

BALLARI INSTITUTE OF TECHNOLOGY and MANAGEMENT
BALLARI



ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

(01st July-2016 to 30th June-2017)



Submitted by:
Basavarajeswari Group of Institutions



BALLARI INSTITUTE OF TECHNOLOGY and MANAGEMENT
NAAC Accredited Institution

"Jnana Gangotri" Campus, Bellary-Hospet Road, Near Allipura Village,
BALLARI - 583 104 (Karnataka)

Ph: 08392-237167/237153 Fax: 237197, e-mail: bitmbly@gmail.com

Website: www.bitm.edu.in

ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

INDEX

Sl.No.	Contents	PageNo.
01	PART-A	3-6
02	CRITERION-I: CURRICULAR ASPECTS	7-10
03	CRITERION-II: TEACHING, LEARNING AND EVALUATION	11-14
04	CRITERION-III: RESEARCH, CONSULTANCY AND EXTENSION	15-29
05	CRITERION-IV: INFRASTRUCTURE AND LEARNING RESOURCES	30-32
06	CRITERION-V: STUDENT SUPPORT AND PROGRESSION	33-39
07	CRITERION-VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT	40-47
08	CRITERION-VII: INNOVATIONS AND BEST PRACTICES	48-50

The Annual Quality Assurance Report (AQAR) of the IQAC
(For Affiliated/Constituent Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year.(For example, July 1, 2017 to June 30, 2018)*

Part - A

Data of the Institution

(data may be captured from IQA)

1. Name of the Institution: BALLARI INSTITUTE OF TECHNOLOGY and MANAGEMENT

- 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.: **9448006860**
- Registered e-mail: **bitmicac@gmail.com**
- Alternate e-mail: **bitmbly@gmail.com**
- Address: **Jnana Gangotri Campus, No 873/2, Ballari Hosapete Road, Allipura,**
- City/Town: **BALLARI**
- State/UT: **KARNATAKA**
- Pin Code: **583104**

2. Institutional status:

- Affiliated / Constituent: **Affiliated**
- Type of Institution: Co-education/Men/Women **Co-education**
- Location: Rural/Semi-urban/Urban: **URBAN**
- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self-financing: **Self Financing**
(Please specify)
- Name of the Affiliating University: **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI.**
- Name of the IQAC Co-ordinator: **DR N GURURAJ**
- Phone No.: **08392237100**
- Alternate phone no. **08392237150**
- Mobile: **9448695476**
- IQAC e-mail address: **bitmiqac@gmail.com**
- Alternate Email address: **bitmbly@gmail.com**

3. Website address:

Website address: **<http://www.bitm.edu.in>**
Web-link of the AQAR: (Previous Academic Year): **<http://www.bitm.edu.in/nacc-ssr>**

4. Whether Academic Calendar prepared during the year? YES

Yes/No....., if yes, whether it is uploaded in the Institutional website: **YES**

Web link: **<http://www.bitm.edu.in/nacc-ssr>**

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	B	2.66	2015	from: 25/6/2015 To:24/6/2020
2 nd	--	--	--	---
3 rd	--	--	--	---
4 th	--	--	--	---
5 th	--	--	--	---

6. Date of Establishment of IQAC:2015

DD/MM/YYYY:01.07.2015

7. Internal Quality Assurance System:

7.1 Quality initiatives by IQAC during the year for promoting quality culture:

Item / Title of the quality initiative by IQAC	Date and duration	Number of participants / beneficiaries
IQACFirst Meeting	30/07/2016 - 2 hours	25
IQACSecondMeeting	27/10/2016 - 2 hours	25
IQACThird Meeting	30/01/2017 - 2 hours	23
IQACFourth Meeting	28/04/2017 - 2 hours	24
IQAC Internal Audits through ISO	15 October 2016	---
IQAC Internal Audits through ISO	18/03/2017	
External Audit	19/11/2016	---
Out Come Based Education of NBA Accreditation	18 th TO 20 th JULY 2016	All

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
BITM Mechanical Department of Dr. Raghavendra Joshi	Research and Development Scheme	Vision Group for Science and Technology, Govt. of Karnataka	2016	Rs. 497500/-

9. Whether composition of IQAC as per latest NAAC guidelines: **YES**
*upload latest notification of formation of IQAC

10. **No. of IQAC meetings held during the year: 04**
The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website..... **Yes**
(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?
No
If yes, mention the amount: Year:

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

- 1 Improved the Graduation Results AND Enhanced employability by implementing personality development programs, value added certificate courses and pre-placement training program for the

students, more avenues for students to engage in community services AND Sensitizing students to ecological and environmental issues.

- 2 Established linkages with Industries with IBM Software, Wipro, Harita (A TVS Group of Companies) AND Career Guidance and Placement Cell strengthened.
- 3 Upgraded Library by subscription to E-Journals, E-Books, E-Learning for Self Learning.
- 4 Internal and External IQAC Academic Audit as per ISO 90012015 norms and Governing council meeting held on a regular basis with members of the committee as a part of Academic Review activity.
- 5 Publication of Journals of international standards AND Seminars, conferences and invited talks arranged for students and Faculty members AND ALSO Conduction of Faculty development programme every year.

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

Plan of Action	Achievements/Outcomes
Improve the academic results and Placement	Achieved good results and students were placed in MNCs and other companies.
Conduct National Level Seminars/ Conferences/ Workshops / FDP by all departments.	Conducted by all the departments
Energize the activities of all the clubs and forums in the college.	All the departments' forums are conducting events periodically.
Quality Publication (By Faculty members)	Papers were published in reputed Journals.
Conduct IQAC Internal and External Academic Audit, Log book Verification, External Audit	Conducted audit for all the departments through ISO audit cell.
Initiate social responsibility activity	NSS unit is organizing Blood Donation Campus, Literacy programs, Swatch Bharath, Help to Orphanage, Yoga day, etc.,

14. Whether the AQAR was placed before statutory body? **Yes**
 Name of the statutory body: **Governing Body**
 Date of meeting(s): **10th June, 2017**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning? **Yes** Date: **14/5/2016**

16. Whether institutional data submitted to AISHE: **Yes** Year: **2017**
 Date of Submission: **30/03/2017**

17. Does the Institution have Management Information System? **Yes**

If yes, give a brief description and a list of modules currently operational.

(Maximum 500 words)

The 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
- Governing Council.

Part-B

CRITERION - I-CURRICULARASPECTS

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 colleges 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 Department 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 lectures 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, Lecturers/workshop hours to enhance the capability of students in presenting the topics related to the curriculum. Guest
- Identification of above-average students and motivating them toward 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**

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
INFOSYS CAMPUS CONNECT	--	2016	Employability	Foundation Program and Python
WIPRO Technology Learning Centre Lab	---	2016	Employability	Inter disciplinary Projects on UTLP Platform
IBM	---	2016	Employability	Mobile Application Development and Cloud Computing
J / Q-Spiders	---	2016	Employability	Testing and Java Programming
Suryamitra	---	2016	Employability	Solar Energy installation and trouble shooting.
---	PMKVY	2016	Employability	Skill development program for IT coordinators in schools
---	FMS - Lab	2016	Employability	Flexible Manufacturing System and Conditioning Monitoring.

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
--	--	--	--

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	UG	PG	Date of implementation of CBCS/Elective Course System	UG	PG
Computer Science Engineering	BE		01.08.2016		
Electronics and Communication					
Mechanical Engineering					
Civil Engineering					
Electrical and Electronics Engineering					
Master of Business Administration (MBA)		MBA	01.08.2016		
CNE (CSE)		M.Tech	2016		
DE (ECE)					
VLSI and DES (ECE)					
DE (ME)					
M.Tech.-PE (EEE)					

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

	Certificate	Diploma Courses
No of Students	--	--

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year 2016-17

Value added courses	Date of introduction	Number of students enrolled
IBM	2016	79
INFOSYS CAMPUS CONNECT	2016	148
J / Q SPIDERS	2016	143
INNOVATIONS UNLIMITED	2016	412

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. Of Students Enrolled For Field Projects / Internships
A Study On Impact On Customer Relationship Management Of Customer Satisfaction And Its Role Towards Customer Loyalty At Air Freight Cargo, Pune	Arvind Kumar Vaishnav (3BR15MBA15)
A Study On Consumer Buying Behaviour and Consumers Satisfaction In Real Estate and Interiors With Special Reference To SLV Developers Pvt Ltd. Bangalore	Jayashree N (3BR15MBA42)
A Study On Customer Satisfaction And Brand Loyalty At Hotel Allum, Ballari	Kuruba Manjunath (3BR15MBA51)
Analysis Of Sales Promotion Strategies With Respect To Nilgiris Instant Products Mix, Bengaluru	Madhu K (3BR15MBA60)
To Study Service Quality Dimension As A Tool Of Customer Satisfaction At Royal Fort Hotel, Ballari	Mallikarjuna Reddy.M (3BR15MBA63)

A Study On Marketing Strategies With Reference To Force Motors At Khivraj Motors Bengaluru	Moses Jayaprakash (3BR15MBA69)
A Study On Retailers Perception Towards Group Pharmaceuticals Pvt Limited Bengaluru	Nagaraja K K (3TR15MBA06)
A Study On Assessment Of Customers Satisfaction With Reference To Big Bazaar Retail Bengaluru	Naresh. A (3TR15MBA08)
A Study On Impact Of Digital Marketing In It Education With Special Reference To 'Grid Bengaluru	Priyanka.T (3TR15MBA17)
Critical Evaluation Of Consumer Decision Making, A Study Of Nandi Pipes Nandyal (AP)	RaghavaReddy.G (3TR15MBA18)
A Study On Effectiveness Of Digital Marketing On Customer Purchase Decisions With Special References To Instadigit, Bengaluru	S.Lavanya (3TR15MBA27)
A Study On Integrated Logistics Activities At Kirloskar Ferrous Industries Ltd, Bevinahalli,Koppal(Dist)	BandiHimagirish (3BR15MBA20)
CAPM-An evaluation of risk and return of selected steel companies in Geojit BNP Paribas Pvt. Ltd., Ballari	Swapna B. (3TR15MBA51)
A study on Non-performing assets in Bellary Urban Co-operative Bank Ltd.	Dhushyantha Kumar (3BR15MBA32)
A study on Impact of dividend announcement on stock return of firms listed at NSE with reference to Anandrathi Share and Stock Brokers Ltd., Mysore	Swetha H. (3TR15MBA53)
A study on technical analysis of selected FMCG sector at LKP Securities Ltd., Bengaluru	Aruna (3BR15MBA14)
A study on analysis of Indian Primary Market at BMA Wealth Creators Ltd., Bengaluru	Lakshmi Narayana Malekar (3BR15MBA52)
A study on ratio analysis of Sysvine Technologies Pvt. Ltd.	Sujana T. (3TR15MBA47)
A study on Inventory management at SathavahanaIspat Ltd., Ballari	Chaitra N. (3BR15MBA24)
A study on Comparative analysis of Applicomp (India) Ltd.	Suresh M. (3TR15MBA49)
A study on Working Capital Management at Taurus Powertronics Pvt. Ltd., Bengaluru	Mahadeva Gouda R. (3BR15MBA61)
A STUDY ON FINANCIAL ANALYSIS AT PRAXAIR	Basavaraj (3BR15MBA21)
A Study On Working Capital Management In Jamkhandi Sugars, Bagalkot	D Shreekanth (3BR15MBA28)
A Comparative Study Of Mutual Funds With Respect To Standard Chartered Mutual Funds	D Manjunatha (3BR15MBA27)
A Study On Employee Retention Strategies Of Max Fashion At Bengaluru	G S Deepika (3BR15MBA34)
A Study On Employee Satisfaction And How It Links To Empowerment, Well-Being And Collaboration At Schneider Electric It Business India Pvt Ltd. Bengaluru	C Ashwini (3BR15MBA26)
A Project On Employee Engagement At BmmIspat Ltd	DeekshithaRajapuram (3BR15MBA29)
A Study on Participation of Labors in Utilizing Safety Measures at MSPL PELLET Plant Koppal	Annapoorna P (3BR15MBA08)
Competency Mapping Of Employees At Sysvine Technologies Private Ltd, Chennai	Linda Shiny (3BR15MBA40)
A Study On Employee Motivation At Sunness Capital India Pvt Ltd	Zainab Begum (3TR15MBA64)
A Study On Employee Welfare And Safety Measures At Pv Green Tech , Bangalore	Shagufa Sultana (3TR15MBA36)
A Study On Stress Management At N.E.K.R.T.C, Ballari	UravakondaSupraja Reddy (3TR15MBA55)
A Study on Impact of HR Policies on Organizational Culture at Maiyas Beverages and Food Pvt. Ltd, Bangalore	Swetha T M (3TR15MBA43)
A Study On Employee Retention And Its Impact On Organization Productivity At Future	Shradha V

Lifestyle Fashion Ltd, Bengaluru, Karnataka	(3TR15MBA40)
A Study On Conflict Management At Hr Tree Outsourcing Pvt Ltd	Sowjanya T K (3TR15MBA46)
A Study On Employee Motivation And Its Impact On The Productivity In Basai Steel And Power (P) Limited, Ballari	Vamshavardhan.B (3TR15MBA56)

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	No	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analysed and utilized for overall development of the institution?
(Maximum 500 words)

<p>FEED BACK ANALYSIS</p> <p>Analysis of Employers Survey:</p> <ul style="list-style-type: none"> > 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's 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. <p>Analysis of Alumni Survey:</p> <ul style="list-style-type: none"> > 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's have indicated to improve project management and finance for lifelong learning. <p>Analysis of Parent Feedback:</p> <ul style="list-style-type: none"> > Based on the inputs and feedback from the parents, it is clearly highlighted, the institute should set-up centre of excellences and sign MoU's with top companies for skill development. > Also the parents indicated to provide the modern facilities in the institution for overall development of the students. > Parents have indicated to conduct more workshop on modern technologies and also encourage the students for research. > Also develop students with good ethics and values. Students should also be encouraged to participate in external competitions. So that they develop personality, boldness and courage to face the real life world.
--

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
BE-CSE	180	177	177
BE-ECE	180	157	157
BE-EEE	120	98	98
BE-ME	240	196	196
BE-Civil	120	89	89
	840	717	717
M.Tech.-CNE	18	01	01
M.Tech.-DE (ECE)	30	03	03
M.Tech.-VLSI DandES (ECE)	18	05	05
M.Tech.-DE (ME)	18	13	13
M.Tech.-PE (EEE)	24	08	08
	108	30	30
MBA	180	135	135
CSE - Research Centre	-	-	03
ECE - Research Centre	-	-	08
ME - Research Centre	-	-	01
Physics - Research Centre	-	-	02
Chemistry - Research Centre	-	-	03
Mathematics - Research Centre	-	-	02

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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2016-17	717	165	48	11	59

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
216	216	Overhead projectors, Digital Library, E-Journals and E-Books, Audio/Video Webinars	35	3	NPTEL course videos, PPTs, Online course videos, PDFs,

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, moving toward the right path and being 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 parent OR guardian 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 plan 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 professional 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/mentoring system as key stakeholders. Follow up sessions with the parents/faculty/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	<ul style="list-style-type: none"> Encourage students to discuss their ideas on paper presentations. Stimulate students " thinking 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Encourage students to do certification courses in order to build on their qualifications related to their career. Provide Career Guidance/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	<ul style="list-style-type: none"> 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
882	216	1 : 20

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
216	177	71	39	29

2.4.2 Honours and recognitions received by teachers

(Received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year 2016-17)

<i>Year of award</i>	<i>Name of full time teachers receiving awards from state level, national level, international level</i>	<i>Designation</i>	<i>Name of the award, fellowship, received from Government or recognized bodies</i>
2017	Dr.Raghavendra Joshi	professor	Innovative technological research and dedicated professor award

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

Program me 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
B.E	CSE,EEE,ECE,MECH ,CIVIL	I,III,V,VII	22 November,2016	6 March,2017
B.E	CSE,EEE,ECE,MECH, CIVIL	II,IV,VI,VIII	20 May,2017	7 August,2017
MBA	MBA	I,III	13 Jan17	30 March2017
MBA	MBA	II,IV	31 May,2017	14 August,2017
M.TECH	CNE, DE EC, VLSI, DE ME, PE	I,III	13 Jan17	30 March2017
M.TECH	CNE, DE EC, VLSI, DE ME, PE	II,IV	31 May,2017	14 August,2017

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

<p>The institute has taken effort to improve the performance of students by framing significant reforms in Continuous Internal evaluation at the institute level. The reforms are as follows</p> <ol style="list-style-type: none"> 1. Remedial measures are taken by conducting tutorial classes to clarify doubts and re-explaining 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 help 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 report to the Parents. Progress Reports are sent by the tutor to the parents after each of the test. Parents/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. <p>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</p>

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

<p>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</p>

assignments. The theory component is marked out of ten. The assignment is marked out of five. These tests are conducted in even lapses out of interval 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 classwork. CIE II is conducted after 16 weeks of classwork. CIE III is conducted after 24 weeks of classwork. Within the above-mentioned 8 weeks of classwork, 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 an internal calendar to ensure timely delivery of the 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/computer-science>
<http://www.bitm.edu.in/electronics-communication>
<http://www.bitm.edu.in/mechanical-engineering>
<http://www.bitm.edu.in/electrical-electronics>
<http://www.bitm.edu.in/civil-engineering>
<http://www.bitm.edu.in/mba>

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
CSE	B. E.	125	119	95.2
ECE		154	151	98.05
ME		234	181	77.35
EEE		130	120	92.3
CNE	M.TECH.	03	03	100
CSE		04	04	100
DE (EC)		03	03	100
VLSI		05	03	60
DE (ME)		11	09	81.8
PE		07	07	100
MBA	MBA	135	116	85.92

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 web link)

<http://www.bitm.edu.in/computer-science>
<http://www.bitm.edu.in/electronics-communication>
<http://www.bitm.edu.in/mechanical-engineering>
<http://www.bitm.edu.in/electrical-electronics>
<http://www.bitm.edu.in/civil-engineering>
<http://www.bitm.edu.in/mba>

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 Academic year
Major projects	--	KCTU	49.75	4,97,500.00
Minor Projects	--	--	--	--
Interdisciplinary Projects	--	--	--	--
Industry sponsored Projects	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students Research Projects (other than compulsory by the College)	--	--	--	--
International Projects	--	--	--	--
Any other(Specify)	--	--	--	--
Total	--	--	--	--

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(s)
A Workshop on "Ideating-> Inventing->Patenting"	All Branches (CSE, ECE, EEE, ME, CIVIL)	02.12.2016
A Seminar on "STUDY ABROAD" conducted by MANYA EDUCATION	All Branches (CSE, ECE, EEE, ME, CIVIL)	08.03.2017

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

Title of the innovation	Name of the Awardee	Awarding Agency	Year of Award	Category
Sustainable Development at United Nations - USA	Mr. Sharana Basava	World Merit 360	15/07/2016	Represented India at United Nations for Sustainable Development Goals (one among five students selected to)
Bronze Partner Faculty	Mr. Kiran Mudaraddi and Mr. Sridhar S. K.	INFOSYSCA MPUS CONNECT	14/07/2016	Excellence performance in Teaching students industry oriented courses. Awarded by Infosys Ltd., for his
IBM Specialty LAB Cloud Computing, Big Data Analytics and Mobile Computing	BITM, Ballari	IBM SPECIALITY LAB	31/10/2016	CSE, ECE
Ni-Lab view Academy	BITM, Ballari	Ni-Lab Academy	30/11/2016	ECE
Confederation of Indian Industry CII	BITM, Ballari	CII Indian Industry	05/10/2016	BITM
Proficiency Award from IIT, Bombay towards setting-up e-Yantra Lab	Mr. Naseeruddin, Mr. Prabhakar.K, Mr. William Thomas.H.M, Mr. Manjunath.G	IIT, Bombay	18/07/2016	Dept. of ECE

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

Incubation Centre	Name	Sponsored by
---	---	---
Name of the Start-up	Nature of Start-up	Date of commencement
---	---	---

3.3 Research Publications and Awards

3.3.1 Incentive to the teachers who receive recognition/awards

State	National	International
Additional Increment	Sponsorship for International Conferences and Funding for quality publications.	Sponsorship for International conferences held abroad and Funding for quality publications.

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

Name of the Department	No. of Ph. Ds Awarded
---	---

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

	All Departments	No. of Publication	Average Impact Factor, if any
National	CSE / ECE / EEE /ME / CIVIL / MBA / PHYSICS / CHEMISTRY / MATHS	4	CSE - 2.5 ECE - 4.059 CIVIL - 5.4
International	CSE / ECE / EEE /ME / CIVIL / MBA / PHYSICS / CHEMISTRY / MATHS	100	---

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

Department	No. of publication
Mechanical Engineering Books Published	03
CSE, ECE, EEE, CIV, ME and MBA Conference Proceedings	28

3.3.5 Bibliometric of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citations
Synthesis, Characterization and Liquid Petroleum Gas sensing of ZnFe ₂ O ₄ Nanoribbons, Doped Polyaniline Nanocomposites	Khened B. S.	SENSOR LETTER	2016	2	BITM	2
High Sensitivity and selectivity of LPG Gas by three dimensional molecular ordered polyaniline / CeO ₂ Nanocomposites	Khened B. S.	SENSOR LETTER	2016	--	BITM	1
Testing The Stability Of	Dr. Janet	International	2016	0	BITM	2

Beta In Indian Stock Market	Jyothi Dsouza	Journal Of Management And Social Science Research				
Financial Performance Of Public Sectors Banks In India- An Evaluation	Dr. Janet Jyothi Dsouza	International journal of Business Administration Research Review	2016	0	BITM	1
Quarterly Earnings And Stock Prices Reactions,- A study of BSE-500 Companies	Dr. Janet Jyothi Dsouza Dr. Mallikarjuna ppa T	Amity Journal of Finance	2016	0	BITM	6
Stock Price Reactions to Earnings Announcements in Indian Stock Market	Dr. Janet Jyothi Dsouza Dr. Mallikarjuna ppa T	AIMS International	2017	--	BITM	3
The Impact of Reality Shows of Television on the Youth of Ballari	D. Christopher Raj and Dr. Poornima .Y	IJBARR Impact	2016	--	BITM	--
The Impact of the Perception of Films on the Behavioural Aspects of Audiences in Ballari City - An Empirical Study	D. Christopher Raj and Dr. Poornima .Y	ISSN -2395-1877	2017	--	BITM	--
Effect of tool pin profile on dissimilar friction stir welding of aluminium alloy AA 7075 T651 and AA 6061 T6	H M Anil Kumar	International journal of latest trends in engineering and technology vol 8, issue,may 2017	2017	1	BITM	1
Validation of Centralised Data Processing Unit for a Manufacturing setup through Simulation	PooviArasan,	International journal of Innovative research in Science , Engineering and Technology Vol 5,Issue 7 July 2016	2016	--	BITM	--
Design and Numerical Studies on Clamping Fixture for Machining an Automotive Pump Body	Dr.Raghavendra Joshi,	International journal for Research in Applied Science Engineering Technology Vol 4 issue7 July 2016	2016	--	BITM	--
Experimental Analysis of solar Air Heater with Broken Ribs absorber Plate for Fruits Drying applications	Shekar K, Ravi G, Gavididhesha P, Banakara Nagaraja	International journal of Innovative research in Science , Engineering and Technology Vol	2016	--	BITM	--

		5,Issue 8 Aug 2016				
Vibration Based Condition Monitoring Of Shaft Motor For Generator	Pavan Kumar B K, Dr. Yadavalli Basavaraj	National Conference on progress and research in Mechanical Engineering (PRIME 16) sep 2016	2016	--	BITM	--
Aerodynamic Characteristic Analysis of UAV By Using CFD	Dr.V Ravi	International Journal for Research in Applied Science and Engineering Technology. Vol.4, Issue 8. Aug 2016	2016	--	BITM	--
Importance of Condition Based Maintenance An Overview	Dr. Yadavalli Basavaraj, Pavan Kumar B K	International Journal of Innovative Research in Science, Engineering And Technology. Vol. %, Issue 9, Sep 2016	2016	--	BITM	--
Importance of Condition Based Maintenance An Overview	Dr. Yadavalli Basavaraj,	International Journal of Innovative Research in Science, Engineering And Technology. Vol. %, Issue 9, Sep 2016	2016-17	--	--	BITM, BALLARI
Importance of Condition Based Maintenance An Overview	Pavan Kumar B K	International Journal of Innovative Research in Science, Engineering And Technology. Vol. %, Issue 9, Sep 2016	2016-17	--	--	BITM, BALLARI
Finite Element Analysis of Two Wheeler Disc Brake Rotor	ShivaramaKrishna,Pavan Kumar B K, Mayur Pawar, Manjunath E, Vijay Kumar B P	Imperial Journal of Interdisciplinary Research Vol. 2 ,Issue 7 ,2016	2016	--	BITM	--
Study of Microstructure and Wear Behavior of Al-Si-Cu-Fe Alloy	Shivarama Krishna A, Dr. Yadavalli Basavaraj	National Conference on progress and research in Mechanical Engineering (PRIME 16) Sep 2016	2016	--	BITM	--

Study of Microstructure and Wear Behavior of Al-Si-Cu-Fe Alloy	Shivarama Krishna A	National Conference on progress and research in Mechanical Engineering (PRIME 16) sep 2016	Confer ence	--	--	BITM, BALLARI
--	---------------------	--	----------------	----	----	------------------

Study of Mechanical Properties and Drilling Behaviour of Al7075reinforced with B4C	Shivarama Krishna A, Dr. Raghavendra Joshi, Manjunath TH	Materials today Science Direct 2017	2016	1	BITM	--
Restructuring of Legacy 'C' Program to be Amenable for Multicore Architecture	Dr. R N Kulkarni	ICRTEST	2016	3	BITM	--
Eagilla: an Enhanced mobile Agent Middleware for WSN	Dr. R.V.Biradar	AEJ	2017	6	BITM	5
Energy utilization and security enhancement using practical swam optimization(PSO)	Dr. R.V.Biradar	ICAT	2016	--	BITM	--
Offline Data Synchronization with Occasionally Connected Database using Smart - IPMS	R.M.Jagadish	LNEE, Springer	2017	--	BITM	--
Performance Evaluation Of MANET Protocols: A Propagation Model Perspective	Dr. V.C.Patil	ICATCCT-2016	2016	978-1-5090-2399-8/16/\$31.00 ©IEEE	BITM, Ballari	--
Design and Implementation of wireless water level management system using ZigBee technology	Dr. V.C.Patil	IJIRSET	2017	2319-8753	BITM, Ballari	--
Eye blink controlled robot using EEG technology	Dr. U Eranna	ISETE	2017	978-93-86291-63-9	BITM, Ballari	--
Design and analysis of circular MPA using multi-layer Substrate sandwich for bandwidth enhancement	Dr. K.M.Sadyoja tha	ICICES	2017	978-1-5090-6135-8/17/\$31.00©2017 IEEE	BITM, Ballari	--
Bandwidth Enhancement Techniques for MPA for Wideband and Multiband Applications	Dr. K.M.Sadyoja tha	IJIRSET	2017	978-1-5090-6621-6/17/\$31.00©2017 IEEE	BITM, Ballari	--
Energy Detection with different Digital Modulation Techniques	Mr. Rohitha U.M	IEEE i PACT2017	2017	978-1-5090-	BITM, Ballari	

over Rayleigh Fading Channels in Cognitive Radio Networks				5682-8		
Fast Optimal and eXplorativeFOX Sensing and Power Allocation Scheme for Non-Cooperative Cognitive Radio Networks	Mr. Rohitha U.M	IEEE RTEICT 17	2017	978-1-5-90-37-4	BITM, Ballari	
Efficient Privacy Aware Routing Technique for Monitoring Assets with WSNs	Ms. Manjula. R	ACM, New York	2017	-	BITM, Ballari	
Application of the Chinese Remainder Theorem for Source Location Privacy in Wireless Sensor Networks	Ms. Manjula. R	Student Technology Symposium, IIT Kharagpur	2016	DOI: 10.1109/TechSym.2016.7872682	BITM, Ballari	
Performance Evaluation Of MANET ProtocolsA Propagation Model Perspective	Mr. Naseeruddin	iCATccT	2017	978-1-5090-2399-8/16/\$31.00 c IEEE	BITM, Ballari	
Design and analysis of circular MPA using multi-layer Substrate sandwich for bandwidth enhancement	Mr. Naseeruddin	ICICES	2017	978-1-5090-6135-8/17/\$31.00 ©2017 IEEE	BITM, Ballari	
Energy Detection with different Digital Modulation Techniques over Rayleigh Fading Channels in Cognitive Radio Networks	Mr. Fareduddin J.S	IEEEi- PACT2017	2017	978-1-5090-5682-8	BITM, Ballari	
Fast Optimal and eXplorative(FOX) Sensing and Power Allocation Scheme for Non-Cooperative Cognitive Radio Networks	Mr. Fareduddin J.S	IEEE RTEICT 17	2017	978-1-5-90-37-4	BITM, Ballari	
A Novel Image Localization Methods for Image Forgery	Mr. Vishnukanth .K	IJIRCCE,	2017		BITM, Ballari	
Multiple detection and dynamic tracking using upgraded kalman filter	Mr. Hemantha Kumar R	IJRSI	2017	2321-2705	BITM, Ballari	
Design and analysis of circular MPA using multi-layer Substrate sandwich for bandwidth enhancement	Mr. Manjunath. G.	ICICES	2017	978-1-5090-6135-8/17/\$31.00 ©2017 IEEE	BITM, Ballari	

Bandwidth Enhancement Techniques for MPA for Wideband and Multiband Applications	Mr. Manjunath. G.	ICCIC 2017	2017	978-1-5090-6621-6/17/\$31.00 ©2017 IEEE	BITM, Ballari	
A Framework for Data Utility Cost Reduction in Internet of Things Employing Vehicle Nodes”	Mr. Manjunath. G.	IJRSET	2017	2319-8753, DOI:10.15680	BITM, Ballari	
Eye blink controlled robot using EEG technology	Mr. Ulaganathan J	ISETE	2017	978-93-86291-63-9	BITM, Ballari	
Versatile optics imaging of retinal microstructures	Mr. Ulaganathan J	IJIRCCE	2017	2320-9801	BITM, Ballari	
A Scalable embedded system for medical signal processing	Mr. Ulaganathan J	IJIRCCE	2017	2320-9801	BITM, Ballari	
Biofeedback Acquisition using EMG	Mr. Ulaganathan J	ISETE- ICEEC	2017	2320-2084	BITM, Ballari	
Design and Implementation of shortest path and Fault Tolerant Algorithm in NOC	Mr. Ulaganathan J	ISETE- ICEEC	2017	2320-2084	BITM, Ballari	
Design and Verification of Improved Hamming code using Verilog	Mr. Ulaganathan J	ISETE- ICEEC	2017	2320-2084	BITM, Ballari	
Eye blink controlled robot using EEG technology	Mr. Ulaganathan J	ISETE- ICEEC	2017	2320-2084	BITM, Ballari	
Eye blink controlled robot using EEG technology	Mr. Abdul Lateef Haroon, Mr. Raymond Irudayaraj. I	ISETE	2017	978-93-86291-63-9	BITM, Ballari	
Noise optimization using FIR Filters	Mrs. Nilam Chheda	IJ OF VLSI and Signal Processing, SSRG India	2017	2394-2584	BITM, Ballari	
Verilog Implementation of 64 bit redundant binary product generator using MBE	Mr. Mallikarjuna . A	IJARIE	2017	2395-4396	BITM, Ballari	
Smart Garbage Collection Routing application using IOT and Aurdino board	Mr. Mallikarjuna . A	IJARIE	2017	2395-4396	BITM, Ballari	
Photo forgery identification by adaptive over segmentation	Mr. Prabhakar. K	IJRSET	2017	2319 - 8753	BITM, Ballari	
Design and implementation of arbitrary waveform generator on FPGA and High speed DAC with real time interface	Mr. Pramod Mutalik	IJRSET	2017		BITM, Ballari	

Real time management of traffic congestion using image processing	Mr. Pramod Mutalik	NCRAET_2017	2017	2320-9798	BITM, Ballari	
A Comparative study on AODV,DSR and DSDV routing protocols for ITS in metro cities for road traffic safety using VRTA	Mr. Pramod Mutalik	IEEE paper (SI) ICAECCT-2016	2017	101109/ICAECCT. 2016.79 42618 ISBN:9 78-1-5090-3662-2	BITM, Ballari	
Role of IoT in Agriculture	Mrs. Geetha H Y	IJARSE	2017	2319-8354	BITM, Ballari	
Non-Exhaustible Solar-Power Based Insecticide or Bio-fertilizer Sprayer for Use in Agronomics With Bluetooth Enabled Control	Mrs. Geetha H Y	IJERA	2017	109790/9622-0703677 8	BITM, Ballari	
Design and Implementation of Multi-Modulus Multipliers using Radix 2 2 and Radix 2 3 Booth Encoding Scheme	Mr. Sekhar Bentipalli	IJIRCCE	2016	2320-9798	BITM, Ballari	
An Efficient Reverse Converter Design for Five Moduli set RNS.	Mr. Sekhar Bentipalli	IJIRCCE	2016	2319-5940	BITM, Ballari	
A Survey on Secure Communication Protocols for IoT Systems	Mr. Aswathanarayana	IJECS	2017	10.18535-2319-7242	BITM, Ballari	
Waste Management in IOT-enabled	Mr. Aswathanarayana	IJECS	2017	10.18535-2319-7242	BITM, Ballari	
Design of NoC Router to Achieve High- Throughput, compact, Delay insensitivity	Mrs. Nayana M	IJAREEIE	2016	15662/IJAREEIE.2015.050 5001 ISSN: 2278 - 8875	BITM, Ballari	
Design and Implementation of Modified clock generation.	Mrs. Nayana M	IJRET	2016	2319-1163	BITM, Ballari	
Basic Operation Performed on Arithmetic Logic Unit ALU For 32Bit Floating Point Numbers	Mrs. Nayana M	IJAER	2017	0973-4562	BITM, Ballari	
Performance Evaluation of 10mwp solar power plant at Shiva Samudram power station.	Mrs. Nayana M	IJEER	2017	0975-6450	BITM, Ballari	

Implementation of test architecture for 64 bit Walsh sequence generator	Mrs. Nayana M	IJAREM	2017	2456-2033	BITM, Ballari	
Design of low power programmable PRPG with test comparison capabilities using FPGA	Mrs. Nayana M	IJAREM	2017	2456-2033	BITM, Ballari	
Design and Implementation of MultiModulus Multipliers using Radix 22 and Radix 23 Booth Encoding Scheme	Mr. Sekhar Bentipalli	IJIRCCE	2016	2320-9798	BITM, Ballari	
An Efficient Reverse Converter Design for Five Moduli set RNS.	Mr. Sekhar Bentipalli	IJIRCCE	2016	2319-5940	BITM, Ballari	
A Survey on Secure Communication Protocols for IoT Systems	Mr. Aswathanarayana	IJECS	2017	18535-2319-7242	BITM, Ballari	
Waste Management in IOT-enabled	Mr. Aswathanarayana	IJECS	2017	2319-7242	BITM, Ballari	
Design of NoC Router to Achieve High- Throughput, compact, Delay insensitivity	Mrs. Nayana M	IJAREEIE	2016	15662/IJAREEIE .2015.05 0 5001 ISSN: 2278 - 8875	BITM, Ballari	
Design and Implementation of Modified clock generation.	Mrs. Nayana M	IJRET	2016	2319-1163	BITM, Ballari	
Basic Operation Performed on Arithmetic Logic UnitALUFor 32Bit Floating Point Numbers	Mrs. Nayana M	IJAER	2017	0973-4562	BITM, Ballari	
Performance Evaluation of 10mwp solar power plant at Shiva Samudram power station.	Mrs. Nayana M	IJEER	2017	0975-6450	BITM, Ballari	
Implementation of test architecture for 64 bit Walsh sequence generator	Mrs. Nayana M	IJAREM	2017	2456-2033	BITM, Ballari	
Design of low power programmable PRPG with test comparison capabilities using FPGA	Mrs. Nayana M	IJAREM	2017	2456-2033	BITM, Ballari	

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self-citations	Institutional affiliation as mentioned in the publication
Effect of tool pin profile on dissimilar friction stir welding of aluminium alloy AA 7075 T651 and AA 6061 T6	H M Anil Kumar	International journal of latest trends in engineering and technology Vol 8, issue, may 2017	2017	2	1	BITM, BALLARI
Validation of Centralised Data Processing Unit for a Manufacturing setup through Simulation	PooviArasan,	International journal of Innovative research in Science, Engineering and Technology Vol 5, Issue 7 July 2016	2016	0	0	BITM, BALLARI
Design and Numerical Studies on Clamping Fixture for Machining an Automotive Pump Body	Dr. Raghavendra Joshi,	International journal for Research in Applied Science Engineering Technology Vol 4 issue7 july 2016	2016	0	0	BITM, BALLARI
Experimental Analysis of solar Air Heater with Broken Ribs absorber Plate for Fruits Drying applications	Shekar K, Ravi G,Gavisidde sha P,Banakara Nagaraja	International journal of Innovative research in Science, Engineering and Technology Vol 5, Issue 8 Aug 2016	2016	--	--	BITM, BALLARI
Vibration Based Condition Monitoring Of Shaft Motor For Generator	Pavan Kumar B K, Dr. Yadavalli Basavaraj	National Conference on progress and research in Mechanical Engineering (PRIME 16) Sep 2016	2016	--	--	BITM, BALLARI
Aerodynamic Characteristic Analysis of UAV By Using CFD	Dr. V Ravi	International Journal for Research in Applied Science and Engineering Technology. Vol.4, Issue 8. Aug 2016	2016	--	--	BITM, BALLARI
Finite Element Analysis of Two Wheeler Disc Brake Rotor	Shivarama Krishna, Pavan Kumar B K,Mayur Pawar,Manjunath E,Vijay Kumar B P	Imperial Journal of Interdisciplinary Research Vol. 2, Issue 7, 2016	2016-17	--	--	BITM, BALLARI
Drilling Parameters Optimization and Characterization of Al 7075 reinforced with Al2O3	Manjunath T H,Raghavendra Joshi, Dr. Yadavalli Basavaraj,A nil Kumar H M	Materials today Science Direct 2017	2017	--	--	BITM, BALLARI
Study of Microstructure	Dr. Yadavalli Basavaraj	National Conference on	2016	--	--	BITM, BALLARI

andWear Behavior of Al-Si-Cu-Fe Alloy		progress and research in Mechanical Engineering (PRIME 16) sep 2016				
Study of Mechanical Properties and Drilling Behaviour of Al7075reinforced with B4C	Shivarama Krishna A, Dr. Raghavendra Joshi, Manjunath TH	Materials today Science Direct 2017	2017	--	--	BITM, BALLARI
Restructuring of Legacy 'C' Program to be Amenable for Multicore Architecture	Dr. R N Kulkarni	ICRTEST	2016	3	--	BITM, BALLARI
Eagilla an Enhanced mobile Agent Middleware for WSN	Dr. R.V. Biradar	AEJ	2017	3	5	BITM
Energy utilization and security enhancement using practical swam optimization(PSO)	Dr. R.V. Biradar	ICAT	2016	-----	--	BITM, BALLARI
Offline Data Synchronization with Occasionally Connected Database using Smart -IPMS	R.M. Jagadish	LNEE, Springer	2017	-----	--	BITM, BALLARI
Assortment of MANET routing protocols and its parameters for different environments	Dr. V.C.Patil	ICEECCOT IEEE	2017	978-1-5386-2361-917	--	BITM, BALLARI
Design and Simulation of Low Drop out Voltage using 180nm CMOS Technology	Mr. Premachand D.R, Dr. U Eranna	ICEECCOT	2017	978-1-5386-2361-9/17/\$31.00	--	BITM, BALLARI
Paradoxical Monitoring of Urban Areas and Mailbags Tracking system using RFID and GPS	Dr. U Eranna, Mr. Ulaganathan J	ICEECCOT IEEE	2017	978-1-5386-2361-9/17	--	BITM, BALLARI
Signal Processing based diagnosis of cardiovascular Anomalies	Dr. U Eranna, Mr. Abdul Lateef Haroon	ICEECCOT IEEE	2017	978-1-5386-2361-9/17	--	BITM, BALLARI
An Enhanced Source Location Privacy Protection Technique for Wireless Sensor Networks using Randomized Routes	Ms. Manjula R	IETE Journal of Research	2017	https://doi.org/10.1080/03772063.2017.13716520377-2063	--	BITM, BALLARI
A Three Phase Explorative Sensing and Power Allocation Scheme for Non-Cooperative Cognitive Radio Networks	Mr. Fareduddin J.S	IJRASET	2017	2321-9653	--	BITM, BALLARI
Location based hybrid spectrum sensing and power allocation in cognitive radio networks	Mr. Fareduddin J.S	IEEE SMARTTECHCON August 2017	2017	ISBN:978-1-5386-0569-1	--	BITM, BALLARI
Assortment of Manet routing protocols and its parameters for	Mr. Mallikarjuna. A	IEEE/ICEECCOT	2017	978-1-5386-2361-917	--	BITM, BALLARI

different environments						
A Comparative Analysis on the Power Consumption Due to Carry Input in Adder Architectures	Mr. Naseeruddin	IEEE	2017	10.1109/ICCI C.2017.8524162/978-1-5090-6621-6	--	BITM, BALLARI
Bandwidth Enhancement Techniques for MPA for Wideband and Multiband Applications	Mr. Naseeruddin	ICCIC	2017	978-1-5090-6621-6/17/\$31.00 ©2017 IEEE	--	BITM, BALLARI
A survey on VANETs protocol for improving safety in urban area	Mr. Pramod Mutalik	IEEE SMARTTECHCON August 2017	2017	DOI:10.1109/SmartTechon.2017.8358491 ISBN 978-1-5386-0569-1	--	BITM, BALLARI
Design and Implementation of Front End Biological Signal Conditioning	Mr. Ulaganathan J, Dr. K.M. Sadyojatha	ICEECCOT	2017	978-1-5386-2361-9/17	--	BITM, BALLARI
Smart Home Based user Data Prediction Algorithm model	Dr. K.M. Sadyojatha, Mr. Ulaganathan J, Mr. Abdul Lateef Haroon, Mr. Raymond I	ICEECCOT	2017	978-1-5386-2361-9/17	--	BITM, BALLARI
Design and Implementation of Front End Biological Signal Conditioning	Mr. Abdul Lateef Haroon, Mr. Raymond I	ICEECCOT	2017	978-1-5386-2361-9/17	--	BITM, BALLARI
Paradoxical Monitoring of Urban Areas and Mailbags Tracking system using RFID and GPS	Mr. Abdul Lateef Haroon, Mr. Raymond I	ICEECCOT	2017	978-1-5386-2361-9/17	--	BITM, BALLARI

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year:

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	07	159	9	-
Presented papers	99	25	--	-
Resource Persons	1	5	--	-

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 co-ordinated such activities	Number of students participated in such activities
Details of Yuva Red Cross -IRCS	NSS UNIT	3	53
Issue Of NSS Diary Certificates Badges	NSS UNIT	3	100
Independence Day 15.08.2016	NSS UNIT	3	70
Essay Writing	NSS UNIT	3	25
Akshaya Urj Diwas Renewable Source	NSS UNIT	3	30
Ozone Day -World Environment Day	NSS UNIT	3	300
Use of Crackers-Pollution Awareness Programme	NSS UNIT	3	20

Use of Plastics Awareness Programme Collection	NSS UNIT	3	20
Gandhi Jayanthi	NSS UNIT	3	65
Karnataka Rajyotsava	NSS UNIT	3	74
Helping Hands To Orphanages Swatch Bharath	NSS UNIT	3	40
Worlds Aids Day	NSS UNIT	3	25
National Youth Day	NSS UNIT	3	30
Voluntary Blood Donation Camp	NSS UNIT	3	230
Matribhasha Diwas	NSS UNIT	3	8
VTU NSS Sub-Committee Members Meeting	NSS UNIT	3	1
Leadership Camp	NSS UNIT	3	7
Submission of Report And Utilization Of NSS Grants	NSS UNIT	3	1
Swatch Bharath Mission 2017-Awareness Programme On Wall Painting	NSS UNIT	3	5

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	No. of Students benefited
NIL	NIL	NIL	NIL

3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swatch 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 coordinated such activities	Number of students participated in such activities
NSS	BITM-NSS Unit	Details of Yuva Red Cross - IRCS	3	53
NSS	BITM-NSS Unit	Issue Of NSS Diary Certificates Badges	3	100
NSS	BITM-NSS Unit	Independence Day 15.08.2016	3	70
NSS	BITM-NSS Unit	Essay Writing	3	25
NSS	BITM-NSS Unit	Akshaya Uraj Diwas Renewable Source	3	30
NSS	BITM-NSS Unit	Ozone Day - World Environment Day	3	300
NSS	BITM-NSS Unit	Use of Crackers - Pollution Awareness Programme	3	20
NSS	BITM-NSS Unit	Use of Plastics Awareness Programme Collection	3	20
NSS	BITM-NSS Unit	Gandhi Jayanthi	3	65
NSS	BITM-NSS Unit	Karnataka Rajyotsava	3	74
NSS	BITM-NSS Unit	Helping Hands To Orphanages Swatch Bharath	3	40
NSS	BITM-NSS Unit	Worlds Aids Day	3	25
NSS	BITM-NSS Unit	National Youth Day	3	30
NSS	BITM-NSS Unit	Voluntary Blood Donation Camp	3	230
NSS	BITM-NSS Unit	Matribhasha Diwas	3	8
NSS	BITM-NSS Unit	VTU NSS Sub-Committee Members Meeting	3	1
NSS	BITM-NSS Unit	Leadership Camp	3	7
NSS	BITM-NSS Unit	Submission of Report And Utilization Of NSS Grants	3	1
NSS	BITM-NSS Unit	Swatch Bharath Mission 2017-Awareness Programme On Wall Painting	3	5

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	CSE-103, ECE-24, ME-	BITM-R and D Fund	180

	12		
Wipro Technology learning centre inter disciplinary projects	30	BITM	360
Student Exchange	1	BITM	90
Faculty Exchange	5	BITM	2
E-Yantra Lab	15	BITM	120

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-To)	Participant
On-Job Training	Infosys Campus Connect	Infosys Ltd.,	01.02.2017 20.05.2017	148
On-Job Training	IBM Speciality Labs	IBM India Pvt. Ltd.,	17 th to 22 nd April 2017	38
On-Job Training	IBM Speciality Labs	IBM India Pvt. Ltd.,	11 th to 20 th May 2017	41
On-Job Training	E-Yantra Robotics Lab	IIT-Mumbai	01.03.2017 to 30.05.2017	16
Internship	Steel Industry	JSW Steels Ltd.,	25.01.2017 to 24.02.2017	10
Internship	VTU Internships	Banking / Finance / Marketing and HR Industries	28.12.2016 to 10.06.2017	124
Internship	VTU Internships	JSW / BTPS	25.01.2017 to 24.02.2017	02
Sharing of Research Facility	Physics and Chemistry Research Lab,	VSK University and Veerashaiva College Ballari	15.07.2016 to 30.06.2017	14
Sharing of Research Facility	FMS Lab.	Local Small Scale Industries-SGP	15.07.2016 to 30.06.2017	117
Skill Development	Surya Mitra	Govt. of India, Ministry of Renewal Energy	15.07.2016 to 30.06.2017	30

3.5.3 MoU's signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU's signed	Purpose and Activities	Number of students/teachers participated under MoU's
IBM Specialty LAB()	27.12.2016	Certification for Cloud Computing, Big Data Analytics and Mobile Computing	22
Renewal of Infosys Campus Connect	16.12.2016	Certification for Infosys Foundation Program and Soft skills	148
J/Q Spiders	26.12.2016	Skill Development in the area of Manual and automated testing and JAVA programming	143

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
214.00	212.59

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	11.00	Nil
Class rooms	49	01
Laboratories	43	06
Seminar Halls	07	07
Classrooms with LCD facilities	20	06
Classrooms with Wi-Fi/ LAN	49	Nil
Seminar halls with ICT facilities	04	04
Video Centre	01	01
No. of important equipment's purchased (\geq 1-0 lakh) during the current year.	--	09
Value of the equipment purchased during the year (Rs. in Lakhs)	--	New
Others	As per schedule	Building, computers, equipment

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	24.11.2008

4.2.2 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	97798	23773364	397	148775	98195	23922139
Reference Books	9318	2351211	29	21735	9347	2926146
e-Books	13235	720840 VTU Consortium	222	VTU Consortium	--	720840
Journals	91	237825	99	270908	--	1755569
e-Journals	16000	2369750	0			13666202
Digital Database	08		08			
CD and Video	NPTEL	--	NPTEL 270+ online courses	--	NPTEL 270+ online courses	--
Library automation			NPTEL local chapter [SPOC]		NPTEL local chapter [SPOC]	
Weeding (Hard and Soft)	97798	23773364	397	148775	98195	23305939
Others (specify)	9318	2351211	29	21735	9347	2926146

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 and 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
---	---	---	---

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	947	709	101	--	--	32	98	01	
Added	83	--	--	--	--	18	--	--	
Total	1030	709	101	--	--	40	98	01	

4.3.2 Bandwidth available of internet connection in the Institution (Leased line) **64 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	http://10.0.150.11/econtent
NPTEL	www.nptel.ac.in
NDL	https://ndl.iitkgp.ac.in

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
107.70	10784940 (Library Books, Consumables, E-Resource Consortium Fee, Maintenance of Equipment, Newspapers and Periodicals, Printing and Stationery)	120.00 (Building Maintenance, Campus Maintenance, Vehicle Maintenance)	9811286/-

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)

<p>The 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, Students spaces, Laboratory equipment, Teaching aids, Learning resources, etc., to enhance the overall student experience at our institution.</p> <p>Classrooms We have adequate number of spacious Classrooms with proper ventilation and natural lighting for conducting Theory classes. Ergonomically designed benches have been provided for students.</p> <p>Teaching aids.</p> <ol style="list-style-type: none"> 1. White Boards and Green boards are available in the Campus 2. Classrooms with LCD Projectors 3. Classrooms with Wi-Fi-LAN enabled Internet connectivity in the Classrooms
--

Seminarhalls

Seminarhalls with state-of-the-art ICT facilities to conduct College-level Events, State, National and International Conferences, Workshops and Symposia.

Laboratories or Workshops

All the Laboratories or Workshops are well-equipped with latest state-of-the-art equipments and materials not only to cater towards imparting of Curriculum related aspects to students as well go a level above in acting as a catalyst to motivate students to engage in Research related activities too. The Labs and Workshops are maintained well with regular/periodical 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 specializations being offered on campus.

The Libraries contain a vast collection of Semester books, Reference books, Competitive exam books, Bound volumes, Journals, Conference proceedings, e-Books, CDs/DVDs, student Thesis, Dissertations, Periodicals, e-Journals, etc.

Library automation

The Library has Fully automated all its services by implementing **EasyLib** software for all Library related activities in the year 2016.

e-Journal-Resources

e-Journal-Resources have been subscribed to by the college through the VTU Consortium.

Digital Library Resources

The Library is subscribing to e-Resources for all the Programmes, namely.. Undergraduate, Postgraduate, through the Visvesvaraya Technological University V.T.Ue-Resources Consortium.

Issuance and return of books

Issuance/Circulation of Books - Semester books for UG and PG sections will be issued for readers. Reference Services - Reference books are for reference only inside the respective Libraries..not issued to readers. Book Bank Facility - This facility is provided exclusively for SCST 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 to improve their creativity, interpersonal and organizing skills.

Computers and Peripherals, Network Infrastructure

Preventive Routine maintenance is handled by the respective department technical staff. Breakdown maintenance is handled by the System Administrator.

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
	Govt. of Karnataka OBC, SC, ST Scholarships	2261	55938000
Financial support from other sources		2380	57094000
a) National	-	-	-
b) International	-	-	-

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
Queuing theory. Operations Research	12/08/2016	58	BITM
Velocity Diagrams for the analysis of Hydraulic and Francis Turbines. Turbo machines	22/10/2016	25	BITM
Balancing of Reciprocating masses Gyroscope problems and Solutions. Dynamics of Machines	25/11/2016	74	BITM
Columns, problems and Solutions Shear Force and Bending moment Diagrams. Mechanics of Materials	25/11/2016	50	BITM
Entropy and Pure substances. Basic Thermodynamics	27/11/2016	57	BITM
Air Standard Cycles, Gas turbines, and Jet propulsions IC Engines, Psychometric. Applied Thermodynamics	16/02/2017	65	BITM
Heat Convection and Heat-Exchangers, Problems and Solutions. Heat and Mass Transfer	11/03/2017	25	BITM
Velocity and acceleration analysis of 4Bar and Slider crank Mechanisms Klein's construction for slider crank mechanisms. Kinematics of Machines	28/05/2017	40	BITM
Aptitude and Soft skills training.	13/07/2016	129	Bizotic Talent solutions.
Aptitude and Soft Skills Training	12/07/2016	127	Innovation Unlimited Solutions

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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2016-17	Soft Skills	10	40	5	345

5.1.4 Institutional mechanism for transparency, timely re-dressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance re-dressal
1	1	1

5.2 Student Progression

5.2.1 Details of campus placement during the year

On Campus				Off Campus		
Sl No	Name of the Organization	Number of students participated	Number of students placed	Name of the Organization	Number of students participated	Number of students placed
1	Capgemini	122	24	Bajaj Finance, Ballari	1	1
2	Mind Tree	110	5	Dilip Associates, Toranagallu	1	1
3	CGI	165	31	Flipkart, Bengaluru	1	1
4	Tech Mahindra	180	34	ABB, Bengaluru	3	3
5	SLK Software	190	11	Accurate Engg. Pvt. Ltd., Bengaluru	4	4
6	L and T Technology	95	9	Aishwarya Healthcare, Sikkim	1	1
7	Torry harris	65	3	Altisource Business Solutions Pvt. Ltd.	1	1
8	EDS Technologies	42	1	Anawave Systems and Solutions Pvt. Ltd.	1	1
9	Suzlon	36	3	Aricent Technologies Limited	2	2
10	L and T Infotech	38	4	Basav Engineering School of Technology, Zalki	1	1
11	TCS	54	3	BEL	3	3
12	247 Customer Pvt. Ltd.	34	2	BEML Ltd., Bengaluru	1	1
13	Applied Technosystems	20	1	BENGLOBE Solutions Software company	1	1
14	Attrra InfoTech Pvt. Ltd.	42	2	Bosch Automotive, Bengaluru	1	1
15	BOSCH	70	1	Bosch Service Center, Hospet	3	3
16	BEL	19	1	BSA Corporation Ltd., Pune	1	1
17	Cognizant	12	1	BTPS	2	2
18	EASi	16	1	Cadmaxx Solutions Pvt. Ltd., Bengaluru	1	1
19	Test Yantra Software Solutions	14	1	Calpion Pvt. Ltd., Bengaluru	2	2
20	Accenture, Bangalore.	15	1	Cargill Business Services India Pvt. Ltd.	1	1
21	ARTECH Info systems, Bangalore	19	3	Central Power Research Institute	1	1
22	Groupon Shared Services Pvt Ltd	6	1	Cigniti	3	3
23	TAVANT Technologies, Bangalore.	32	2	Codegnan IT Solutions, Vijayawada.	1	1
24	JSW Cement Ltd., Karnool, AP	24	1	CODEHIVE IT Solutions Pvt Ltd, Ballari	2	2
25	JSW Severfield Structures Ltd.	32	2	Conduent Business Services, Bangalore	2	2
26	Sriram Commercial Vehicle Finance	42	5	Copetech India Pvt. Ltd., Bengaluru	1	1
		1494	153	Credit Finance, Bengaluru	1	1
				CSE Power IndiaCore	1	1
				CSS Corporation American based company	1	1
				Danika Automation Technology	1	1
				DANLAW Telematics	1	1
				Diya Systems Pvt. Ltd.	1	1
				Durha Industries, Bangalore	1	1
				E Infrastructure and Entertainment India Pvt. Ltd.	1	1
				ECI telecom India Pvt. Ltd.	1	1
				EDS Technologies, Bangalore	1	1

			Eminence	1	1
			Filo Technologies Ltd, Bangalore	1	1
			FINGERTIP Technologies	1	1
			firstsource solutions limited	1	1
			GE Health Care, Bengaluru	1	1
			Genpact India Pvt. Ltd., Bengaluru	2	2
			GESCOM, Karnataka	1	1
			Global Axis Engg. Services, Bengaluru	1	1
			Green Semiconductors Pvt. Ltd.	1	1
			GTV Power Pvt. Ltd., Bengaluru	1	1
			HCL technologies	1	1
			HCL Technologies Ltd., Bengaluru	4	4
			Hexaware Tech. Pvt Ltd, Chennai	2	2
			Hospet Steels Ltd., Hospet	3	3
			HYPERSCALE	1	1
			IBM, Bengaluru	1	1
			IFAZone, Bangalore	1	1
			Indian Space Research Organization	1	1
			Intel Technologies Pvt. Ltd, Bangalore	1	1
			International Aerospace Manufacturing Pvt. Ltd.	1	1
			ION Broadband	1	1
			Ionidea	1	1
			ISTRAC	1	1
			Iteanz Technologies, Bangalore.	2	2
			J Pan Tubular Components Pvt. Ltd.	1	1
			JSW Steel Ltd., Toranagallu	16	16
			Kanithi Precisions Pvt. Ltd., Bengaluru	2	2
			Karthavya Technology Pvt. Ltd.	1	1
			Klaus It Solutions Pvt Ltd, Bangalore.	1	1
			KONE CRANES	1	1
			Koshyma Engg. Pvt. Ltd., Bengaluru	1	1
			KPTCL, Karnataka	2	2
			KSRTC, Karnataka	1	1
			Limetec Engg. Pvt. Ltd., Bengaluru	2	2
			Linde India, AP	2	2
			LOBO STAFFING SOLUTIONS	1	1
			MaruthiIsbath Energy Private Limited	2	2
			McAfee	1	1
			Medha Servo Drives Pvt. Ltd.	1	1
			Minera Steels and Power Pvt. Ltd., Ballari	2	2
			Momentum Business Solutions, Bangalore.	1	1
			MPTA Education Ltd., Bengaluru	1	1

			Needs Manpower support services Pvt. Ltd.	2	2
			NMDC Ltd., Ballari	1	1
			Nordsom India Pvt. Ltd., Bengaluru	1	1
			Novel Facility Service Pvt. Ltd., Bengaluru	1	1
			NTTF, Bengaluru	1	1
			Nurture Software Solutions Pvt Ltd.	2	2
			PARC IBeON Capgemini	1	1
			PARC IBeON Dell	2	2
			PARC IBeON IBM	1	1
			PARCIBeON Wipro	1	1
			Radiant SystemsCore company	1	1
			RCS Technologies	1	1
			Recaero India Pvt. Ltd., Bengaluru	1	1
			Reliance Retail Limited	1	1
			RelyonSofttech Ltd., Bengaluru	1	1
			SAB Agrotech, Bengaluru	1	1
			Sharana Sri Constructions, Ballari	3	3
			Sharoff Steel Traders, Bengaluru	1	1
			Shri Padmavathi Consultants	1	1
			SHRIRAM	1	1
			Sigma Minerals Ltd., Jodhpur	1	1
			Silvermine	1	1
			Siva Complete Solutions Digital Marketing	1	1
			Skanda Consultants, Bengaluru	1	1
			SMS-02 RHI India, Toranagallu	2	2
			Southern Electric Company	1	1
			Speridian Technologies, Trivandrum	1	1
			Spravis Enterprise Solution	1	1
			SQUARE N CUBE	1	1
			Square N Cube	1	1
			Stars Management, Bangalore	1	1
			Suez Water Technologies and Solutions	2	2
			Sun Tech Info-Media, Bangalore.	1	1
			Sun Technology Integrators Pvt. Ltd.	1	1
			SUZLON	1	1
			SVK Global SolutionsSoftware and Consultancy	1	1
			Symphony Max Engg. and Detailing Pvt. Ltd.	4	4
			T and M Service Consulting Pvt. Ltd.	1	1
			TATA ELXSI	1	1
			TeamLease Skills University	1	1
			The Hutti Gold Mines Co. Ltd., Lingsuguru	1	1
			TOSHIBA Transmission and Distribution	1	1
			Triveni, Toranagallu	1	1
			Utility Powertech Ltd., Kudgi	1	1
			Value B Infra, Bengaluru	1	1

				VAPS Technosoft Pvt Ltd	1	1
				Velocity 24 * 7, Gangavathi, Koppal	1	1
				Vengala Engg. Design Services Pvt. Ltd.	1	1
				VIHANTA	1	1
				VIJAYA BANK	1	1
				Vintech Industries, Bengaluru	1	1
				Virtuoso Automation Solution	1	1
				Vision Pvt. Ltd., Bengaluru	1	1
				Vokal India, Bangalore.	1	1
				WhyFlex	1	1
				Wipro Limited, Bengaluru	2	2
				YukthiDatasoft Pvt. Ltd.	1	1
				Zenith Precision, Bengaluru	1	1
					192	192

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2016-17	4	ENGG.	ELECTRICAL ENGG.	R.V. College, Bangalore	M.Tech Power Electronics
				SDM College - Dharwad	M.Tech Power Electronics
				BITM - Ballari	M.Tech Power Electronics
				AIMIT, Bangalore	M.B.A.
2016-17	13	B.E, Mechanical Engineering	Mechanical Engineering	VTU Regional Center, Gulbarga	M.Tech-Machine Design
				SIT, Tumkur	M.Tech-Thermal Power Engg.
				U V College of Engg., Bengaluru	M.Tech-Advanced Material Technology
				BITM, Ballari	M.Tech-Design Engg.
				KLE Technological University, Hubballi	MBA
				Ramaiah Institute of Technology, Bengaluru	M.Tech-Industrial Engg.
				Dayanand Sagar College Of Engg., Bengaluru	M.Tech-Design Engg.
				RYM Engg College, Ballari	M.Tech-Production Management
				BITM, Ballari	MBA
				BITM, Ballari	MBA
				BITM, Ballari	MBA
				Western Michigan University, USA	MS- Engg. Management
				PDA College of Engineering	Thermal Power Engg.
2016-17	15	CSE	CSE	Riga Technical University, Latvia	M.S
				KLE Technological University, Hubballi	M.Tech
				RNSIT, Bangalore	M.Tech

				RYMEC,Ballari	M.B.A
				Acharya Institute of Management and Science,Bangalore	M.B.A
				JNTUA College of Engineering,Anantapur	M.Tech
				Siddaganga Institute of Technology,Tumkur	M.Tech
				Siddaganga Institute of Technology,Tumkur	M.B.A
				Siddaganga Institute of Technology,Tumkur	M.Tech
				Dayananda Sagar College of Engineering,Bangalore	M.B.A
				Reva Institute of Science and Management,Bangalore	M.B.A
				Ballari Institute of Technology and Management, Ballari	M.Tech
				Adarsh Institute of Management and Information Technology,Bangalore	M.B.A
				Ballari Institute of Technology and Management, Ballari	M.Tech
				RYMEC,Ballari	M.Tech
2016-17	9	B.E.	ECE	-----	M.Tech./Other relevant Courses
	24				

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

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	---	---
SET	---	---
SLET	---	---
GATE	2	EE16561207195, EE19561202028
GMAT	---	---
CAT	---	---
GRE	01	0402
TOFEL	---	---
Civil Services	---	---
State Government Services	03	KE205215, KE205036, GE200672
Any Other	Central Govt. 01	5142
PGCET	09	3BR13EC012 3BR13EC015 3BR13EC028 3BR13EC049 3BR13EC080 3BR13EC118 3BR13EC124 3BR12EC112

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

Activity	Level	Participants
BADMINTONMen	VTU-GULBARGA ZONE	5
BADMINTON Women	VTU-GULBARGA ZONE	5
BASKET BALLMEN	VTU-GULBARGA ZONE	12

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) for the year

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
--	--	--	--	--	--	--

5.3.2 Activity of Student Council and representation of students on academic and 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

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No if yes give details (maximum 500 words):

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, Dt-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.

5.3.2 No. of registered/enrolled Alumni: **3250**

5.3.3 Alumni contribution during the year in Rupees): **Rs: 267000/-**

5.3.4 Meetings / activities organized by Alumni Association: **1 / 1**

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)

<p>VISION To contribute valuable graduates for industry and society through excellence in technical and management education and research.</p> <p>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</p> <p>-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.</p>

6.1.2 Does the institution have a Management Information System (MIS)?
Yes/No/Partial: **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):

<p>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.</p>
<p>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.</p>
<p>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.</p>
<p>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.</p>
<p>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 computers are available for all the Staff and Students.</p>
<p>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.</p>
<p>Industry Interaction - Collaboration College has setup BIRED cell with its office located in Bangalore for industry institute interaction and collaboration.</p>
<p>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.</p>

6.2.2 Implementation of e-governance in areas of operations:

<p>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 are carried out based on the budget.</p>
<p>Administration Eduwize ERP Software is used for overall administration and monitoring.</p>

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, POS Machines and etc.
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 for semester end examinations and the results are also announced on online in VTU portal.

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	B. S. Khened	BRIDGE-17, ICT-Academy, Bangalore	--	--
	Md. Anwar	Power Quality Issues and Mitigations PDA College, Gulbarga	--	--
	Kamal Kishore	Power Quality Issues and Mitigations PDA College, Gulbarga	--	--
2017	Ravi Kumar J S	Emotional Intelligence for Teaching and Academic Leadership		500
2017	Dinesh K	FDP on Capital Market Analytics	National Institute of Securities MarketNISM-Kristu Jayanti School of Management, Bangalore	5000
2017	Dinesh K	FDP on Using Blended MOOCs In Management Education	Indian Institute of ManagementIIM-B, Bangalore	3000
2016	Dinesh K	FDP on Derivatives	National Institute of Securities MarketNISM-IES Management College and Research Centre,Mumbai	5000
2016	Mr. Pavan Kumar B K	Research methodology and Latex	Raja Rajeswari College of Engg., Bangalore	3000
	Mr. Raghavendra Setty	Dynamic vibration analysis of gear box using ANSYS software	MIT Manipal	6000
2016	Dr. R N Kulkarni	Partnership Reinforcement and Development EngagementPRIDE TCSion	TCS, Bangalore	Rs. 2000
	Dr. R N Kulkarni	Outcome Based Education of NBA Accreditation	BITM, Ballari	
	Dr. B M Vidyavathi	Outcome Based Education of NBA Accreditation	BITM, Ballari	
	Dr. B M Vidyavathi	Research Promotion Workshop	Bangalore	
	Dr. R V Biradar	National level Advanced Workshop on NS3 SimulatorNS3-2017	BITM, Ballari	45426
	Dr. R V Biradar	Outcome Based Education of NBA Accreditation	BITM, Ballari	
	Dr. R V Biradar	Cloud Computing workshopIBM	BITM, Ballari	
	Dr. Aradhana	Outcome Based Education of NBA Accreditation	BITM, Ballari	
	Dr. Aradhana	Big Data and	BITM, Ballari	

		AnalyticsWorkshopIBM		
Prof. Paniram Prasad	Partnership Reinforcement and Development EngagementPRIDE TCSion	TCS, Bangalore	Rs. 2000	
Prof. Paniram Prasad	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Prof. MuhiburRahman	National level Advanced Workshop on NS3 SimulatorNS3-2017	BITM, Ballari		
Prof. C K Srinivas	Partnership Reinforcement and Development EngagementPRIDE TCSion	TCS, Bangalore	Rs. 2000	
Prof. C K Srinivas	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Prof. Venkateshwar	National level Advanced Workshop on NS3 SimulatorNS3-2017	BITM, Ballari		
Prof. Venkateshwar	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Mrs. Pratibha Mishra	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Mrs. Pratibha Mishra	Data Analytics	SDM, Dharwad	Rs. 2120	
Mrs. Pratibha Mishra	National level Advanced Workshop on NS3 SimulatorNS3-2017	BITM, Ballari		
Mr. SudhakarAvareddy	National level Advanced Workshop on NS3 SimulatorNS3-2017	BITM, Ballari		
Mr. SudhakarAvareddy	Mobility workshopIBM	BITM, Ballari		
Mr. SudhakarAvareddy	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Mr. Jagadish R M	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Mr. Jagadish R M	National level Advanced Workshop on NS3 SimulatorNS3-2017	BITM, Ballari		
Mr. Jagadish R M	Mobility workshopIBM	BITM, Ballari		
Mr. Usman K	Mobility workshopIBM	BITM, Ballari		
Mr. Usman K	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Mr. VirupakshaGowda	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Mr. VirupakshaGowda	Instructional Design and Delivery Systems	BITM, Ballari		
Mr. VirupakshaGowda	FoundationProgram 5.0	SIT, Tumkur	Rs. 1800	
Mr. VirupakshaGowda	Mobility workshopIBM	BITM, Ballari		
Mr. T M Hayath	Mobility workshopIBM	BITM, Ballari		
Mr. T M Hayath	ARM XKEIL Workshop	GAT, Bangalore	Rs. 2850	
Mr. T M Hayath	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Mr. Sridhar S K	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Mr. Sridhar S K	Mobility workshopIBM	BITM, Ballari		
Mr. Sridhar S K	National level Advanced Workshop on NS3 SimulatorNS3-2017	BITM, Ballari		
Mr. Dadapeer	FDPon Pervasive and Mobile Computing	NITK, Surathkal	Rs. 4600	
Mr. Dadapeer	Mobility workshopIBM	BITM, Ballari		
Mr. Dadapeer	Outcome Based Education of NBA Accreditation	BITM, Ballari		
Mr. Md. Shafiulla	Outcome Based Education of NBA Accreditation	BITM, Ballari		

	Accreditation		
Mr. Md. Shafiulla	FDP on Pervasive and Mobile Computing	NITK, Surathkal	
Mr. Md. Shafiulla	Big Data and Analytics Workshop IBM	BITM, Ballari	Rs. 4600
Prof. Anita Patil	CSITSS International Conference IEEE	RVCE, Bangalore	
Prof. Anita Patil	National level Advanced Workshop on NS3 Simulator NS3-2017	BITM, Ballari	
Prof. Anita Patil	Mobility workshop IBM	BITM, Ballari	
Prof. Anita Patil	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mrs. Shwethashree	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mrs. Shwethashree	Cloud Computing workshop IBM	BITM, Ballari	
Mrs. Shwethashree	Big Data and Analytics Workshop IBM	BITM, Ballari	
Mrs. Tejashwini	Big Data and Analytics Workshop IBM	BITM, Ballari	
Mrs. Tejashwini	Cloud Computing workshop IBM	BITM, Ballari	
Mrs. Tejashwini	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mr. H Hari Krishna	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mr. H Hari Krishna	National level Advanced Workshop on NS3 Simulator NS3-2017	BITM, Ballari	
Mr. H Hari Krishna	Mobility workshop IBM	BITM, Ballari	
Mr. Azhar Baig	National level Advanced Workshop on NS3 Simulator NS3-2017	BITM, Ballari	
Mr. Azhar Baig	Mobility workshop IBM	BITM, Ballari	
Mr. Azhar Baig	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mr. Bimanna A	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mr. Bimanna A	Design and Analysis of algorithms JAVA and Microprocessor Laboratory	SVIT, Bangalore	4330
Mr. Bimanna A	Mobility workshop IBM	BITM, Ballari	
Mr. Kiran A M	National level Advanced Workshop on NS3 Simulator NS3-2017	BITM, Ballari	
Mr. Kiran A M	Big Data and Analytics Workshop IBM	BITM, Ballari	
Mr. Kiran A M	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mrs. Sheetal J	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mrs. Sheetal J	Data Analytics	SDM, Dharwad	2120
Mrs. Sheetal J	National level Advanced Workshop on NS3 Simulator NS3-2017	BITM, Ballari	
Mrs. Sheetal J	Cloud Computing workshop IBM	BITM, Ballari	
Ms. Pooja Kulkarni	National level Advanced Workshop on NS3 Simulator NS3-2017	BITM, Ballari	
Ms. Pooja Kulkarni	Cloud Computing workshop IBM	BITM, Ballari	
Ms. Pooja Kulkarni	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mrs. Swathi D V	Outcome Based Education of NBA Accreditation	BITM, Ballari	
Mrs. Swathi D V	Two Days FDP on Hands on Python for Data Science: Insight into Machine Intelligence with Tensorflow	Reva University, Bangalore	

	Mrs. Swathi D V	Big Data and Analytics Workshop IBM	BITM, Ballari	
	Mr. Naveen Kumar G	Big Data and Analytics Workshop IBM	BITM, Ballari	
	Mr. Naveen Kumar G	Outcome Based Education of NBA Accreditation	BITM, Ballari	
	Mr. Naveen Kumar G	FDP on ETL and Data Analytics using informatica and Python	B.M.S.I.T., Bangalore	4306
2016	Mr. William Thomas	Workshop on Matlab, Bangalore	Bangalore	640
	Mr. Naseeruddin	IEEE Conference, Bengaluru	Bengaluru	2056
	Mr. Pramod Mutalik	International Conference, Kalaburgi	Kalaburgi	3400
	Mr. Premachand D .R.	Workshop on Research Methodology, Bangalore	Bangalore	7552
	Mr. Abdul Lateef			
	Mrs. Swetha N.	Workshop to NIIT Warangal	NIIT Warangal	13305
	Ms. Poornima			
	Ms. Sarala			
	Mr. Abdul Lateef	International Conference, Guntur	Guntur	12300
	Mr. Raymond I.			
	Mr. Ulaganathan			
	Mr. Premachand	Workshop at IIT Bombay.	IIT Bombay.	20391
	Mr. Abdul Lateef			
	Mr. Raymond I.			
	Mr. Ulaganathan			
	Mr. Ranjit Pyati			
	Mr. Naseeruddin	IEEE Conference at Coimbatore	VIT, Vellore	2289
	Mr. Abdul Lateef	International Conference, Bengaluru	Bengaluru	23600
	Mr. Raymond I.			
	Mr. Ulaganathan			
Mr. Hemantha Kumar	International Paper Presentation and Publication	BITM, BALLARI	1200	
Mr. Fareduddin	IEEE Conference at VIT, Vellore	VIT, Vellore	4000	

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	Dates from-to)	No. of participants Teaching staff	No. of participants Non-teaching staff)
2016	Seminar on Entrepreneurship Development Program EDP	--	22-11-2016	40	--
2016	Out Come Based Education of NBA Accreditation	Outcome based education and NBA Accreditation	18 th to 20 th July 2016	214	90

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	Date and Duration from - to)	
ALTAIR-Hyper works	1	17-01-2017	21-01-2017
Antennas 1-Basics and Mechanical Scanning Techniques	1	18-nev-2016	
Antennas 2- Electronic Scanning and Hybrid Scanning Techniques	1	3-Dec-16	
Emerging Topics in Computational Intelligence and its application	1	18-01-2017	20-01-2017
Engineering For Human Rights: Opportunities, Risks and Responsibilities	1	2-Nov-16	
Faculty development program - Mobility Workshop IBM WORKLIGHT	18	26 th Mar 2017	30 th Mar 2017
Faculty development program-Cloud Computing IBM BLUEMIX	14	20 th Feb 2017	23 rd Feb 2017
Faculty development program-Data Analytics INFOSPHERE INSIGHT	11	20 th June 2017	23 rd June 2017
Five day FDP on IBM CE-Enablement program-Enterprise Application Development and Deployment Using IBM work light	3	26-Mar-17	30-Mar-17
Five days Workshop on Digital Signal Processing and Application	2	27-Feb-17	3-Mar-17
Five days workshop on Microcontroller Application	1	20/02/2017	24/02/2017
Four day FDP on IBM CE-Enablement program-Enterprise Application Development and Deployment Using IBM work light	8	20/02/2017	23/02/2017
IEEE 802.11ax Wireless Networking in High-Density WLANs	1	5-Jun-17	
Introduction to Electronics	1	19-Jun-16	
IPR Copyrights Tutorial	1	22-Oct-16	
IRP PLAGIARISM TUTORIAL	1	4-nev-2016	
Managing Student Teams	1	11-nev-2016	
MIMOBeamforming Multisponsor Webinar	1	11/06/2016	11/06/2016
Mobile Web Technologies For The Developing World	1	22-Oct-16	22-Oct-16
NPTEL- Wireless Ad HOC and Sensor Networks	1	1-Jan-17	1-Mar-17
NPTEL-Basic Electronics	1	1 Jan17	30 Apr17
NPTEL-EMBEDDED SYSTEMS DESIGN	1	17-Jan	17-Apr
One Week Workshop on Advancements In MATLAB andITS APLICATION	8	26-Sep-16	1-Oct-16
Perspectives on 5G Standard For 5G Part 3 Of 3	1	18/06/2016	18/06/2016
Processing of material characterization and testing organized my mechanical engineering	1	16-01-2017	21-01-2017
REALIZING New Potentials in Miniature Subsea Robotics	1	10-nev-2016	
Sensor Networks and IOT	1	29/12/2016	03/01/2017
Signal Processing For 5G Massive MIMO Wireless Systems	2	28-Jan-17	30-Jan-17
Six days Faculty development program on IOT FOR EMERGING ENGINEERING APPLICATION	4	23/01/2017	28/01/2017
Six days FDP on Signals Systems And Transform Techniques Theory With Matlab	1	26-Dec-16	31-Dec-16
Sustainable Electrification Solutions For Developing Countries	1	17-nev-2016	
Theoretical and computational mechanics	1	19-01-2017	21-01-2017
Three day Workshop on NS-3 Simulator NS3-2017	3	26-Jan-17	28-Jan-17
Three days workshop on Research Methodology and Latex	1	20-Dec-16	22-Dec-16
Two day workshop on Brain wave robot	4	14/03/2017	15/03/2017
Two day workshop on IOT- INTERNET OF THINGS	2	24-Oct-16	25-Oct-16
Two days workshop on ETHICAL HACKING and CYBER SECURITY	1	11-Mar-17	12-Mar-17
Two days workshop on Research Methodologies	2	12/05/2017	13/05/2017
Two Week workshop on CMOS, MIXED SIGNAL and RADIO FREQUENCY VLSI DESIGN	1	23/01/2017	04/02/2017
XILINX Webiner Series - Vision with Precision: vision guided Robotics and Drone Application	1	03/06/2017	03/06/2017

6.3.4 Faculty and Staff recruitment no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
216	216	172	172

6.3.5 Welfare schemes for

Teaching	EPF, Group gratuity, ESI, CL-15, EI-30, 10-vacation staff, GGS-LIC, Accidental Insurance, Transport, PhD-Contingency, WS-Conf, Fees, Salary Advance facility.
Non-teaching	EPF, Group gratuity, ESI, CL-15, Accidental Insurance, Subsidized Transport Facility, Salary Advance facility.
Students	Group Accidental Insurance, Workshops – Conferences Fees, Value Added Training, Sports-NSS-Tech Fest-Youth fest activities, Transport for Industry Tours, Off Campus interviews, etc, Career Guidance, Value Added Courses beyond the syllabi.

6.4 Financial Management and Resource Mobilization

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

<p>Experienced and efficient personnel conduct internal audit regularly.</p> <p>External audits are done by Proficient financial auditors</p> <p>In the Audits, Experts verify all transactions.</p> <p>There were no major observations noticed and the reports of the same are available.</p>
•

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/ Grants received in Rs.	Purpose
ADYA TECHNOLOGIES, BALLARI	300000	Software training and development by department of CSE

6.4.2 Total corpus fund generated NIL

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 parent- teachers meet once in a semester during a weekend. The parents are invited by faculty of all the departments. Students academic performance, university results, attendance and other related issues are discussed.

6.5.3 Development programmes for support staff(at least three)
For the support staff at college level Training programmes are organized periodically.
Orientation programme
Computer and skill-based training
Improvement programme

6.5.4 Post Accreditation initiatives(mention at least three)
Continuous assessments of POs and PSOs based on the results of every student in internal and external examination. Recruitment of faculty with higher qualification Ph.D. Arrangement of National and International Conferences. FDP for teaching faculty.

6.5.5

a. Submission of Data for AISHE portal: Yes /No)? **Yes**

b. Participation in NIRF: Yes /No) **Yes**

c. ISO Certification: Yes /No) **Yes**

d. NBA or any other quality audit: Yes /No) **Yes**

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration from-----to-----)	Number of participants
NIL				

CRITERIONVII -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-to)	Participants	
		Female	Male
International Women's Day	08 th March 2017	70	143

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources: **10%**

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	NIL
Provision for lift	Yes	NIL
Ramp/ Rails	Yes	NIL
Braille Software/facilities	No	NIL
Rest Rooms	Yes	NIL
Scribes for examination	Yes	02
Special skill development for differently abled students	No	NIL
Any other similar facility	No	NIL

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
NIL	NIL	NIL	NIL	NIL	NIL	NIL

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration from-----to-----)	Number of participants
Induction Program for First year B.E. Students	29.07.2016 to 31.07.2016	723

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

50 KWp Rooftop Solar Energy Park. Sewage Water Treatment Plant at cost of Rs.50.00 Lakhs Rain Water Harvesting System E-Waste segregation Energy Efficient LED Lighting System Presence Sensors in Rest Rooms Solar Water Heating at Hostels
--

7.2 Best Practices

Describe at least two institutional best practices

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

Detailed Academic Calendar defined in the beginning of the semester circulated and displayed. Continuous Evaluation of Academic performance of the students. System of Student Feedback and follow-up.
--

Academically weak students are given special attention individually by the proctors.
Remedial classes are conducted for Academically Weak students.
Innovative teaching methods are implemented through usage of Blooms Taxonomy, Learning Styles and combination of modern teaching and pedagogic methods.
Course out comes are prepared and circulated to the students.
Maximum emphasis for completion of Syllabus and effective Delivery through Quiz's, Group Discussion, Demonstration, Industrial Visits
Usage of modern Teaching Aids such as Projector and High End Televisions.
Contents beyond the syllabus through Design Based Experiments, Guest Lectures, Industry-Oriented Programs etc.

Link: <http://www.bitm.edu.in/awards-achievements>

7.3 Institutional Distinctiveness

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

ACCREDITATION

An **ISO 9001-2015** Certified Institution by Intertek

NAAC Accredited Institution from 2015 to 2020 for a period of 5years

Ratings and Rankings-

BITM is Rated AAA by Careers360 Magazine-Indias Best Engg College for 2016 Issue.

BITM Is Rated 4star by Career Connect Magazine-April 2016 Issue.

MBA Dept. is Ranked 41st Best B-School Higher Education Review Magazine-Beyond IIMs S-School Survey - April 2016 Issue.

MBA Dept. is Ranked 34th Best B-School and Ranked 8th in Top B-Schools with Best Return on InvestmentROI by Silicon India Magazine-All India B-Scholl Ranking 2016 -March2016 Issue.

Ranked 40th in Top 100 Engineering Colleges in India - Silicon India Education - June 2015.

Ranked 6th in Top 10 Private Colleges in Karnataka - Silicon India Education - June 2015.

Ranked 37th Best in India by The Higher Education Review - May 2015 Issue.

Rated AAA in the State CAREERS 360 Magazine Indias Best Engineering Colleges - April 2015 issue.

MBA-BITM is ranked 75th Best in India by Higher Education Review Magazine in Beyond IIMs Survey-2015.

Ranked 15th Best in Karnataka by Edu-rand Magazine.

Ranked 96th Best in India as per Outlook Survey - July 2013.

Placements-

Consistent placement record with a placement percentage of 83percent

Majority of students recruited in Tier 1 companies

Students are placed in Start-up companies for Mobile Application Development

Students placed in core companies ranging from VLSI Embedded System, Manufacturing, Automotive Electronics and Power Generation Companies.

Consistent joining-reporting ratio of 92percent

MoUs-COE- and Associations-

Infosys campus Connect-Recognized as an Advanced Partner College

State of the Art, Flexible Manufacturing and Conditioning Monitoring Robotics Lab in Collaboration with MTAB.

State of the Art Solar Energy Lab under the Collaboration of PMKVY

Wipro Mission 10X Technology Learning Center-Set up State of art Technology Centre Lab

Texas Instrument University Program-Set up State of the art VLSI and Embedded System Lab

Confederation of Indian IndustriesCII-Permanent Member of CII

All India Management Association-Permanent Member of AIMA

J Spiders and Q Spiders-Java and Testing Centre of Excellence-Finishing School

NI Lab View Academy-National Instruments Lab View Centre of Excellence

Link: www.bitm.edu.in

8.Future Plans of action for next academic year(500 words)

Future Plans:

Fostering to start and Entrepreneurship and startup the Incubation center

Improving the Placement Activity while having more collaborations and center of excellence

Conducting FDP Programs for Faculty.

Improvement in the publications in quality journals like Scopus index

To build state of the Art New Electrical Block.

To improve the Academic Results by adopting new teaching methodologies and through remedial classes.

To promote branding of the institution through social media enabling improvement in admissions.



Signature of the Coordinator, IQAC

Name: Dr. N. Gururaj



Signature of the Chairperson, IQAC

Name: Dr. V. C. Patil

-----***-----

Annexure I

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution

For Communication with NAAC

The Director

National Assessment and Accreditation Council (NAAC)

An Autonomous Institution of the University Grants Commission)

P. O. Box. No. 1075, Nagarbhavi

Bengaluru - 560 072

Phone: +91-80-2321 0261/62/63/64/65

Fax: +91-80-2321 0268, 2321 0270

E-mail: director.naac@gmail.com

Website: www.naac.gov.in