



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BALLARI
Name of the head of the Institution		DR V C PATIL
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08392237150
Mobile no.		9448006862
Registered Email		bitmiqac@gmail.com
Alternate Email		principal@bitm.edu.in
Address		Jnana Gangotri Campus, No 873/2, Ballari Hosapete Road, Allipura,
City/Town		Bellary
State/UT		Karnataka
Pincode		583104

<b>2. Institutional Status</b>					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Urban			
Financial Status		private			
Name of the IQAC co-ordinator/Director		DR N GURURAJ			
Phone no/Alternate Phone no.		08392237100			
Mobile no.		9448695476			
Registered Email		bitmiqac@gmail.com			
Alternate Email		bitmbly@gmail.com			
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)		<a href="http://www.bitm.edu.in/aqar">http://www.bitm.edu.in/aqar</a>			
<b>4. Whether Academic Calendar prepared during the year</b>		Yes			
if yes, whether it is uploaded in the institutional website: Weblink :		<a href="http://www.bitm.edu.in/nacc-ssr">http://www.bitm.edu.in/nacc-ssr</a>			
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.66	2015	25-Jun-2015	24-Jun-2020
<b>6. Date of Establishment of IQAC</b>			01-Jul-2015		
<b>7. Internal Quality Assurance System</b>					
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	
One day faculty development program on Introduction to		14-Feb-2018 1		30	

Computational Fluid Dynamics organized by Dept. of Mechanical Engineering.		
One day Seminar on Black Chain Technology for 7th Semester organized by Dept. of Mechanical Engineering.	07-Jul-2018 1	40
One day Seminar on Smart Materials for 4th Semester organized by Dept. of Mechanical Engineering.	30-May-2018 1	50
One day Project Exhibition for Final year students organized by Dept. of Mechanical Engineering.	17-May-2018 1	100
One day workshop TABLEAU an advanced analytics tool for data analysis organized by Dept. of Mechanical Engineering.	10-May-2018 1	100
Renewable Energies and Energy Conservation for Sustainable Development.	05-Feb-2018 2	30
How to publish scholarly articles publish or perish	17-Nov-2017 1	102

**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
BITM ECE	PMKVY	AICTE	2017 1	127500
BITM EEE	SURYA MITRA	NICE GOI	2016 1	642000
<a href="#">View File</a>				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes														
Upload the minutes of meeting and action taken report	<a href="#">View File</a>														
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No														
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>															
1. Improved the Graduation Results. 2. Enhanced employability by implementing personality development programs, value added certificate courses. 3. Value Added Certificate Courses to bridge the gap in curriculum. 4. Improvement in R and D Activity. 5. MoU with IBM and Harita Texserve (A unit of TVS Group).															
<a href="#">View File</a>															
<b>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</b>															
<table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achivements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>Improve the Renewable Energy Generation using the Roof Top for selfconsumption and for greener energy.</td> <td>Increase the roof top solar energy generation from 10 to 60.</td> </tr> <tr> <td>Maintain the Placement numbers inspite of tough market condition.</td> <td>No. of students placed for the year 2016-17 was 370 and number of students placed for this academic year 2017-18 is 373.</td> </tr> <tr> <td>Improve the academic results of First Year.</td> <td>Achieved good results and results increased by nine percent compared to last year, due to remedial classes, outcome based education, effective mentoring and proctoring and implementation of real-time attendance.</td> </tr> <tr> <td>To implement real-time attendance system through Eduwize software.</td> <td>Students attendance was intimated on a real-time manner, which reduced the number of students having the low attendance by 5%.</td> </tr> <tr> <td>To shift to online feedback system from paper based.</td> <td>Online feedback system was implemented which resulted in calculation of staff teaching performance and other institutional parameters instantly.</td> </tr> <tr> <td colspan="2" style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>		Plan of Action	Achivements/Outcomes	Improve the Renewable Energy Generation using the Roof Top for selfconsumption and for greener energy.	Increase the roof top solar energy generation from 10 to 60.	Maintain the Placement numbers inspite of tough market condition.	No. of students placed for the year 2016-17 was 370 and number of students placed for this academic year 2017-18 is 373.	Improve the academic results of First Year.	Achieved good results and results increased by nine percent compared to last year, due to remedial classes, outcome based education, effective mentoring and proctoring and implementation of real-time attendance.	To implement real-time attendance system through Eduwize software.	Students attendance was intimated on a real-time manner, which reduced the number of students having the low attendance by 5%.	To shift to online feedback system from paper based.	Online feedback system was implemented which resulted in calculation of staff teaching performance and other institutional parameters instantly.	<a href="#">View File</a>	
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<a href="#">View File</a>															
<b>14. Whether AQAR was placed before statutory body ?</b>	Yes														

Name of Statutory Body	Meeting Date
Governing Body	23-Jun-2018
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes
Date of Visit	23-Nov-2017
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2018
Date of Submission	10-Mar-2018
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The College has a full fledged Management information system for the Academic and administrative functioning of the college. The administrative system in the college is fully automated with appropriate software and all information on student admission, examinations, marks, fee payments, etc., is available for timely decision making and actions. The College library is also automated and the information regarding availability of books, issue details, etc., is available to the students and staff at finger tips. An online public access catalogue OPAC is implemented to enable the students for speedy and convenient access to the library catalogue. All the academic and administrative issues are deliberated and discussed in the appropriate Committees. The deliberations are properly debated and action items recorded and the decisions implemented at all levels in the form of proceedings, rules and regulations and policies. All relevant information about the college is published on the college website for reference. Some forms of MIS are Daily Absent Report Staff and Students One Page Monthly Report IQAC Monthly Presentation Management Review Meetings Budget Meetings IQAC Quarterly Meetings Semester Progress Report Annual Report</p>

## 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

The college systematically designs and develops action plans for effective implementation of the curriculum. At the outset, the Principal of the college conducts meetings regularly with the Heads of Departments to develop various strategies for effective implementation of the curriculum. The academic calendar issued by the affiliating university forms the basis for designing the college semester plan. The college semester plan consists of commencement date and last working date, dates for conduction of the internal assessment tests. Department-wise calendar of events' is prepared. Thereafter, the faculty members of various departments conduct their internal meetings and develop academic plans such as timetables, lesson plans, and course files for the coming academic year. Teachers are encouraged to plan in advance to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits apart from regular lecture sessions and the same is taken for approval from their Head of Department and the Principal. Thereafter the lesson plans are prepared by the respective faculty in accordance with the curriculum. Lesson plans and subject course files are maintained by each faculty for their respective subjects allotted, which is reviewed on continuous basis by the review committee. The following criteria have been followed in effective implementation of the curriculum: • We have a predefined college calendar following the university dates regarding the schedule of the semester (sample of the academic calendar copy will be available for inspection during peer committee visit). • Lesson plan is made according to the college calendar for each semester. • As part of our plan in implementing the curriculum, we have scheduled internal assessment tests (minimum of three tests per semester) for all the students. • Apart from regular classes we have case study/presentation, Guest Lecturers/workshop hours to enhance the capability of students in presenting the topics related to the curriculum. • Identification of above-average students and motivating them towards excelling in their academic performance. • Identification of academically weak students and conducting the remedial classes so as to raise their academic performance. • Organizing expert lecture series, workshops, and guest lecture to encourage industry-academia interface among students and faculty members on a regular basis. Industrial visits are arranged for the students to be familiar with the industry process to study in the curriculum.

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
Student development Program on IBM Work-lite.	Nil	23/09/2017	6	Employability	Opportunity to students to increase their knowledge and acquire skills on best-in-class IBM software

Flexible Manufacturing System (FMS)	Nil	21/05/2018	6	Employability	FMS certificate course improves the programs skills and develop an ability to write the program individually.
NX Design Model	Nil	01/03/2018	60	Employability	Programming Skill

## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

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	Engineering	01/08/2018
Mtech	Engineering	01/09/2017

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

	Certificate	Diploma Course
Number of Students	342	0

## 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
C Programming Technical Training by Bizotic	04/08/2017	699
Mock interviews	10/08/2017	450
CGI Mindtree Company specific training	10/09/2017	130
Aptitude training by Chanakya	18/09/2017	132
Training Recap Sessions by Chanakya.	28/09/2017	650
Softskills Excel Training by Bizotic	10/10/2017	101
Technical Training by Rookies World	10/11/2017	120
Uvimac Company specific training	22/02/2018	90

Harita Techserv	01/03/2018	27
Infosys Company specific training	15/03/2018	350
E Construct Software skills	20/03/2018	80
J/Qspiders training, Bangalore.	24/04/2018	70
<a href="#">View File</a>		

### 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	Engineering	66
MBA	Management	124
Mtech	Engineering	23
<a href="#">View File</a>		

## 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
<p><b>FEED BACK ANALYSIS Analysis of Employers Survey Based on the analysis of the Employers survey the employers have indicated to improve industry oriented courses for Skilled Development and increase the research activity among faculty and develop problem solving and research mind set among students. The analysis also provides input towards developing project management skills and increase the usage of modern tools for student development. Students should improve to develop ability to solve complex problems, team work and ethics. Analysis of Alumni Survey Based on the analysis of the Alumni survey the following aspects have been indicated by the Alumni for the overall development of the institution. Alumni have indicated to improve skills through new methodologies and by using modern tools, design and development process among the students. Team working ability by displaying the leadership, qualities, management skills and ability to solve complex problems through research mind set. Alumni</b></p>

## 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	Engineering	840	760	759



Mtech	Engineering	108	25	25
MBA	Management	180	145	143
<a href="#">View File</a>				

## 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
2017	3247	323	177	35	12

## 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
212	212	35	35	2	100

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

The student mentoring system in the institution takes care of the overall development of students in terms of academic performance, building up the career, move towards the right path and be focused in relevant fields. The objectives of the support system are Monitor the academic performance, Mentor and guide them to achieve and do better in academics, Understand the problems including personal and advice appropriately to monitor the overall development of the student. Each student is allotted with a faculty mentor, and each mentor maintains a Proctor form with details like parents guardians name, addresses, contact numbers and academic details, academic scores. Psychological counselors are available to all the students who are counseled individually, aided therapeutically and are supported in their aspirations related to academics, career plans, to air their grievances and cope with issues which may impede their progress in the above areas. All student mentors encourage the students participation, apart from curricular guidance, also in co curricular, extra curricular and other profession activities, which will motivate them stimulate their growth into well rounded young professionals.

Regular orientation programs and Parent meetings are conducted bringing parents into the monitoring or mentoring system as key stake holders. Follow up sessions with the parents or faculty or counselors and mentors are regularly arranged with the students who have poor performance and attendance to enable them to improve their attendance and performance. Details of mentoring system

Sl. No. Type of mentoring system  
 Functions  
 1 Professional guidance Encourage students to discuss their ideas on paper presentations. Stimulate students thinking towards innovation in projects Support their learning through attending technical workshops. Motivate them to expand their domain knowledge base through participating in competitive activities like Corporate quizzes  
 2 Academic guidance Share information of academic planners, academic schedules and e learning resources. Identify students with poor attendance and ensure that they improve their attendance by getting counselled in the presence of mentor, counsellor and HOD. Focus on academically weak students, by providing them with additional reading materials, model questions along with solutions and special make-up Classes.  
 3 Career advancement Encourage students to do certification courses in order to build on their qualifications related to their career. Provide Career Guidance or CRT and other Training apart from arranging campus recruitment drives by the Training and Placement Cell Support their research into Industry, companies, job and candidate profiles.  
 4 Laboratory specific Counsel irregular students to laboratory classes to attend regularly and complete backlog experiments during specified extra hours. Arrange special lab coaching for Students with backlogs in external lab exams.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3570	212	1 : 17

## 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
266	212	54	31	1

### 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
2017	Mr. Sridhar S K	Assistant Professor	Inspire faculty excellence Award 2017.
2017	Mr. Naseeruddin	Assistant Professor	Mentor Award - Smart India Hackthon - Ministry of Earth Science, Govt. of India.
2018	Dr. K.M Sadyojatha	Professor	Active SPOC Swayam NPTEL

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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	CSE, EEE, ECE, MECH, CIVIL	I, III, V, VII Semester Aug-Dec2017	25/11/2017	28/04/2018
BE	CSE, EEE, ECE, MECH, CIVIL	II, IV,VI, VIII Feb-June2018	23/05/2018	09/08/2018
MBA	MBA	I, III	07/01/2018	24/03/2018
MBA	MBA	I, III	09/12/2017	24/03/2018
MBA	MBA	II, IV	31/05/2018	13/08/2018
MBA	MBA	II, IV	13/07/2018	16/08/2018
Mtech	M.TECH	I,III Dec2016/Jan18	07/01/2018	24/03/2018
Mtech	M.TECH	I,III	25/11/2017	24/03/2018
Mtech	M.TECH	II,IV May,2018	06/06/2018	16/08/2018
Mtech	M.TECH	II,IV May,2018	28/04/2018	05/06/2018

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### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institute has taken efforts to improve the performance of students by

framing significant reforms in Continuous Internal evaluation at the institute level. The reforms are as follows 1. Remedial measures are taken by conducting tutorial classes to clarify doubts and reexplaining the critical topics.

Remedial Classes are conducted for the slow learners, absentees and the students who participate in Sports, NSS activities and Placement Interviews. This practice helps struggling learners to update their subject knowledge and helps them to catch up with their peers. 2. Unit tests are conducted prior to sessional examinations. 3. Topic wise question banks are provided for all subjects. 4. Students are encouraged to solve previous years University Exam question papers. 5. The institute regularly conducts workshop, technical talk, seminars and guest lectures. 6. Poor performance due to frequent absenteeism is dealt by sending registered letters to the parents of such students. 7.

Monitoring the improvement in learning of slow learner and encouraging the advanced learners by reviewing their performance in exams. 8. The institution is keen on monitoring the performance of the students and reports to the Parents. Progress Reports are sent by the tutors to the parents after each of the test. Parents or Guardians are advised to note the performance of their wards and take remedial measure if needed. Whenever necessary, the tutor shall recommend the visit of the parent to the college for a discussion about the student. Impact. These reforms have resulted in substantial improvement in students performance through comprehension of difficult topics, improved time management, enhanced writing skills and individualized attention resulting in refining their cognitive, psychomotor and affective domains of learning. This has significantly enhanced the pass percentage and academic excellence of students

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

The institution ensures effective time management and timeliness. It receives the university given timeline and adheres to it. In the beginning of the academic year, academic calendar is published by the University for Respective Course. The college carries out effective planning to stick to academic calendar. This allows the teachers and the students to space out their teaching and learning and regular assessment of the same. The college conducts assessment to the students in three different components theory and assignments. The theory component is marked out of ten. The assignment is marked out of five. These tests are conducted in evenly spaced out intervals to avoid pressuring the students with too many examinations. Every academic year consists of two semesters. Each semester is to be of 16 weeks. The first Continuous Internal Examination CIE I is conducted after 8 weeks of class work. CIE II is conducted after 16 weeks of class work. CIE III is conducted after 24 weeks of class work Within the above mentioned 8 weeks of class work, the concerned syllabus is taught to the students. They are then tested on the same material. An average of these examinations is calculated to attain the final internal marks of the student. These marks are also vitalized to decide the course of nature for teaching slow students and rectify their performance before the external examination. All question papers are set based on the OBE format. They are mapped with their respective course outcomes that are stated in the beginning of the course. The assignments given to the students involve unaddressed program outcomes. This helps the students attain knowledge beyond the syllabus as these topics are not covered by the exams conducted by the university but are still relevant. These assignments are given within a set Time frame. The students are to complete them within the time given to adhere to the university s timeline. Following the university calendar, every department creates internal calendars to ensure timely delivery of syllabus. Every teacher follows a strict agenda that is discussed and approved by the head of their respective department. This is followed by deducing a day to day division of topics and chapters. These topics and chapters are chosen keeping

the upcoming CIE in mind. The timeline created allows for the students to complete the given syllabus in enough time. The students are given plenty of time before the examinations as well to prepare and practice their concepts. In case of any required change, the university communicates the modification to the college and the college enforces the same. In any condition, the academic calendar is followed and respected by teachers of all departments.

## 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.bitm.edu.in/wp-content/uploads/2019/06/CO-CSE.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
CSE	BE	Engineering	160	152	95.00
ECE	BE	Engineering	200	189	94.50
ME	BE	Engineering	269	257	95.54
EEE	BE	Engineering	133	111	83.46
CIVIL	BE	Engineering	108	94	87.04
CNE	Mtech	Engineering	1	1	100.00
DE (ECE)	Mtech	Engineering	2	2	100.00
VLSI	Mtech	Engineering	4	1	25.00
DE (ME)	Mtech	Engineering	9	7	77.78
PE	Mtech	Engineering	9	6	66.67
MBA	MBA	Management	125	66	52.80

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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.bitm.edu.in/wp-content/uploads/2019/06/Feedback-SSS.pdf>

## 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
Major Projects	00	0	0	0

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### 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
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Orientation Program on How to write Scholarly Articles - Publish or Perish.	ECE	17/11/2017
Two days workshop on Avenues for Research and Publications.	CSE	18/01/2018

### 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
Borewell Rescue Operation - UTLP Kit	Mr. Paniram Prasad	Institute for Exploring Advances in Engineering	23/04/2018	Open
<a href="#">View File</a>				

### 3.2.3 – 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
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
<b>NIL</b>	<b>NIL</b>	<b>NIL</b>

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

Name of the Department	Number of PhD's Awarded
<b>NIL</b>	<b>0</b>

### 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)
<b>International</b>	<b>CSE / ECE / EEE /ME / CIVIL / MBA / PHYSICS / CHEMISTRY / MATHS</b>	<b>21</b>	<b>4.54</b>

### 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
<b>ME</b>	<b>1</b>
<b>ECE</b>	<b>22</b>
<a href="#">View File</a>	

### 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	Number of citations excluding self
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					the publication	citation
Abstractio n of Infor mation Flow Table from a Res tructured Legacy	Dr. R N Kulkarni	ICICSE	2017	0	BITM	0
Abstractio n of Infor mation Flow and Functional Dependency from a Res tructured Legacy	Dr. R N Kulkarni	SmartTechC on	2017	0	BITM	0
Prediction of Crime Trends Using MK- MC Technique.	Dr. Vidyavathi B. M.	Data Engin eering and Intelligen t Computing	2018	0	BITM	0
A Review on Secure storage using Bidi rectional Verificati on Techniques in Cloud Computing.	Dr. R.V.Bi radar Mr.Girish Kumar	IJET	2018	0	BITM	0
A Novel Technique for Data Integrity using Block Veri fication in Cloud Computing.	Dr. R.V.Bi radar Mr.Girish Kumar	Scopus Indexed	2018	0	BITM	0
Optimizati on of MQ-7 Gas Sensors in Determinin g the Conc entration of Carbon Monoxide Air Pollutant in different Environmen	Dr. R.V.Bi radar	Scopus Indexed	2018	0	BITM	0

tal Conditions of Bengaluru City using Wireless Sensor Networks in Real- Time.						
Design of Auto Wakeup Alarming System for Commuters in Railway Sleeper Coaches	Mr. Dadapeer	IJET	2017	0	BITM	0
Abstraction of Infor mation Flow Table from a Res tructured Legacy	Dr. R N Kulkarni	ICICSE	2017	0	BITM	0
Abstraction of Infor mation Flow and Functional Dependency from a Res tructured Legacy	Dr. R N Kulkarni	SmartTechC on	2017	0	BITM	0
Prediction of Crime Trends Using MK- MC Technique.	Dr. Vidyavathi B. M.	Data Engin eering and Intelligen t Computing	2018	0	BITM	0
A Review on Secure storage using Bidi rectional Verificati on Techniques in Cloud Computing.	Dr. R.V.Bi radar Mr.Girish Kumar	IJET	2018	0	BITM	0
A Novel Technique for Data Integrity using	Dr. R.V.Bi radar Mr.Girish Kumar	Scopus Indexed	2018	0	BITM	0

Block Verification in Cloud Computing.						
Optimization of MQ-7 Gas Sensors in Determining the Concentration of Carbon Monoxide Air Pollutant in different Environmental Conditions of Bengaluru City using Wireless Sensor Networks in Real-Time.	Dr. R.V.Bi radar	Scopus Indexed	2018	0	BITM	0
Design of Auto Wakeup Alarming System for Commuters in Railway Sleeper Coaches	Mr. Dadapeer	IJET	2017	0	BITM	0
Research Advancements Towards in Existing Smart Metering over Smart Grid	Abdul Khadar	IJACSA International Journal of Advanced Computer Science and Applications	2017	0	BITM	0
Novel Decision-Based Modeling of Minimizing Usage Cost of Electricity in Smart Grid	Abdul Khadar	CSOC 2017 conference paper Artificial Intelligence Trends in Intelligent Systems	2017	0	BITM	0
Design and	Abdul	IEEE 2017	2017	0	BITM	0



implementa tion of Zigbee based smart grid system for power management	Khadar	explorer				
Enhanced StatCom and Adaptive Neuro Fuzzy Logic Control at Grid Integrated FSIG Type Wind Farms under Asym metrical Fault Condition	Abdul Khadar	IJMETMR In ternationa l Journal and Magazine Of Enginee ring, Tech nology, Management And Research	2017	0	BITM	0
Control Topology For Emulating The Behavior Of Sysnchr onus Machines In Voltage Source Converter	Abdul Khadar	Internatio nal Intern ational Journals of Enginee ring Devel opment And Research I nternation al Peer Reviewed, Open Access Journal	2017	0	BITM	0
High voltage gain for grid tied applicatio n using interfaced buck-boost derived flyback converter approach with single switch	Harish Kumar G	IJSETR Int ernational Journal of Science, E ngineering and Technology Research	2017	0	BITM	0
Two way three phase AC-	Harish kumar G	IJSETR Int ernational Journal of	2017	0	BITM	0

AC UPC with LC pair approach using zero voltage soft switching technique		Science, Engineering and Technology Research				
Modelling, Simulation And Analysis Bearing Voltage And Bearing Current In PWM Multilevel Inverter Fed Induction Motor With Different HP Ratings	Sharan Reddy	International Journal of Innovative Research In Electrical, Electronics, Instrumentation and Control Engineering IJIREEICE	2017	0	BITM	0
A Study on Beta Stability in the Indian Stock Market	Dr. Janet Jyothi Dsouza And Soumya Shetty	Asian Journal of Management	2018	0	BITM	0
Impact of Capital Structure on Profitability	Dr. Janet Jyothi Dsouza and Rakesh M	Asian Journal of Management	2018	0	BITM	0
An Empirical Study on Risk and Return Analysis of Mining Sector	Dr. Janet Jyothi Dsouza And Ravinarayana K.S	International Journal of Management Studies	2018	0	BITM	0
A Study on Effectiveness of Google Virtual Tour on Business Promotions	Ravikumar J S	Asian Journal of Management	2018	0	BITM	0
Human Resources	Prof. C M Thyagaraja	International	2017	0	BITM	0

Development policies and practices for high potentiality and competencies of the employee	and Mohammed Javed Kalburgi	Inventive Multidisciplinary Journal				
EMPLOYEE RETENTION AND ITS IMPACT ON ORGANIZATION PRODUCTIVITY- A CASE OF FASHION APPAREL INDUSTRY	Mohammed Javed kalburgi	JOURNAL OF ADVANCE MANAGEMENT RESEARCH	2018	0	BITM	0
1.Room temperature humidity sensor based on Polyaniline tungsten disulfide composites	S Manjunatha, B chethan, Y T Ravikiran, T Machappa	AIP Conference Proceedings	2017	0	VTURC, Department of Physics, Ballari Institute of Technology	0
2.Dispersion of TiS <sub>2</sub> nanosheets in organic materials	S Manjunatha, A Sunilkumar T Machappa	AIP Conference Proceedings	2017	0	VTURC, Department of Physics, Ballari Institute of Technology	0
3.Tungsten disulfide an efficient material in enhancement of AC conductivity and dielectric properties of polyaniline	S Manjunatha, A Sunilkumar, Y T Ravikiran T Machappa	Journal Of material science	2018	0	VTURC, Department of Physics, Ballari Institute of Technology	0
Design and analysis of hybrid composites for	Dr.Raghavendra Joshi, Mrs lakshmi kumari, ,	International journal of advance research	2018	0	BITM	0

industrial helmets	Maharaj Gowda	in Engineering science and Technology, Vol. 4, issue 7, July 2017				
Effect of tool pin profile on dissimilar friction stir welding of aluminium alloy AA 7075 T651 and AA 6061 T6	H m anil kumar, Dr. V V Ramana	International journal of latest trends in engineering and technology vol 8, issue , may 2017	2017	0	BITM	0
Evaluation of Al7075 reinforced with 14SiC for its Mechanical Properties	Raghavendra Joshi,	Materials today Science Direct 2017	2017	0	BITM	0
Energy Based Jiles Artherton and Analytical Magnetostrictive Model to Study Response of Terfenol D Actuator to a Step Input	Raghavendra Joshi, Shivukumar S Y, Shivukumar S Y	International Journal of Engineering Research in Electronics and Communications Engineering Vol. 4, Issue 11, November 2017	2017	0	BITM	0
F-MWCNT Nanomaterial Integrated Automobile Radiator	Dr.Raju Jadar	Materials today Science Direct 2017	2017	0	BITM	0
Studies on TQM Practice in Small and Medium scale Enterprises	Lakshmi Kumari	International Journal of Science, Engineering and Management Vol. 2,	2017	0	BITM	0

		Issue 11, November 2017				
Prediction of Blade Resonance of cooling tower fans using Vibration Analysis	Dr. Yadavalli Basavaraj, Santhosh Naik, Raghavendra Setty, , Santhosh Naik	International Journal of Innovative Research in Science, Engineering and Technology IJIRSET Volume 6, Issue 4 April 2017. ISSN Online 2319 8753 ISSN Print 2347 6710. DOI 10.15680	2017	0	BITM	0
Analysis of Six Sigma Methodology in Exporting Manufacturing Organizations and Benefits Derived A Review	Dr. Yadavalli Basavaraj	IEEE Xplore Digital Library. DOI 10.1109 CI ACT.2017. 7977276. The paper can be reached to the Link <a href="http://ieeexplore.ieee.org/document/7977276">http://ieeexplore.ieee.org/document/7977276</a>	2017	0	BITM	0
Comparative Investigation on Al7075 MMC reinforced with wt. 6 Al203 and B4C	Dr. V V Ramana, Dr. Yadavalli Basavaraj, Manjunath T H, K C Venkatesh	Materials today Science Direct 2017	2017	0	BITM	0
Investigations on mechanical behaviour of Al7075 nano B4cComposites	Manjunath T H, Dr. Yadavalli Basavaraj, Dr. V V Ramana,	IConMMEE2018. IEEE CONFERENCE. 2018	2017	0	BITM	0

Experimental study on dissimilar friction stir welding of Al Alloy 5085 H111	Dr V V Ramana, H M Anil Kumar,, Mayur Pawar	IOP Conference, Material Science Engineering, DOI10.1088/1757-899X/330/1/012076	2017	0	BITM	0
Evaluation of Mechanical Properties of friction stir welded dissimilar AA2024T351 and AA7075 T6 Alloy	H M Anil Kumar, Dr V V Ramana	Middle East journal of Scientific Research 25 5 1009 1014, 2017	2017	0	BITM	0

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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
Enhancement in the photocatalytic activity of SnO <sub>2</sub> Sb <sub>2</sub> O <sub>4</sub> mixed metal oxide anode by nano WO <sub>3</sub> modification	Dr. Anantha N S	Journal of Environmental Chemical Engineering . 5 2017 4969-4979. DOI org 10.1016/j.jece.2017.09.033	2017	0	0	Department of chemistry, Ballari Institute of Technology
Fabrication of highly stable Ti Sb SnO <sub>2</sub> Ni Sb SnO <sub>2</sub> anode and its application to Acid Red I synthetic wastewater treatment.	Dr. Anantha N S	Journal of Material Science Proceedings. Accepted In press 2017 Scopus	2017	0	0	Department of chemistry, Ballari Institute of Technology

Performanc e of Ti TiO2 NTs Sb SnO2 electrode in photo assisted e lectrochem ical decon tamination of real industrial effluents under mild conditions .	Dr. Anantha N S	Environmen tal Science and pollution research. Accepted	2017	0	0	Department of chemistry, Ballari Institute of Technology
Design and analysis of hybrid composites for industrial helmets	Dr.Raghave ndra Joshi, Mrs lakshmi kumari, Maharaj Gowda	Internatio nal journal of advance research in Enginee ring science and Techno logy, Vol. 4, issue 7, July 2017	2017	0	0	BITM. BALLARI
Effect of tool pin profile on dissimilar friction stir welding of aluminium alloy AA 7075 T651 and AA 6061 T6	H m anil kumar, Dr. V V Ramana	Internatio nal journal of latest trends in engineerin g and technology vol 8 , issue , may 2017	2017	0	0	BITM. BALLARI
Evaluation of Al7075 reinforced with 14SiC for its Mechanical Properties	Raghavendr a Joshi,	Materials today Science Direct 2017	2017	0	0	BITM. BALLARI
Energy Based Jiles Artherton and Analytical Magnetostr ictive	Raghavendr a Joshi, Shivukumar S Y	Internatio nal Journal of Engineerin g Research in Electro nics and C ommunicati	2017	0	0	BITM. BALLARI

Model to Study Response of Terfenol D Actuator to a Step Input		ons Engine ering Vol. 4, Issue 11, November 2017				
F-MWCNT Nanomaterial Integrated Automobile Radiator	Dr.Raju Jadar	Materials today Science Direct 2017	2017	0	0	BITM. BALLARI
Studies on TQM Practice in Small and Medium scale Enterprises	Lakshmi Kumari	International Journal of Science, Engineering and Management Vol. 2, Issue 11, November 2017	2017	0	0	BITM. BALLARI
Prediction of Blade Resonance of cooling tower fans using Vibration Analysis	Dr. Yadavalli Basavaraj, Santhosh Naik, Raghavendra Setty, , Santhosh Naik	International Journal of Innovative Research in Science, Engineering and Technology IJIRSET Volume 6, Issue 4 April 2017. ISSN Online 2319 8753	2017	0	0	BITM. BALLARI
Analysis of Six Sigma Methodology in Exporting Manufacturing Organizations and Benefits Derived A Review	Dr. Yadavalli Basavaraj	IEEE Xplore Digital Library. DOI 10.1109 CI ACT.2017. 7977276. The paper can be reached to the Link <a href="http://ieeexplore.ieee.org/docum">http://ieeexplore.ieee.org/docum</a>	2017	0	0	BITM. BALLARI



		ent/797727 6/				
Comparative Investigation on Al7075 MMC reinforced with wt. 6 Al203 and B4C	Dr. V V Ramana, Dr. Yadavalli Basavaraj, Manjunath T H, K C Venkatesh	Materials today Science Direct 2017	2017	0	0	BITM. BALLARI
Investigations on mechanical behaviour of Al7075 nano B4cComposites	Manjunath T H, Dr. Yadavalli Basavaraj, Dr. V V Ramana,	IConMMEE2018. IEE CONFERENCE. 2018	2017	0	0	BITM. BALLARI
Experimental study on dissimilar friction stir welding of Al Alloy 5085-H111	Dr V V Ramana, H M Anil Kumar, Mayur Pawar	IOP Conference, Material Science Engineering, DOI10.1088/1757-899X/330/1/012076	2017	0	0	BITM. BALLARI
Evaluation of Mechanical Properties of friction stir welded dissimilar AA2024T351 and AA7075 T6 Alloy	H M Anil Kumar, Dr V V Ramana	Middle East journal of Scientific Research 25 5 1009 1014, 2017	2017	0	0	BITM. BALLARI

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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	3	77	15	66
Presented papers	20	5	1	0
Resource persons	0	0	0	1

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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
NSS Youth Red Cross YRC Volunteer Blood Donation Camp and Blood Group	VIMS Ballari Red Ribbon Club YRCS District AIDS Prevention and Control Unit DAPCU Officer	6	500
World AIDS Day	BITM NSS Unit	6	64
Ozone Day	BITM NSS Unit	3	324
Swaach Bharat	BITM NSS Unit	3	47
National Youth Day	BITM NSS Unit	3	42
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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
Blood Donation Camp	Highest Units of Blood Donated	Red Cross Society	268
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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/Agen- cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS Swatch Bharath	SWATCHTA PAKHWADA	Creating Awareness about Cleanliness	10	150
NSS	BITM NSS Unit	Volunteer Blood Donation Camp	3	254
NSS	BITM NSS Unit	Ozone Day	3	330
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### 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
Publications	BE-139	BITM	180
Wipro Technology learning centre inter disciplinary projects	BE-30	BITM	365
Student Exchange	BE-01	BITM	90
Faculty Exchange	FAC-05	BITM	2
E-Yantra Lab	BE-15	BITM	120
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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
On-Job Training	IBM Speciality Labs	IBM India Pvt. Ltd.,	26/10/2017	30/10/2017	75
On-Job Training	IBM Speciality Labs	IBM India Pvt. Ltd.,	23/09/2017	28/09/2017	75
On-Job Training	E-Yantra Robotics Lab.	IIT-Mumbai	01/09/2017	30/11/2017	16
Internship	VTU Internships	Banking / Finance / Marketing AND HR Industries	15/01/2018	24/03/2018	124
Internship	VTU Internships	JSW / BTPS	01/10/2018	30/11/2018	08
Sharing of Research Facility	Physics AND Chemistry Research Lab,	VSK University	01/06/2018	31/07/2018	10

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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
J Spiders	31/10/2017	Skill Development in the Area of Manual and Automated Tested and JAVA Programming	180

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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
72200000	71600000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	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

#### 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 partially)	Version	Year of automation
EASY-LIB	Fully	4.4.2	2008

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	94500	22248196	3395	1478292	97895	23726488
Reference Books	9333	2353673	102	44414	9435	2398087
e-Journals	0	0	8611	2269750	8611	2269750
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##### 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
<b>No Data Entered/Not Applicable !!!</b>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	903	710	40	40	30	30	103	180	0
Added	0	0	0	0	0	0	0	0	0
Total	903	710	40	40	30	30	103	180	0

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

180 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
VTU E-Learning	<a href="http://10.0.150.11/econtent">http://10.0.150.11/econtent</a>
NPTEL	<a href="http://www.nptel.ac.in">www.nptel.ac.in</a>
NDL	<a href="https://ndl.iitkgp.ac.in">https://ndl.iitkgp.ac.in</a>

#### 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
14.22	1355000	243	23800000

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)

College has clear policies and procedures to create, maintain and upgrade the Infrastructure for enhancing the Teaching Learning process at regular intervals of time. We consider Human resource as the pivotal and most important assets and follow proper systems and processes to recruit, maintain, and retain our Staff members in Teaching, Technical and Administrative roles. We also provide impetus on expending the budgets in creating and maintaining state of the art Facilities in terms of Buildings, Student spaces, Laboratory equipment, teaching aids, Learning resources, etc to enhance the overall student experience at our institution. Classrooms Adequate number of spacious Classrooms with proper ventilation and natural lighting for conducting Theory classes. Ergonomically designed benches have been provided for students. Teaching aids. 1. White Boards and Green boards 2. Classrooms with LCD Projectors Wi Fi LAN enabled Internet connectivity. Seminar halls with state of the art ICT facilities to conduct College level Events, State, National and International Conferences, Workshops and Symposia. Laboratories Workshops All the Laboratories and Workshops are well equipped with state of the art equipments and materials will cater towards imparting of Curriculum related aspects to students to go level above in acting as a catalyst to motivate students to engage in Research related activities. They are maintained well with upkeep done by professionals. Main and Departmental Libraries The Library set up consists of the Main Library along with Departmental Libraries attached to the respective Departments, which collectively support the educational needs of students belonging to all the programmes or specializations being offered on campus. The Libraries contain a vast collection of Semester Books, Reference Books, Competitive Exam Books, Bound Volumes, Journals, Conference proceedings, eBooks, CDs or DVDs, student Thesis, Dissertations, Periodicals, eJournals, etc. Library automation The Library has implemented fully automated with EasyLib software for related activities. E Journals or e Resources have been subscribed by the college through the VTU Consortium. Digital Library Resources The Library is subscribing e Resources for all Programmes through the VTU eResources Consortium. Issuance and return of books will be issued for readers. Reference books are for reference only. Book Bank Facility, this facility is provided exclusively for SC ST students. Additional books are issued apart from the books in the stack area each semester. User awareness Programme Library facility and services orientation programme is given for the new students and

faculties. Reprographic Services are centralized Sports and Extra curricular activities The college gives importance to all round development of its students by encouraging them to participate in sports and cultural activities to stay physically fit as well as improve their creativity, interpersonal and organizing skills. Computers and Peripherals, Network Infrastructure Preventive or Routine maintenance is handled by the respective department technical staff. Breakdown maintenance is handled by the System Administrator.

[www.bitm.edu.in student-code-of-ethics](http://www.bitm.edu.in student-code-of-ethics)

## 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	Fee Concession and Economical Scholarship	119	1156000
Financial Support from Other Sources			
a) National	Govt. of Karnataka / OBC, SC, ST Scholarships	2220	59425525
b) International	NIL	0	0

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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
Soft Skill Development	22/03/2018	102	Bizotic talent solutions
MyAspiration, Resource Person Mr.Ramanan CEO, Ladder Consultancy Service Ltd, Bangalore	14/08/2017	130	Ladder Consultancy Service Ltd, Bengaluru
Aptitude and Soft Skills Training	28/07/2018	165	Innovation unlimited Solutions
Block chain Technology	23/10/2017	65	BITM
The environmental impacts of Renewable Energy E	25/10/2017	71	BITM
Taking the students to the design laboratory to perform experiments on balancing equipments, Vibrations	15/11/2017	70	BITM
Taking the students	26/11/2017	72	BITM

to the design laboratory to perform experiments on balancing equipments, Vibrations DOM			
Smart Materials Material Science	28/02/2018	50	BITM
Advanced Materials Material Science	28/02/2018	50	BITM
Mechanism softwares to create mechanism KOM	02/03/2018	49	BITM
Mechanism softwares to create mechanism KOM	17/05/2018	52	BITM
Minitab Training Material Testing Lab	21/05/2018	42	BITM
Computational Fluid Dynamics HMT	14/06/2018	57	BITM
<a href="#">View File</a>			

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
2017	Opportunities in Wind Renewable Energy by Mr. Anil Deshpande, Head HR, Suzlon	0	352	0	19
2017	Building a successful career by Mr. Girish, Founder & CEO, Test Yantra Solution	0	452	0	177
2017	Importance of Soft skills by Mr. Sundar KS, Infosys Campus Connect Head	12	44	6	373

2017	IBM Artificial Intelligence and Machine Learning by Mr. Anantha Padmanabhan, Business Solution Manager and Analytics, IBM India.	0	364	0	0
2017	Software Industry Awareness Program by Mr. Paul Singh (Alumni), Chief Security Analyst, IBM India Ltd.,	0	222	0	0
2017	Awareness Session IT Industry expectation from a fresher perspective by Mr. Madhu, ABC for Java, Bengaluru	0	278	0	0
2017	Skills Sets required for Industry by Mr. Srinidhi, Sr. Engineer,	0	160	0	0
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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
0	0	0

## 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



SLK Software MindTree L and T Technologies CRMIT Solutions TCS Torry Harris Uvimac Solutions Thasmai Automation Bosch Automotive Eduwize JSW Severfiels Ltd., Triveni Turbines 24 7 NTT Data Experis IT Infosys CollegeDekho BMM Ispat Tavant Capgemini	589	145	Attra Infotech Genpact HGS IP Soft PVR Projects ITI Solutions UST GLOBAL TransACT YASH Technologies Wipro DXC.te chnology RedSeer Consulting Talent pace Aasaanjobs Pvt. Ltd. Stars Management MPHASIS Infinite Computer Solutions	393	177
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#### 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
2017	8	CIVIL	Civil Engineering	VTU	M.Tech
2017	1	CSE	CSE	Dayananda Sagar College of Engineering, Bangalore.	M.Tech
2017	11	ECE	ECE	BITM, Other Affiliated Colleges	M. Tech. and Other PG Programmes
2017	1	ME	ME	PES University Bangalore	M.Tech, PG CET,
2017	1	ME	ME	RV College Bangalore	M.Tech, PG CET, 1RV18MMD06
2017	1	ME	ME	CQ University Australia	MS-
2017	1	ME	ME	KLE technological	M.Tech, PG CET, 01FE18MMD0

				university, Hubli	16
2017	1	ME	ME	National Institute of Engineering, Mysore	M.Tech, PGCE T,4NI18MPP09
2017	1	ME	ME	Ambedkar institute of technology, Bangalore	M.TECH, PGCE T,1DA18MMD10
2017	1	ME	ME	National Institute of Engineering, Mysore	M.TECH, PGCE T,4NI18MMD01
2018	2	EEE	EEE	B.I.T.M. Ballari	M.Tech ( Power Electronics)
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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
GATE	1
GRE	1
TOFEL	1
Any Other	15
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
BADMINTON MEN WOMEN	VTU IC GULBARGA ZONE	75
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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
2017	NIL	National	0	0	00	NIL

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

The College creates a platform for the active participation of the students in the various academic and administrative bodies including other activities. This empowers the students in gaining leadership qualities, rules, regulations and execution skills. Selection, Constitution, Activities and Funding .. Class representatives will be selected from each section from 1st year to Final year. .. The student representative brings forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. .. The student representatives share ideas and interact

with lecturers and principals. .. The student representatives also help to raise funds for activities including Social events, Community projects, helping people in need and college reforms .. Various programs like paper presentations, workshops and Seminars are organized by these bodies every year. The funding for various activities of the internal college bodies is provided by the College Management.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

BITM Alumni Association Registered BITM Alumni Association is a Registered under the Karnataka Societies Registration Act 21 of 1960, under Registration No. BLY S287 2015 16, Dated 14.12.2015 and its office is located at BITM Campus. The Aims and Objectives A. To provide a forum for the old students of the College to meet and discuss the matters of common interest. B. To promote the interests of the College and its past and present students. C. To promote goodwill and mutual assistance among the members. D. To contribute to the cause of technical education by sharing the experience of those in the field. E. To help the authorities to improve the academic and cultural activities of the college. F. To co-operate with the students in literary, cultural and sports activities of the college. G. To help the members in employment and service matters without interfering in the policies of their employers. H. To arrange and conduct programmes of general and technical nature. I. To co-operate with other such bodies for the same ends. J. To promote other matters beneficial to prospects of the association. K. To extend financial help to economically backward and deserving students in form of scholarship for UG and PG of the institution. L. Any other activities that the general body may decide from time to time.

5.4.2 – No. of enrolled Alumni:

820

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

207000

5.4.4 – Meetings/activities organized by Alumni Association :

05

#### 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 To contribute valuable graduates for industry and society through excellence in technical and management education and research. MISSION .. To offer state of the art undergraduate, postgraduate and doctoral programmes. .. To empower the students with Technical, Managerial Skills and professional ethics. .. To collaborate with academia and industries for skill development. .. Decentralization of Financial powers to the Principal and HODs by the way of Contingency Allowance .. Well-structured decentralized organizational chart with specific roles and responsibilities for smooth running of the entire organization structure.

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
Curriculum Development	Identification of Curriculum gaps and specific courses taught to fulfil the same. Design based experiments and additional labs are conducted beyond the syllabus
Teaching and Learning	Outcome based education is practiced across the institution with real emphasis on student centric learning by catering to the different learning styles of the students.
Examination and Evaluation	Internal examinations are conducted on the basis of external exams, rules and regulations such as issuing of hall tickets for IA tests, intimation of attendance and IA marks to the parents via SMS. Evaluation is completed within a week and their IA books is given to the students for verification and self evaluation. The answer key is well debated with the students.
Research and Development	Departments are continuously applying for Research and Development projects through VGST and KCTU. Staff and Students are sponsored from institution for paper publications and presentations. Faculty pursuing Ph.D., have given contingency amount and support for the research work.
Library, ICT and Physical Infrastructure / Instrumentation	State of the Art Library with E Journals and Digital E Learning facilities are augmented for self learning. The college has high speed internet connectivity for access to educational contents. Firewall is augmented for secure and safe access. In our institution 960 and more computers are available for all the Staff and Students.
Human Resource Management	Objective base appraisal is carried out in a very systematic manner taking into account related to academics, research, personal development and leadership aspects.
Industry Interaction / Collaboration	College has setup BIRED cell with its office located in Bangalore for industry institute interaction and collaboration.
Admission of Students	Management provided scholarship for poor and meritorious students in management quota. Career counselling

was carried out to the students of Ballari and scope and opportunities in Engineering was highlighted.

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

E-governance area	Details
Administration	Eduwize ERP Software is used for overall administration and monitoring.
Planning and Development	Proper Budgeting is carried at the beginning of the financial year and the same data and information is maintained on electronic platform. The expenditures are constantly verified against the budget for effective utilisation. Development activities a
Finance and Accounts	Tally Accounting Software is used for all the accounting purpose. Financial aspects are closely monitored through e-banking facility and all the financial transactions are carried out through digital payments such as NEFT RTGS, Paytm, PhonePe, BHIM,
Student Admission and Support	RoboVidya by RoboSoft Software used to manage the Students information for Admission, Fee payment, communication, transport maintenance and Hostel.
Examination	IA performance and their attendance is communicated through SMS by SMS Gateway software. Student update their profiles in the VTU examination Portal every year. Students after applying for examinations their hall tickets are automatically generated f

### 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
2017	Dinesh K	FDP on Using Blended MOOCs In Management Education	Indian Institute of Management IIM-B Bangalore	3000
2017	Mrs. Swetha N	ICEECCOT 17, Mysore	ICEECCOT 17, Mysore	4100
2017	Mrs. Swetha N.	ICIOTSC 17, Nellore	ICIOTSC 17, Nellore	3000
2017	Mr. Raghavendra Setty	Introduction to linear finite element analysis	Iios Bangalore	3000

2017	Mrs. Sumalath	IOT Workshop at NITK, Surathkal	NITK, Surathkal	3500
2017	Ms. Bharathi	IOT, NITK, Surathkal	IOT, NITK, Surathkal	4000
2017	Mrs. Nilam Chheda	MiniPoco, IEEE workshop.	IEEE	5860
2017	Dr. B M Vidyavathi	Research Promotion Workshop	Bangalore	5000
2017	Mr. Raghavendra Setty	Applied impact mechanics	IIT MADRAS	5000
2017	Sandeep Y M	DSP lab	Acharya Institute of Technology, Bengaluru	3474
2017	Sarala P	Effective teaching and learning of smart grid and micro grid technologies	NIT, Warangal	3260
2017	Dr. U. M. Daivagna	Elements of vibration analysis	NITTT and REACHERCH KOLKATA	5000
2017	Shantala H	New model curriculum for first year B.E/B.Tech. CBCS detailed syllabus 2018 19 as per outcome based education format including course outcomes and Blooms taxonomy	VTU, Belagavi	2620
2017	Santosha B M	Power system analysis I	VTU, Belagavi	2620
2017	Dr. Raghavendra Joshi	Recharge Methodologies and Latex	VKIT Puttur	3000
2017	Mr. Dhananjaya Kumar	Research methodology	KSTA, DST, GOK Bangalore	5000
2017	Mr. Raghavendra Setty	Instructional design and delivery system	NITTTandR CHENNAI	5000
2017	Arati P B	Intelligent algorithms and applications	Dr. Ambedkar Institute of Technology, Bengaluru	2620

2017	Mr. Anil Kumar. H. M	International Conference on Recent Advances in Materials, Mechanical and Civil Engg.	Marri Lakshman Reddy Institute of Technology and Management, Hyderabad.	5000
2017	Mrs. Geetha H Y	Short term course at NITK, Surathkal	NITK, Surathkal	5000
2017	Prof. Venkateshwar	Three Days Workshop on Computer Network Programming in JAVA and Network Simulator 2	Bangalore	3743
2017	Vijaya Krishna	DSP lab	Acharya Institute of Technology, Bengaluru	3521
2017	Shantala H	Effective teaching and learning of smart grid and micro grid technologies	NIT, Warangal	3260
2017	Mr. Premachand D R,	ICEECCOT 17, Mysore	ICEECCOT 17, Mysore	4100
2017	Mr. Abdul Lateef,	ICEECCOT 17, Mysore	ICEECCOT 17, Mysore	4100
2017	Mr. Raymond I,	ICEECCOT 17, Mysore	ICEECCOT 17, Mysore	4100
2017	Mr. Ulaganathan J	ICEECCOT 17, Mysore	ICEECCOT 17, Mysore	4100
2017	RAGHAVENDRA KARNOOL	Instructional Design And Delivery System	NITTT and R CHENNAI	5000
2017	Mr. Sagar T.V.	IOT Workshop at NITK, Surathkal	NITK, Surathkal	3500
2017	Ms. Manjula R.	MiniPoco, IEEE workshop.	IEEE	5860
2017	Sujata D	Power System Analysis I	VTU, Belagavi	2620
2017	Abdul Khadar	Power System Analysis I	VTU, Belagavi	2620
2017	Rajya Laxmi	Power System Analysis I	VTU, Belagavi	2620
2017	Md Anwar	Power System Analysis I	VTU, Belagavi	2620

2017	Mrs. Lakshmi Kumari	Recharge Methodologies and Latex	VKIT Puttur	3000
2017	Mr. Sudhakar Avareddy	Three Days Workshop on Computer Network Programming in JAVA and Network Simulator 2	Bangalore	3743
2017	Mrs. Swathi D V	Two Days FDP on Hands on Python for Data Science: Insight into Machine Intelligence with Tensor flow.	Reva University, Bangalore	3000
2017	Mrs. Shwethashree A	Two Days FDP on Hands on Python for Data Science: Insight into Machine Intelligence with Tensor flow.	Reva University, Bangalore	3000
2017	Prof. Anita Patil	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Prof. Venkateshwar	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Sudhakar Avareddy	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Usman K	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	T M Hayath	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245



2017	Sridhar S K	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Dadapeer	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Md. Shafiulla	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Shwethashree	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Tejashwini	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	H Hari Krishna	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Azhar Baig	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Pooja Kulkarni	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Sheetal J	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Naveen Kumar G	Two Days National level Workshop on Internet of Things IOT 2018	BITM, Ballari	3245
2017	Ms. Sirisha	3 DAYS Workshop on Applications of MAT Lab /	MVJCE, Bangalore	1500

		SIMULINK in Control Systems, Power Systems, and Signal Processing		
2017	Ms. Bharathi	5 DAYS Workshop on Algorithm Foundations of Wireless Sensor Network with applications.	NITK, Surathkal	4500
2017	Mrs. Shilpa K R	5 DAYS Workshop on Algorithm Foundations of Wireless Sensor Network with applications.	NITK, Surathkal	4500
2017	Mr. Pramod Mutalik	5 DAYS Workshop on Algorithm Foundations of Wireless Sensor Network with applications.	NITK, Surathkal	4500
2017	Manjunath E	Instructional Design And Delivery System	NITTT and R CHENNAI	5000
2017	Dadapeer	Two Days Workshop on Avenues for Research and Publications	BITM, Ballari	2140
2017	Mr. Raghavendra Setty	Vibro-acoustics	IIT BOMBAY	6000
2017	Mrs. Sumalatha	5 DAYS Workshop on Recent Advances in XILINX and ASIC Design.	JNTU, Anantapur	3500
<a href="#">View File</a>				

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)
2017	Title One day FDP on Quality Assurance	NIL	21/08/2017	21/08/2017	50	0

	in Higher Education					
2017	Title Investment Avenues in Financial Markets, Resource Person Nikhil Shinde, Sr. Manager, NISM, Mumbai	NIL	30/08/2017	30/08/2017	200	0
2017	INSTRUCTIONAL DESIGN AND DELIVERY SYSTEMS	NIL	18/12/2017	23/12/2017	3	0
2017	Train the trainer program on Data Visualization Tools	NIL	06/09/2017	08/09/2017	7	0
2017	Training program on Instructional Design and Delivery Systems	NIL	18/12/2017	23/12/2017	8	0
2017	Instructional design and delivery systems	NIL	18/12/2017	23/12/2017	4	0
2017	Title Advance Excel for Finance, Resource Person Vim aleesha, Analyst Standard Chartered GBS Pvt Ltd	NIL	09/11/2017	10/11/2017	60	0
2017	Title Generation Z and The The Work Place,	NIL	14/10/2017	14/10/2017	50	0

	Resource Person Kodandera Machia Harish, Management Consultant, Idental, Mysore					
2017	Title Digital Marketing and Social Media, Resource Person Nagaraj Hundekar, Sr Manager, Asianet News Network Pvt Ltd	NIL	07/10/2017	07/10/2017	50	0
2017	Title Workshop Soft Skill Training for MBA s Resource Person All the Faculty members, DMS-BITM, Ballari	NIL	28/09/2017	04/10/2017	120	0
2017	Title Financial Modelling using Spreadsheets, Dr. P.Varadharajan, PSGIM, Coimbatore	NIL	22/09/2017	22/09/2017	60	0
<a href="#">View File</a>						

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
NPTEL Outcome Based Pedagogic Principles For	2	01/07/2017	01/08/2017	24

Effective Teaching				
Five Days Faculty Development Programme On Iot Application Development Using Raspbrrypi and Arduino	1	01/08/2017	05/08/2017	5
Workshop On Introduction To Python	1	16/08/2017	19/08/2017	4
Nx11 Academia Modules	11	21/08/2017	31/08/2017	10
Two Day Faulty Development Programme On Internet Of Thingsiot	2	23/08/2017	24/08/2017	2
Two Days Workshop On Usage Of Open Source Softwares In Technical Institutes	1	06/10/2017	07/10/2017	2
Interactive Session On OBE and NBA Documentation	3	14/10/2017	15/10/2017	2
IEEE Collaboration Workshop On How To Publish SCHORLY Articles	15	17/10/2017	17/10/2017	1
One Day Workshop On How To Publish Scholarly Articles	5	17/10/2017	17/10/2017	1
Five Days Workshop On Algorithmic Foundations Of Wireless Sensor Networks With Application	2	10/12/2017	14/12/2017	5
Three Days Workshop On Application Of Matlab/Simulink	2	11/12/2017	13/12/2017	3

In Control System, Power System and Signal Processing				
Nit-Recent Advancements In Xilinx and Asic Designs	1	16/12/2017	21/12/2017	7
Instructional Design and Delivery Systems	3	18/12/2017	23/12/2017	7
Three Days Workshop On Arm Cortex M3	1	26/12/2017	29/12/2017	3
Recent Development and Challenges In Material and Manufacturing Processesrdcmmmp 2018	2	01/01/2018	13/01/2018	13
Two Days Workshop On Cortex M3 Microcontroller	1	05/01/2018	06/01/2018	2
Total Quality Management Program	2	29/01/2018	31/01/2018	3
Two Days Workshop On Advancement In Ns-2/3 Using Scripts and C	2	29/01/2018	30/01/2018	2
Additive Manufacturing Theory and Practice	1	02/02/2018	08/02/2018	7
NPTEL-Effective Engineering Teaching In Practice	2	01/02/2018	01/03/2018	28
Heat Transfer and Its Application	1	02/03/2018	03/03/2018	3
Two Days National Level Workshop On Internet Of Thingsiot-2018	7	09/02/2018	10/02/2018	2
Five Days Workshop On	2	12/02/2018	16/02/2018	5

Mess-Based Sensors Fabrication and Characterization Techniques				
One Day Workshop On Tableau An Advanced Analytics Tool For Data Analysis	9	10/03/2018	10/03/2018	1
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
31	31	4	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
PF, Group Gratuity, ESI, CL 15 days pa, EL 30 days nonvacation, 10 days vacation staff, Group Gratuity Scheme, Accidental Insurance, Transport, for Ph.D., Research Contingency, WS Conferences, value added training programmes, Salary Advance facility.	PF, Group gratuity, ESI, CL 15 days pa, Group Gratuity Scheme, Accidental Insurance, Transport Facility, Salary Advance facility.	Accidental Insurance Scheme, Deputing students to Workshops, Conferences, Value Added Training Programmes, in House training Programs, Sports, NSS, Tech Fest, Youth fest activities, Transport facility for Industry Tours, Off Campus interviews, etc. Awareness Regarding Govt. facilities Scholarship, Loan to minorities, etc. Career Guidance to improve the student's employability.

6.4 – Financial Management and Resource Mobilization

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

<ul style="list-style-type: none"> <li>Experienced and efficient personnel conduct internal audit regularly.</li> <li>External audits are done by Proficient financial auditors</li> <li>In the Audits, Experts verify all transactions.</li> <li>There were no major observations noticed and the reports of the same are available.</li> </ul>
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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
S. R. CONSTRUCTIONS KIADB INQUILAB ENGINEERS	22700	CIVIL Constructions fee collected by Civil Department

[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	Intertek Agency	Yes	ISO Coordinator
Administrative	Yes	Intertek Agency	Yes	ISO Coordinator

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

The management arranges for a parent teachers meet once in a semester during a weekend. The parents are invited by faculty of all the departments. Student s academic performance, university results, attendance and other related issues are discussed. At the inaugural function of UG and PG, the parents are invited and academic expectations are informed to the parents. The parents are informed with respect to rules and regulations, scholarships, value added courses provided by the institution from time to time. Parents are part of IQAC and Grievance Cells.

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

Orientation programme Computer and skill-based training Improvement programme

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

Continuous assessments of POs and PSOs based on the results of every student in internal and external examinations. Recruitment of faculty with higher qualification Ph.D Arrangement of National and International Conferences and FDP for the teaching faculty.

## 6.5.5 – 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

## 6.5.6 – 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
2017	How to publish scholarly articles publish or perish	17/11/2017	17/11/2017	17/11/2017	18
2018	One day faculty development program on Introduction to Computational Fluid Dynamics	14/02/2018	14/02/2018	14/02/2018	30



	organized by Dept. of Mechanical Engineering.				
2018	Renewable energies and energy conservation for sustainable development.	15/02/2018	15/02/2018	15/02/2018	70
2018	One day Seminar on Smart Materials for 4th Semester organized by Dept. of Mechanical Engineering.	30/05/2018	30/05/2018	30/05/2018	50
2018	One day Project Exhibition for Final year students organized by Dept. of Mechanical Engineering.	17/05/2018	17/05/2018	17/05/2018	100
2018	One day workshop TABLEAU an advanced analytics tool for data analysis organized by Dept. of Mechanical Engineering.	10/05/2018	10/05/2018	10/05/2018	100
2018	One day Seminar on Black Chain Technology for 7th Semester organized by Dept. of Mechanical Engineering.	07/06/2018	07/06/2018	07/06/2018	40

**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
Essay writing competition on online abuse and social media misuse.	12/08/2017	12/08/2017	30	0
Self Defence Programme of Mission Sahasi	31/10/2017	31/10/2017	615	0
Memorable talk on Smt. Basavarajeswari, Founder and Chairman	25/11/2017	25/11/2017	70	30
Celebrated International Women's Day	08/03/2018	08/03/2018	375	0

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
60

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0

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
2017	3	3	30/10/2017	1	Engineering as a Career	Scopes and opportunities	340

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

Title	Date of publication	Follow up(max 100 words)
SERVICE RULES, POLICIES, PROCEDURES and EMPLOYEE HANDBOOK (REVISED JUNE 2014)	01/07/2017	Service Rules Policies and procedures is clearly defined and the same is circulated to all the staff. The details are available in the following link: <a href="https://www.bitm.edu.in/studentcodeofethics">https://www.bitm.edu.in/studentcodeofethics</a>
Student Code of Ethics	01/08/2017	Every student is expected to represent him or herself honestly and respectfully in all situations. Students are expected to maintain the highest standards of academic integrity. Students are expected to adhere to the rules and regulations set at/by the National / State / District / College. Students are prohibited in using mobile phones in the class and during any other academic activity. Students should compulsorily wear College ID Card and should be visible. Students shall be guaranteed that their Freedom of Speech will be observed by all college members. Students must behave respectfully toward their peers, teaching and nonteaching Staff.

## 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction Program for First year B.E. Students	07/08/2017	08/08/2017	750
Introduction to General Aptitude	09/08/2017	09/08/2017	750
Lecture by HOD on Honesty, Integrity and Patriotism	10/08/2017	10/08/2017	350
Awareness on Anti	12/08/2017	12/08/2017	740

Ragging and Prevention of Sexual Harassment on Women			
Induction program for PG students and Awareness on Plagiarism	30/10/2017	30/10/2017	168

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

300 KWp Rooftop Solar Energy Park. Rain Water Harvesting System. EWaste segregation. LED Lightings. Exclusively Swaach Bharath Waste Collection Van was procured for waste disposable in scientific manner.

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Realtime attendance system was introduced where the staff members mark the attendance on the real time basis and the students who were absent, a SMS was immediately sent to the parents. This enabled the institution to reduced the number of students having the low attendance by 5 and also increased over all results and in particular first year results by 9. Sustainable Renewable Energy system like Roof top Solar power plant has been installed with a capacity of 300 KW, which produces 1300 KWH energy per day and it meets 60 percent of energy requirement of our institution. Each staff is allocated 18 to 20 students, who counsel and mentor them for their academic and cocurricular progress. Each student provided with proctoring book, where the proctor will discuss with the student and log all his previous academic details and his personal details. Students meet the proctors to discuss any problems faced by them both academically and personally faced by them. Proctors also log their examination details and look into the revaluation results aspects for the weaker students. Proctors regularly call the student parents as and when needed. Remedial classes are conducted for students. Every subject or course as a remedial class which is utilized for training the academically weak students and also clarifying the doubts. The concepts are brushed up and practice problems are given to increase the confidence as well as the academic ability of the students. OBE process is implemented across the institution and lesson plans are framed using Blooms Taxonomy, Learning Styles. The delivery of the lecture is done using combination of modern teaching and pedagogic methods. Curricular gaps are identified through gap analysis and the same is addressed through contents beyond the syllabus, Design Based Experiments, Guest Lectures, IndustryOriented Programs, etc.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.bitm.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

Introduction of Realtime Attendance System and effective Proctoring resulting in improvement of Results. Institute vision to impart quality education, by virtue of which student contributes in technological as well as societal growth and welfare. In line with vision, the priority and trust, the institute consistently provides motivation, support and plat form for the students to inculcate entrepreneurial leadership, project management and multidisciplinary skills for enrichment of technical competency. The Realtime attendance system

through Eduwize software was introduced, wherein the staff members mark the attendance on the realtime basis and the students who were absent, a SMS was immediately sent to the parents by the Mentor. This enabled the institution to reduce the number of students having the low attendance by 5 and also the academic results of first year the students improved phenomenally by nine percent, due to remedial classes, outcome based education, effective mentoring and proctoring and implementation of realtime attendance. The college has adopted standardized proctoring system wherein every 20 students has been assigned with a faculty.

Provide the weblink of the institution

<http://www.bitm.edu.in>

### **8.Future Plans of Actions for Next Academic Year**

1. Fostering to start and Entrepreneurship and startup the Incubation centre. 2. Improving the Placement Activity while having more collaborations and centre of excellence. 3. Conducting FDP Programs for Faculty. 4. Improvement in the publications in quality journals like Scopus index. 5. To build state of the Art New Electrical Block. 6. To improve the Academic Results by adopting new teaching methodologies and through remedial classes. 7. To promote branding of the institution through social media enabling improvement in admissions.