: The development of conceptual knowledge and micro skills are essential in the practice. The process of problem solving and developing solutions to identify faults develop the abilities to apply procedures, adopt methodology, use tools equipment and experimentation. This in-turn and the interaction with the students enhance the interest in solving technical problems and also to use the theoretical knowledge to make models and further to understand the basic concepts. This activity is helpful to identify real life problems and gives the solution to it. 4) The practice: The practice is well designed and extend across the four year of engineering program. Its unique nature of going from simple to concept and from part to whole helped to student for critical thinking, rational thinking and innovative thinking. At the starting of the 1st semester the students choose the mini project under that basically a model is built. The model helps to all other students to get clear idea of different parts of engineering. This also helps to the other students to build the interest and to think on emerging ideas. This practice is divided in four steps for four year. Beginner (for first year students) Intermediate (for second year students) Advanced (for third year students) Very advanced (for final year students) At the beginner stage the student's gets familiar with the tools and equipments and makes the basic models to understand the upcoming students. After knowing the different tools and equipments they can build the better model or project in the intermediate stage. At the advance level the actual problem can be identified and according to that the solution will be find out and at the very advanced level the students can deal with the actual problem and finds out the optimal solution for the problem. As the college is situated in a rural area, this practice helps to solve a number of problems for the small business as well as for the farmers. This practice also helps to increase the student and teacher relationship. 5) Evidence of Success: This activity improves student's participation and teamwork in the task as well as all academic activities and hence resulted in the overall academic performance. The slow earners got motivated and their participation as well as performance got increased substantially. Those students are failing to get the knowledge

theoretically, the more interest has been built among them by this practice. Through this practice the new emerging ideas get collected and implemented by making the models (mini project). While making the models the theoretical knowledge gets applied on the model and interest among the students goes on increasing day by day. The problem solving in a framed and modular pattern helps to build confidence in the students real-life problems and that will provide the engineering solution. While doing this the activity of team work among the student's gets increases and also gains the knowledge through the project-based learning process. 6) Problems Encountered and Resources Required: As the college is located in a rural area the material and the tools are not easily available in the market. There is a need for motivational talks. Funds are not available. Because the number of students belongs to the farmers family there is a huge problem of communication in the English. BEST PRACTICE- 02 1. Title of the practice: Promoting life skills professional skills 2. Objective of the practice: To build life skills among the students to make them professionally fit through a series of activities and programs. 3. The context: The strategically planned input based on the personal and professional needs enhance the student's capabilities and professional abilities. The academic environment help students for release mental and emotional stress and the teaching learning process becomes successful. The one to one interaction with the student helps the faculty members to understand them better and can monitor their progress. In this endeavor the institute has involved the faculty members and designed and implemented the activities and programs to promote the life skills and professional skills among the students. 4. The practice: 1. The group of 15-20 students is allotted to each Faculty. This ensures one to one interaction and helps Faculty to know their strengths and weaknesses. Faculty Members are selected by respective Departments. 2. The knowledge of family and social background of the student helps in judging the student's inclination towards academics. 3. The assessment of the students attitude, attribute and background resulted in planning of personal development and social development tasks for the students. 4. Based on the results of assessment, the student's groups were formed and individual activities and personal activities/tasks were conducted. The activities like, (a) Who Am I? (b) Lead Questionnaire and (c) Field activity-based group work was allocated to students. Under such circumstances Faculty suggest remedial measures or direct the students to the head of department. 5. The individual and group assignments were allocated for enhancement of communication skill, working in a team, managing work, conflict management, Problem solving and decision making, etc. 6. If the students are found to be weak in academics remedial measures like Library work, mini-project, field activities, extra coaching, counseling, lab practices are planned and conducted and ensure that remedial measures are implemented. 7. In order to develop the sense of responsibility, punctuality, sincerity and time consciousness, the Faculty even monitors their daily attendance. Based on the performance standards the counseling the further remedial measures and tasks are planned and conducted. 8. Department conducts parent teacher meetings at the end of every semester for sharing of performances and additional efforts required by the student and parents. 9. The monthly HOD and student meet is conducted for assessment of professional achievement and standards and further to solve student related problems at department level. 10. The students are further promoted and motivated for working in team and resolving the managerial and academic problems through peer working and peer learning. 5. Evidence of success: This activity not only improves a students physical presence in the class but also his overall academic performance. This practice has resolved emotional and family problems of students by systematic counseling. Following are the few cases mentioned in the table Sr. No. Academic Year Name of students Class Problem Remedial Action Impact 1 2019-20 GholapVishwas Popat B. Tech Civil Financial Problem Absorb as supporting staff Continues support 2 2019-20 Rvi Mangalge B. Tech Civil Financial Problem Absorb as supporting staff

Continues support 3 2019-20 Nikita Deshkmukh B. Tech Civil Financial Problem Absorb as supporting staff Continues support 6. Problems encountered and resources required: During the implementation of this activity, some of the problems reported by faculty members: 1. Sometimes it is difficult to be in contact with the Parents and meet them personally because of parent's hectic schedule and routine work. 2. Mechanism of real-time attendance of students needs to be made available. For effectively implementing this activity, following resources are required. 1. Faculty Members 2. Student Database 3. Telephones 4. Counseling rooms

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.bitbarshi.edu.in

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

RURAL MANPOWER DEVELOPMENT AND TECHNOLOGY SUPPORT SERVICES The core mission of the institute is to educate the professionally competent engineers and technicians for employment/self-employment through the systematic implementation of student-centric teaching-learning processes and up gradation of infrastructure. The thrust area of the vision is to promote and support technology, entrepreneurship and industry in the rural region. The institute with the same spirit conducting activities these are performed under following categories. Category I: Development of students admitted to engineering program The activities conducted for the engineering students are pre-admission counselling, induction program, bridge courses, soft skill training, industrial visits and training, expert lectures, Mini-project, various competitions and major innovative projects Category II: Development of student community from serving area The activities conducted for the school going students are facilities to construct the projects, career counselling, science exhibitions, project competitions and technology talks about engineering. Category III: Providing technical support to the community of the serving area. The activities conducted to the serving community are industrial problem solving, providing consultancy, conducting entrepreneurial assistance, projects based on industrial needs and donating engineering facilities. The institute has systematically developed a plan that addresses the manpower needs. The organization structure has developed in tune with the mission and vision of the institute.

Provide the weblink of the institution
http://www.bitbarshi.edu.in

8.Future Plans of Actions for Next Academic Year

Institute has been initiating and implementing various activities to assure and improve quality in the different aspects of academics, co-curricular and extracurricular activities, faculty development. Another aspect, institute is focusing on social exposure to students and faculty by conducting extension activities. In view of the vision, mission and core values, institute has planned for following initiatives. 1. To apply for NBA Accreditation for UG programs 2. Organize more community service activities to contribute to the wellness of the society Institute is planning to organize more community service activities to contribute to the wellness of the society. Along with NSS unit and Unnat Bharat Abhiyan departments are involved in the organization of different social activities. 3. Firm up collaborations to bridge the gap between academia and industry. Industry is the major stake holder of technical institution. Continuous interaction between technical institution and industry is an essential

requirement to enhance an employability of engineering graduates. Institute has been in association with various industries and providing very good industrial exposure to the students. In order to sustain and enhance the interaction with the industries, Institute has planned to focus on interaction with industry with the involvement of every faculty and students as well. Also, planned to firm up association with industry by signing MoU for formal collaboration. More focus through interaction with industry will be to motivate students for industry sponsored projects, for industrial internships. 4. Intensive training for preparing students for competitive examinations Recently, Institute has formulated committee for competitive examinations. This committee will work for providing support to students willing to prepare for various competitive examinations and for creating conducive environment for students for the same. 5. To promote entrepreneurship and innovation through skill development. Institute has developed "Entrepreneurship and Skill Development Cell" and planning for enhanced activities in this area. Skill development will be the focused area for enhancing employability of students.