Yearly Status Report - 2017-2018

Part A	
Data of the Institution	
1. Name of the Institution	**BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BALLARI**
Name of the head of the Institution	**DR V C PATIL**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08392237150**
Mobile no.	**9448006862**
Registered Email	**bitmiqac@gmail.com**
Alternate Email	**principal@bitm.edu.in**
Address	**Jnana Gangotri Campus, No 873/2, Ballari Hosapete Road, Allipura,**
City/Town	**Bellary**
State/UT	**Karnataka**
Pincode	**583104**
2. Institutional Status	
Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**DR N GURURAJ**

Phone no/Alternate Phone no.	08392237100
Mobile no.	9448695476
Registered Email	bitmiqac@gmail.com
Alternate Email	bitmbly@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.bitm.edu.in/aqar

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.bitm.edu.in/nacc-ssr

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.66	2015	25-Jun-2015	24-Jun-2020

6. Date of Establishment of IQAC	01-Jul-2015

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
One day faculty development program on Introduction to Computational Fluid Dynamics organized by Dept. of Mechanical Engineering.	14-Feb-2018 1	30
One day Seminar on Black Chain Technology for 7th Semester organized by Dept. of Mechanical Engineering.	07-Jul-2018 1	40
One day Seminar on Smart Materials for 4th Semester organized by Dept. of Mechanical Engineering.	30-May-2018 1	50
One day Project Exhibition for Final year students organized by Dept. of Mechanical Engineering.	17-May-2018 1	100

One day workshop TABLEAU an advanced analytics tool for data analysis organized by Dept. of Mechanical Engineering.	10-May-2018 1	100
Renewable Energies and Energy Conservation for Sustainable Development.	05-Feb-2018 2	30
How to publish scholarly articles publish or perish	17-Nov-2017 1	102

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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 ECE	PMKVY	AICTE	2017 1	127500
BITM EEE	SURYA MITRA	NICE GOI	2016 1	642000

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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	**View File**
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	**View File**
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

1. Improved the Graduation Results. 2. Enhanced employability by implementing personality development programs, value added certificate courses. 3. Value Added Certificate Courses to bridge the gap in curriculum. 4. Improvement in R and D Activity. 5. MoU with IBM and Harita Texserve (A unit of TVS Group).

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

Plan of Action	Achivements/Outcomes
Improve the Renewable Energy Generation using the Roof Top for selfconsumption and for greener energy.	Increase the roof top solar energy generation from 10 to 60.
Maintain the Placement numbers inspite of tough market condition.	No. of students placed for the year 2016-17 was 370 and number of students placed for this academic year 2017-18 is 373.
Improve the academic results of First Year.	Achieved good results and results increased by nine percent compared to last year, due to remedial classes, outcome based education, effective mentoring and proctoring and implementation of real-time attendance.
To implement real-time attendance system through Eduwize software.	Students attendance was intimated on a real-time manner, which reduced the number of students having the low attendance by 5%.
To shift to online feedback system from paper based.	Online feedback system was implemented which resulted in calculation of staff teaching performance and other institutional parameters instantly.

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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	23-Jun-2018

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

Date of Visit	23-Nov-2017
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	10-Mar-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	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 – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. I

The college systematically designs and develops action plans for e curriculum. At the outset, the Principal of the college conducts me of Departments to develop various strategies for effective impleme academic calendar issued by the affiliating university forms the l semester plan. The college semester plan consists of commencement d for conduction of the internal assessment tests. Department-wise c Thereafter, the faculty members of various departments conduct thei academic plans such as timetables, lesson plans, and course files Teachers are encouraged to plan in advance to impart the curricul methods such as presentations, assignments, discussions, workshop apart from regular lecture sessions and the same is taken for approv and the Principal. Thereafter the lesson plans are prepared by the with the curriculum. Lesson plans and subject course files are main respective subjects allotted, which is reviewed on continuous basi following criteria have been followed in effective implementation predefined college calendar following the university dates regardi (sample of the academic calendar copy will be available for inspecti • Lesson plan is made according to the college calendar for each se implementing the curriculum, we have scheduled internal assessment t semester) for all the students. • Apart from regular classes we hav Lecturers/workshop hours to enhance the capability of students in p the curriculum. • Identification of above-average students and moti their academic performance. • Identification of academically wea remedial classes so as to raise their academic performance. • Org workshops, and guest lecture to encourage industry-academia interi members on a regular basis. Industrial visits are arranged for the industry process to study in the curricu

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurshi
Student development Program on IBM Work-lite.	Nil	23/09/2017	6	Employability
Flexible Manufacturing System (FMS)	Nil	21/05/2018	6	Employability
NX Design Model	Nil	01/03/2018	60	Employability

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization
BE	NIL AND NOT APPLICABLE

[View File](#)

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system impleme during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of impleme
BE	Engineering	
Mtech	Engineering	

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

	Certificate	
Number of Students	408	

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduc
C Programming Technical Training by Bizotic	04/08/2017
Mock interviews	10/08/2017
CGI Mindtree Company specific training	10/09/2017
Aptitude training by Chanakya	18/09/2017
Training Recap Sessions by Chanakya.	28/09/2017
Softskills Excel Training by Bizotic	10/10/2017
Technical Training by Rookies World	10/11/2017
Uvimac Company specific training	22/02/2018
Harita Techserv	01/03/2018
Infosys Company specific training	15/03/2018
E Construct Software skills	20/03/2018
J/Qspiders training, Bangalore.	24/04/2018

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students en
BE	Engineering	
MBA	Management	
Mtech	Engineering	

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students

Teachers

Employers

Alumni

Parents

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the

Feedback Obtained
FEED BACK ANALYSIS Analysis of Employers Survey Based on the analysi employers have indicated to improve industry oriented courses for SK the research activity among faculty and develop problem solving and students. The analysis also provides input towards developing projec the usage of modern tools for student development. Students should i solve complex problems, team work and ethics. Analysis of Alumni Sur Alumni survey the following aspects have been indicated by the Alumn the institution. Alumni have indicated to improve skills through nev modern tools, design and development process among the students. Tea the leadership, qualities, management skills and ability to solve co mind set. Alumni

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number
MBA	Management	180	
Mtech	Engineering	108	
BE	Engineering	882	

View File

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number availabl teachin
2017	3247	323	173	

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Syster year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classroor
217	217	35	35

View File of ICT Tools and resource

View File of E-resources and techniques

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

The student mentoring system in the institution takes care of the overall development of st building up the career, move towards the right path and be focused in relevant fields. The obje academic performance, Mentor and guide them to achieve and do better in academics, Unde advice appropriately to monitor the overall development of the student. Each student is allot maintains a Proctor form with details like parents guardians name, addresses, contact numbe

Psychological counselors are available to all the students who are counseled individually, aide
aspirations related to academics, career plans, to air their grievances and cope with issues wl
areas. All student mentors encourage the students participation, apart from curricular guidanc
other profession activities, which will motivate them stimulate their growth into well rounde
programs and Parent meetings are conducted bringing parents into the monitoring or mentor
sessions with the parents or faculty or counselors and mentors are regularly arranged with th
attendance to enable them to improve their attendance and performance. Details of mentori
Functions 1 Professional guidance Encourage students to discuss their ideas on paper present
innovation in projects Support their learning through attending technical workshops. Motivate t
through participating in competitive activities like Corporate quizzes 2 Academic guidance
academic schedules and e learning resources. Identify students with poor attendance and en
getting counselled in the presence of mentor, counsellor and HOD. Focus on academically weal
reading materials, model questions along with solutions and special make-up Classes. 3 Care
certification courses in order to build on their qualifications related to their career. Provide Ca
from arranging campus recruitment drives by the Training and Placement Cell Support their
candidate profiles. 4 Laboratory specific Counsel irregular students to laboratory classes t
experiments during specified extra hours. Arrange special lab coaching for Students v

Number of students enrolled in the institution	Number of fulltime te
3570	217

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
266	188	49	28

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships
Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the aw
2017	Mr. Sridhar S K	Assistant Professor	Inspire :
2017	Mr. Naseeruddin	Assistant Professor	Mentor A Ministry o:
2018	Dr. K.M Sadyojatha	Professor	A

View File

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaratic

Programme Name	Programme Code	Semester/ year	Last date of the last semester end/ year-end examination
Mtech	M.TECH	II,IV May,2018	28/04/2018
Mtech	M.TECH	II,IV May,2018	06/06/2018
Mtech	M.TECH	I,III	25/11/2017
Mtech	M.TECH	I,III Dec2016/Jan18	07/01/2018
MBA	MBA	II, IV	13/07/2018
MBA	MBA	II, IV	31/05/2018
MBA	MBA	I, III	09/12/2017

MBA	MBA	I, III	07/01/2018
BE	CSE, EEE, ECE, MECH, CIVIL	II, IV,VI, VIII Feb-June2018	23/05/2018
BE	CSE, EEE, ECE, MECH, CIVIL	I, III, V, VII Semester Aug-Dec2017	25/11/2017

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

The institute has taken efforts to improve the performance of student in Continuous Internal evaluation at the institute level. The refo measures are taken by conducting tutorial classes to clarify doubt: topics. Remedial Classes are conducted for the slow learners, ab participate in Sports, NSS activities and Placement Interviews. T learners to update their subject knowledge and helps them to catch u are conducted prior to sessional examinations. 3. Topic wise quest subjects. 4. Students are encouraged to solve previous years Univers institute regularly conducts workshop, technical talk, seminars performance due to frequent absenteeism is dealt by sending registere students. 7. Monitoring the improvement in learning of slow learne learners by reviewing their performance in exams. 8. The institut performance of the students and reports to the Parents. Progress Re the parents after each of the test. Parents or Guardians are advised wards and take remedial measure if needed. Whenever necessary, the t the parent to the college for a discussion about the student. Impact substantial improvement in students performance through comprehensi time management, enhanced writing skills and individualized attent: cognitive, psychomotor and affective domains of learning. This has percentage and academic excellence of stu

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related i

The institution ensures effective time management and timeliness. It timeline and adheres to it. In the beginning of the academic year, a the University for Respective Course. The college carries out effect academic calendar. This allows the teachers and the students to spac learning and regular assessment of the same. The college conducts as three different components theory and assignments. The theory compor assignment is marked out of five. These tests are conducted in even pressuring the students with too many examinations. Every academic Each semester is to be of 16 weeks. The first Continuous Internal E: after 8 weeks of class work. CIE II is conducted after 16 weeks of after 24 weeks of class work Within the above mentioned 8 weeks of syllabus is taught to the students. They are then tested on the same examinations is calculated to attain the final internal marks of the vitalized to decide the course of nature for teaching slow students before the external examination. All question papers are set based mapped with their respective course outcomes that are stated in the assignments given to the students involve unaddressed program outcom attain knowledge beyond the syllabus as these topics are not covered university but are still relevant. These assignments are given withi are to complete them within the time given to adhere to the universi university calendar, every department creates internal calendars to syllabus. Every teacher follows a strict agenda that is discussed an

respective department. This is followed by deducing a day to day div
These topics and chapters are chosen keeping the upcoming CIE in mir
for the students to complete the given syllabus in enough time. The
time before the examinations as well to prepare and practice their o
change, the university communicates the modification to the college
same. In any condition, the academic calendar is followed and respec
departments.

2.6 – Student Performance and Learning Outcomes

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

http://www.bitm.edu.in/wp-content/uploads/2019/0

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Num
MBA	MBA	Management	125	
PE	Mtech	Engineering	9	
DE (ME)	Mtech	Engineering	9	
VLSI	Mtech	Engineering	4	
DE (ECE)	Mtech	Engineering	2	
CNE	Mtech	Engineering	1	
CIVIL	BE	Engineering	108	
EEE	BE	Engineering	133	
ME	BE	Engineering	269	
ECE	BE	Engineering	200	
CSE	BE	Engineering	160	

View File

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may de
provided as weblink)

http://www.bitm.edu.in/wp-content/uploads/2019/06/1

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 organi

Nature of the Project	Duration	Name of the funding agency	Total grant sanction
Major Projects	00	0	0

View File

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Acader

Title of workshop/seminar

| Orientation Program on How to write Scholarly Articles – Publish or |
| Two days workshop on Avenues for Research and Publications. |
| Creating value to Entreprenuership by Raman Gujral |
| One day Workshop on TABLEAU: An Advanced Analytics Tool for Dat |

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

Title of the innovation	Name of Awardee	Awarding Agency
NIL	NIL	NIL

View File

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of
NIL	NIL	NIL	NIL	NI

View File

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	
NIL	NIL	

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

Name of the Department	Nun
EEE	

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

Type	Department
International	CSE / ECE / EEE /ME / CIVIL / MBA / PHYSICS / CHEMISTRY / MATHS

View File

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/Interna during the year

Department	Number of
ME	1
ECE	3
CSE	3
MBA	

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year o

publicat

Abstraction of Information Flow Table from a Restructured Legacy	Dr. R N Kulkarni	ICICSE	2017
Abstraction of Information Flow and Functional Dependency from a Restructured Legacy	Dr. R N Kulkarni	SmartTechCon	2017
Prediction of Crime Trends Using MK-MC Technique.	Dr. Vidyavathi B. M.	Data Engineering and Intelligent Computing	2018
A Review on Secure storage using Bidirectional Verification Techniques in Cloud Computing.	Dr. R.V.Biradar Mr.Girish Kumar	IJET	2018
A Novel Technique for Data Integrity using Block Verification in Cloud Computing.	Dr. R.V.Biradar Mr.Girish Kumar	Scopus Indexed	2018
Optimization of MQ-7 Gas Sensors in Determining the Concentration of Carbon Monoxide Air Pollutant in different Environmental Conditions of Bengaluru City using Wireless Sensor Networks in Real-Time.	Dr. R.V.Biradar	Scopus Indexed	2018
Design of Auto Wakeup Alarming System for Commuters in Railway Sleeper Coaches	Mr. Dadapeer	IJET	2017
Abstraction of Information Flow Table from a Restructured Legacy	Dr. R N Kulkarni	ICICSE	2017
Abstraction of Information Flow and Functional Dependency from a Restructured Legacy	Dr. R N Kulkarni	SmartTechCon	2017

Prediction of Crime Trends Using MK-MC Technique.	Dr. Vidyavathi B. M.	Data Engineering and Intelligent Computing	2018
A Review on Secure storage using Bidirectional Verification Techniques in Cloud Computing.	Dr. R.V.Biradar Mr.Girish Kumar	IJET	2018
A Novel Technique for Data Integrity using Block Verification in Cloud Computing.	Dr. R.V.Biradar Mr.Girish Kumar	Scopus Indexed	2018
Design and implementation of Zigbee based smart grid system for power management	Abdul Khadar	IEEE 2017 explorer	2017
Optimization of MQ-7 Gas Sensors in Determining the Concentration of Carbon Monoxide Air Pollutant in different Environmental Conditions of Bengaluru City using Wireless Sensor Networks in Real-Time.	Dr. R.V.Biradar	Scopus Indexed	2018
Enhanced StatCom and Adaptive Neuro Fuzzy Logic Control at Grid Integrated FSIG Type Wind Farms under Asymmetrical Fault Condition	Abdul Khadar	IJMETMR International Journal and Magazine Of Engineering, Technology, Management And Research	2017
Design of Auto Wakeup Alarming System for Commuters in Railway Sleeper Coaches	Mr. Dadapeer	IJET	2017
Research Advancements Towards in Existing Smart Metering over Smart Grid	Abdul Khadar	IJACSA International Journal of Advanced Computer Science and Applications	2017
Novel Decision-Based Modeling of Minimizing Usage Cost of Electricity in Smart Grid	Abdul Khadar	CSOC 2017 conference paper Artificial Intelligence Trends in Intelligent Systems	2017
Control Topology For Emulating The Behavior	Abdul Khadar	International International Journals	2017

Of Sysnchronus Machines In Voltage Source Converter		of Engineering Development And Research International Peer Reviewed, Open Access Journal	
High voltage gain for grid tied application using interfaced buck-boost derived flyback converter approach with single switch	Harish Kumar G	IJSETR International Journal of Science, Engineering and Technology Research	2017
Two way three phase AC-AC UPC with LC pair approach using zero voltage soft switching technique	Harish kumar G	IJSETR International Journal of Science, Engineering and Technology Research	2017
Modelling, Simulation And Analysis Bearing Voltage And Bearing Current In PWM Multilevel Inverter Fed Induction Motor With Different HP Ratings	Sharan Reddy	International Journal of Innovative Research In Electrical, Electronics, Instrumentation and Control Engineering IJIREEICE	2017
A Study on Beta Stability in the Indian Stock Market	Dr. Janet Jyothi Dsouza And Soumya Shetty	Asian Journal of Management	2018
Impact of Capital Structure on Profitability	Dr. Janet Jyothi Dsouza and Rakesh M	Asian Journal of Management	2018
An Empirical Study on Risk and Return Analysis of Mining Sector	Dr. Janet Jyothi Dsouza And Ravinarayana K.S	International Journal of Management Studies	2018
A Study on Effectiveness of Google Virtual Tour on Business Promotions	Ravikumar J S	Asian Journal of Management	2018
Human Resources Development policies and practices for high potentiality and competencies of the employee	Prof. C M Thyagaraja and Mohammed Javed Kalburgi	International Inventive Multidisciplinary Journal	2017
EMPLOYEE RETENTION AND ITS IMPACT ON ORGANIZATION PRODUCTIVITY- A CASE	Mohammed Javed kalburgi	JOURNAL OF ADVANCE MANAGEMENT RESEARCH	2018

OF FASHION APPAREL INDUSTRY			
1.Room temperature humidity sensor based on Polyaniline tungsten disulfide composites	S Manjunatha, B chethan, Y T Ravikiran, T Machappa	AIP Conference Proceedings	2017
2.Dispersion of TiS2 nanosheets in organic materials	S Manjunatha, A Sunilkumar T Machappa	AIP Conference Proceedings	2017
3.Tungsten disulfide an efficient material in enhancement of AC conductivity and dielectric properties of polyaniline	S Manjunatha, A Sunilkumar, Y T Ravikiran T Machappa	Journal Of material science	2018
Design and analysis of hybrid composites for industrial helmets	Dr.Raghavendra Joshi, Mrs lakshmi kumari, , Maharaj Gowda	International journal of advance research in Engineering science and Technology, Vol. 4, issue 7, July 2017	2018
Effect of tool pin profile on dissimilar friction stir welding of aluminium alloy AA 7075 T651 and AA 6061 T6	H m anil kumar, Dr. V V Ramana	International journal of latest trends in engineering and technology vol 8, issue , may 2017	2017
Evaluation of Al7075 reinforced with 14SiC for its Mechanical Properties	Raghavendra Joshi,	Materials today Science Direct 2017	2017
Energy Based Jiles Artherton and Analytical Magnetostrictive Model to Study Response of Terfenol D Actuator to a Step Input	Raghavendra Joshi, Shivukumar S Y, Shivukumar S Y	International Journal of Engineering Research in Electronics and Communications Engineering Vol. 4, Issue 11, November 2017	2017
F-MWCNT Nanomaterial Integrated Automobile Radiator	Dr.Raju Jadar	Materials today Science Direct 2017	2017
Studies on TQM Practice in Small and Medium scale Enterprises	Lakshmi Kumari	International Journal of Science, Engineering and Management Vol. 2, Issue 11, November 2017	2017
Prediction of Blade Resonance of cooling	Dr. Yadavalli Basavaraj, , Santhosh Naik,	International Journal of Innovative Research in Science, Engineering	2017

Title of the Paper	Name of Author	Title of journal	
tower fans using Vibration Analysis	Raghavendra Setty, , Santhosh Naik	and Technology IJIRSET Volume 6, Issue 4 April 2017. ISSN Online 2319 8753 ISSN Print 2347 6710. DOI 10.15680	
Analysis of Six Sigma Methodology in Exporting Manufacturing Organizations and Benefits Derived A Review	Dr. Yadavalli Basavaraj	IEEE Xplore Digital Library. DOI 10.1109 CIACT.2017. 7977276. The paper can be reached to the Link http ieeexplore.ieee.org document 7977276	2017
Comparative Investigation on Al7075 MMC reinforced with wt. 6 Al203 and B4C	Dr. V V Ramana, Dr. Yadavalli Basavaraj, Manjunath T H, K C Venkatesh	Materials today Science Direct 2017	2017
Investigations on mechanical behaviour of Al7075 nano B4cComposites	Manjunath T H, Dr. Yadavalli Basavaraj, Dr. V V Ramana,	IConMMEE2018. IEE CONFERENCE. 2018	2017
Experimental study on dissimilar friction stir welding of Al Alloy 5085 H111	Dr V V Ramana, H M Anil Kumar,, Mayur Pawar	IOP Conference, Material Science Engineering, DOI10.1088 1757 899X 330 1 012076	2017
Evaluation og Mechanical Properties of friction stir welded dissimilar AA2024T351 and AA7075 T6 Alloy	H M Anil Kumar, Dr V V Ramana	Middle East journal of Scientific Research 25 5 1009 1014, 2017	2017

View File

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

Title of the Paper	Name of Author	Title of journal
Enhancement in the photo-electrocatalytic activity of SnO2 Sb2O4 mixed metal oxide anode by nano WO3 modification	Dr. Anantha N S	Journal of Environmental Chemical Engineering. 5 2017 4969 4979. DOI org 10.1016 j.jece.2017.09.033

Fabrication of highly stable Ti Sb SnO2 Ni Sb SnO2 anode and its application to Acid Red I synthetic wastewater treatment.	Dr. Anantha N S	Journal of Material Science Proceedings. Accepted In press 2017 Scopus
Performance of Ti TiO2 NTs Sb SnO2 electrode in photo assisted electrochemical decontamination of real industrial effluents under mild conditions.	Dr. Anantha N S	Environmental Science and pollution research. Accepted
Design and analysis of hybrid composites for industrial helmets	Dr.Raghavendra Joshi, Mrs lakshmi kumari, Maharaj Gowda	International journal of advance research in Engineering science and Technology, Vol. 4, issue 7, July 2017
Effect of tool pin profile on dissimilar friction stir welding of aluminium alloy AA 7075 T651 and AA 6061 T6	H m anil kumar, Dr. V V Ramana	International journal of latest trends in engineering and technology vol 8 , issue , may 2017
Evaluation of Al7075 reinforced with 14SiC for its Mechanical Properties	Raghavendra Joshi,	Materials today Science Direct 2017
Energy Based Jiles Artherton and Analytical Magnetostrictive Model to Study Response of Terfenol D Actuator to a Step Input	Raghavendra Joshi, Shivukumar S Y	International Journal of Engineering Research in Electronics and Communications Engineering Vol. 4, Issue 11, November 2017
F-MWCNT Nanomaterial Integrated	Dr.Raju Jadar	Materials today Science Direct 2017

Automobile Radiator		
Studies on TQM Practice in Small and Medium scale Enterprises	Lakshmi Kumari	International Journal of Science, Engineering and Management Vol. 2, Issue 11, November 2017
Prediction of Blade Resonance of cooling tower fans using Vibration Analysis	Dr. Yadavalli Basavaraj, , Santhosh Naik, Raghavendra Setty, , Santhosh Naik	International Journal of Innovative Research in Science, Engineering and Technology IJIRSET Volume 6, Issue 4 April 2017. ISSN Online 2319 8753
Analysis of Six Sigma Methodology in Exporting Manufacturing Organizations and Benefits Derived A Review	Dr. Yadavalli Basavaraj	IEEE Xplore Digital Library. DOI 10.1109 CIACT.2017. 7977276. The paper can be reached to the Link http ieeexplore.ieee.org/document/7977276/
Comparative Investigation on Al7075 MMC reinforced with wt. 6 Al203 and B4C	Dr. V V Ramana, Dr. Yadavalli Basavaraj, Manjunath T H, K C Venkatesh	Materials today Science Direct 2017
Investigations on mechanical behaviour of Al7075 nano B4cComposites	Manjunath T H, Dr. Yadavalli Basavaraj, Dr. V V Ramana,	IConMMEE2018. IEE CONFERENCE. 2018
Experimental study on dissimilar friction stir welding of Al Alloy 5085-H111	Dr V V Ramana, H M Anil Kumar, Mayur Pawar	IOP Conference, Material Science Engineering, DOI10.1088/1757-899X/330/1/012076
Evaluation og Mechanical Properties of friction stir welded dissimilar AA2024T351 and AA7075 T6 Alloy	H M Anil Kumar, Dr V V Ramana	Middle East journal of Scientific Research 25 5 1009 1014, 2017

	View File

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

Number of Faculty	International

Attended/Seminars/Workshops	3
Presented papers	20
Resource persons	0

View File

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency
NSS Youth Red Cross YRC Volunteer Blood Donation Camp and Blood Group	VIMS Ballari Red Ribbon Club YRCS District AIDS Prevention and Control Unit DAPCU Officer
World AIDS Day	BITM NSS Unit
Ozone Day	BITM NSS Unit
Swaach Bharat	BITM NSS Unit
National Youth Day	BITM NSS Unit
Creating Awareness about Cleanliness Swachh Pakhwada	BITM NSS Unit
Volunteer Blood Donation Camp	BITM NSS Unit
Matrubasha Diwas	BITM NSS Unit
World Tobacco Day	BITM NSS Unit
Electrol Literacy Program	BITM NSS Unit

View File

3.4.2 – Awards and recognition received for extension activities from Government and other rec

Name of the activity	Award/Recognition	Awarding B
Blood Donation Camp	Highest Units of Blood Donated	Red Cross S

View File

3.4.3 – Students participating in extension activities with Government Organisations, Non-Gover Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of t participated in su
NSS Swatch Bharath	SWATCHTA PAKHWADA	Creating Awareness about Cleanliness	24
NSS	BITM NSS Unit	Volunteer Blood Donation Camp	46
NSS	BITM NSS Unit	Ozone Day	38
NSS	BITM NSS Unit	Yoga Day	85

View File

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange duri

Nature of activity	Partici
Publications	BE-1
Wipro Technology learning centre inter disciplinary projects	BE-
Student Exchange	BE-
Faculty Exchange	FAC-
E-Yantra Lab	BE-

View File

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sh year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact deta
On-Job Training	IBM Speciality Labs	IBM India Pvt. Ltd.,
On-Job Training	IBM Speciality Labs	IBM India Pvt. Ltd.,
On-Job Training	E-Yantra Robotics Lab.	IIT-Mumbai
Internship	VTU Internships	Banking / Finance / Marketin AND HR Industries
Internship	VTU Internships	JSW / BTPS
Sharing of Research Facility	Physics AND Chemistry Research Lab,	VSK University

View File

3.5.3 – MoUs signed with institutions of national, international importance, other universities, in year

Organisation	Date of MoU signed	Purpose/Activities
J Spiders	31/10/2017	Skill Development in the Area of Man Automated Tested and JAVA Program
E-Construct Design Build (P) Ltd.	28/12/2017	E-Tabs, Revit, RCDC, SAFE etc
MTC Global, Bangalore	20/08/2017	Digital Marketing Certification Pr

View File

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utiliz
722	

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities
Number of important equipments purchased (Greater than 1-0 lakh) dur year
Value of the equipment purchased during the year (rs. in l
Seminar halls with ICT facilities
Classrooms with Wi-Fi OR LAN
Classrooms with LCD facilities
Seminar Halls
Laboratories
Class rooms
Campus Area

View File

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)
EASY-LIB	Fully

4.2.2 – Library Services

Library Service Type	Existing		Newly Adde	
Text Books	91685	22248196	3395	147
Reference Books	9208	2353673	102	44
Journals	131	322877	0	
e-Books	13235	720840	0	
e-Journals	0	0	8611	226

View File

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala C platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management

Name of the Teacher	Name of the Module	Platform on which module is developed
NA	NA	NA

View File

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Dep

Existing	903	710	40	40	30	30
Added	0	0	0	0	0	0
Total	903	710	40	40	30	30

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

180 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos an
VTU E-Learning	103.44
NPTEL	https://
NDL	https://ndl

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilitie year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities
14.22	13.55	244

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support faci computers, classrooms etc. (maximum 500 words) (information to be available in institutional W

College has clear policies and procedures to create, maintain and
enhancing the TeachingLearning process at regular intervals of time
the pivotal and most important assets and follow proper systems and
and retain our Staff members in Teaching, Technical and Administrativ
on expending the budgets in creating and maintaining state of th
Buildings, Student spaces, Laboratory equipment, teaching aids, Lea
the overall student experience at our institution. Classrooms Adequa
with proper ventilation and natural lighting for conducting Theory
benches have been provided for students. Teaching aids. 1. White
Classrooms with LCD Projectors Wi Fi LAN enabled Internet connectiv.
the art ICT facilities to conduct College level Events, State,
Conferences, Workshops and Symposia. Laboratories Workshops All the
well equipped with state of the art equipments and materials wil
Curriculum related aspects to students to go level above in acting a
to engage in Research related activities. They are maintained well w.
Main and Departmental Libraries The Library set up consists of
Departmental Libraries attached to the respective Departments, w.
educational needs of students belonging to all the programmes or sp
campus. The Libraries contain a vast collection of Semester Books, F
Books, Bound Volumes, Journals, Conference proceedings, eBooks,
Dissertations, Periodicals, eJournals, etc. Library automation The
automated with EasyLib software for related activities. E Journa
subscribed by the college through the VTU Consortium. Digital Lib
subscribing e Resources for all Programmes through the VTU eResource
of books will be issued for readers. Reference books are for referen
facility is provided exclusively for SC ST students. Additional book
in the stack area each semester. User awareness Programme Library f
programme is given for the new students and faculties. Reprographic
and Extra curricular activities The college gives importance to all

by encouraging them to participate in sports and cultural activitie
as improve their creativity, interpersonal and organizing skills. Co
Infrastructure Preventive or Routine maintenance is handled by the
staff. Breakdown maintenance is handled by the Syste

https://www.bitm.edu.in/student-code-of-ethics

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme
Financial Support from institution	Fee Concession and Economical Scholarship
Financial Support from Other Sources	
a) National	Govt. of Karnataka / OBC, SC, S Scholarships
b) International	NIL

View File

5.1.2 – Number of capability enhancement and development schemes such as Soft skill developm Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation
Computational Fluid Dynamics HMT	14/06/2018
Minitab Training Material Testing Lab	21/05/2018
Mechanism softwares to create mechanism KOM	17/05/2018
Mechanism softwares to create mechanism KOM	02/03/2018
Advanced Materials Material Science	28/02/2018
Smart Materials Material Science	28/02/2018
Taking the students to the design laboratory to perform experiments on balancing equipments, Vibrations DOM	26/11/2017
Taking the students to the design laboratory to perform experiments on balancing equipments, Vibrations	15/11/2017
The environmental impacts of Renewable Energy E	25/10/2017
Block chain Technology	23/10/2017
Aptitude and Soft Skills Training	28/07/2018
MyAspiration, Resource Person Mr.Ramanan CEO, Ladder Consultancy Service Ltd, Bangalore	14/08/2017
Soft Skill Development	22/03/2018

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offe

Year	Name of the scheme	Number of benefited students for competitive examination	N benef b co a
2017	Opportunitie s in Wind Renewable Energy by Mr. Anil Deshpande, Head HR, Suzlon	0	
2017	Building a successful career by Mr. Girish, Founder & CEO, Test Yantra Solution	0	
2017	Importance of Soft skills by Mr. Sundar KS, Infosys Campus Connect Head	0	
2017	IBM Artificial Intelligence and Machine Learning by Mr. Anantha Padmanabhan, Business Solution Manager and Analytics, IBM India.	0	
2017	Software Industry Awareness Program by Mr. Paul Singh (Alumni), Chief Security Analyst, IBM India Ltd.,	0	
2017	Awareness Session IT Industry expectation from a fresher perspective by Mr. Madhu, ABC for Java, Bengaluru	0	
2017	Skills Sets required for Industry by Mr. Srinidhi, Sr. Engineer,	0	

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Preven during the year

Total grievances received	Number of grievances redressed	Avg. nu
0	0	

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus				
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof orga	
SLK Software MindTree L and T Technologies CRMIT Solutions TCS Torry Harris Uvimac Solutions Thasmai Automation Bosch Automative Eduwize JSW Severfiels Ltd., Triveni Turbines 24 7 NTT Data Experis IT Infosys CollegeDekho BMM Ispat Tavant Capgemini	589	145	Attra Infotec Soft PVR Solutions UST YASH Techn DXC.techno Consulting Aasaanjobs E	

| | | Management M |
| | | Computer |

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institu
2018	2	EEE	EEE	B.I.T.M.
2017	1	ME	ME	National Ins Engineering
2017	1	ME	ME	Ambedkar ins technology,
2017	1	ME	ME	National Ins Engineering
2017	1	ME	ME	KLE technologica Hubl
2017	1	ME	ME	CQ University
2017	1	ME	ME	RV College
2017	1	ME	ME	PES Universit
2017	11	ECE	ECE	BITM, Other Colle
2017	1	CSE	CSE	Dayananda Saga Engineering,
2017	8	CIVIL	Civil Engineering	VTU

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

Items	Number of students selecte
GATE	1
GRE	1
TOFEL	1
Any Other	15

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

Activity	Level
BADMINTON MEN WOMEN	VTU IC GULBARGA ZONE

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at na... event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awa... Cultural ...
2017	NIL	National	0	0

View File

5.3.2 – Activity of Student Council & representation of students on academic & administrative b... (maximum 500 words)

The College creates a platform for the active participation of the s...
and administrative bodies including other activities. This empo...
leadership qualities, rules, regulations and execution skills. Sele...
and Funding .. Class representatives will be selected from each sect...
.. The student representative brings forward the views and sugges...
respect to the faculty, subjects, syllabus and other things relate...
representatives share ideas and interact with lecturers and p...
representatives also help to raise funds for activities including Sc...
helping people in need and college reforms .. Various programs like...
and Seminars are organized by these bodies every year. The funding...
internal college bodies is provided by the Colleg...

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

BITM Alumni Association Registered BITM Alumni Association is a Regi...
Societies Registration Act 21 of 1960, under Registration No. BLY S2...
its office is located at BITM Campus. The Aims and Objectives A. To...
students of the College to meet and discuss the matters of common in...
interests of the College and its past and present students. C. To pr...
assistance among the members. D. To contribute to the cause of techn...
experience of those in the field. E. To help the authorities to impr...
activities of the college. F. To co-operate with the students in lit...
activities of the college. G. To help the members in employment and...
interfering in the policies of their employers. H. To arrange and co...
technical nature. I. To co- operate with other such bodies for the s...
matters beneficial to prospects of the association. K. To extend fir...
backward and deserving students in form of scholarship for UG and PG...
other activities that the general body may decide from time to time...

5.4.2 – No. of enrolled Alumni:

820

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

207000

5.4.4 – Meetings/activities organized by Alumni Association :

05

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last

VISION To contribute valuable graduates for industry and society thr
management education and research. MISSION .. To offer state of the
and doctoral programmes. .. To empower the students with Techn
professional ethics. .. To collaborate with academia and industr
Decentralization of Financial powers to the Principal and HODs by
.. Well-structured decentralized organizational chart with specifi
smooth running of the entire organization st

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

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with

Strategy Type	Details
Admission of Students	Management provided scholarship for poor and merit quota. Career counselling was carried out to the st opportunities in Engineering was
Industry Interaction / Collaboration	College has setup BIIRED cell with its office loca institute interaction and coll
Human Resource Management	Objective base appraisal is carried out in a very account related to academics, research, personal dev
Library, ICT and Physical Infrastructure / Instrumentation	State of the Art Library with E Journals and Digi augmented for self learning. The college has high access to educational contents. Firewall is augmente our institution 960 and more computers are available
Research and Development	Departments are continuously applying for Research VGST and KCTU. Staff and Students are sponsored publications and presentations. Faculty pursuing Ph.I and support for the researc
Examination and Evaluation	Internal examinations are conducted on the basis regulations such as issuing of hall tickets for IA and IA marks to the parents via SMS. Evaluation is IA books is given to the students for verification key is well debated with the
Teaching and Learning	Outcome based education is practiced across the in student centric learning by catering to the diff students.
Curriculum Development	Identification of Curriculum gaps and specific cou Design based experiments and additional labs are

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

E-governace area	Details
Administration	Eduwize ERP Software is used for overall admin
Planning and Development	Proper Budgeting is carried at the beginning of the and information is maintained on electronic platform.

Finance and Accounts	verified against the budget for effective utilisat Tally Accounting Software is used for all the accoun are closely monitored through e-banking facility and are carried out through digital payments such as NE
Student Admission and Support	RoboVidya by RoboSoft Software used to manage the Stu Fee payment, communication, transport mai
Examination	IA performance and their attendance is communicat software. Student update their profiles in the VTU Students after applying for examinations their ha generated f

6.3 - Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial suppo provided
2017	Naveen Kumar G	Two Days National level Workshop on Internet of Things IOT 2018
2017	Sheetal J	Two Days National level Workshop on Internet of Things IOT 2018
2017	Pooja Kulkarni	Two Days National level Workshop on Internet of Things IOT 2018
2017	Azhar Baig	Two Days National level Workshop on Internet of Things IOT 2018
2017	H Hari Krishna	Two Days National level Workshop on Internet of Things IOT 2018
2017	Tejashwini	Two Days National level Workshop on Internet of Things IOT 2018
2017	Shwethashree	Two Days National level Workshop on Internet of Things IOT 2018
2017	Md. Shafiulla	Two Days National level Workshop on Internet of Things IOT 2018
2017	Dadapeer	Two Days National level Workshop on Internet of Things IOT 2018
2017	Sridhar S K	Two Days National level Workshop on Internet of Things IOT 2018
2017	T M Hayath	Two Days National level Workshop on Internet of Things IOT 2018
2017	Usman K	Two Days National level Workshop on Internet of Things IOT 2018
2017	Sudhakar Avareddy	Two Days National level Workshop on Internet of Things IOT 2018
2017	Prof. Venkateshwar	Two Days National level Workshop on Internet of Things IOT 2018
2017	Prof. Anita	Two Days National level Workshop on Internet of

	Patil	Things IOT 2018
2017	Mrs. Shwethashree A	Two Days FDP on Hands on Python for Data Science: Insight into Machine Intelligence with Tensor flow
2017	Mrs. Swathi D V	Two Days FDP on Hands on Python for Data Science: Insight into Machine Intelligence with Tensor flow
2017	Mr. Sudhakar Avareddy	Three Days Workshop on Computer Network Programmin in JAVA and Network Simulator 2
2017	Mrs. Lakshmi Kumari	Recharge Methodologies and Latex
2017	Ms. Manjula R.	MiniPoco, IEEE workshop.
2017	RAGHAVENDRA KARNOOL	Instructional Design And Delivery System
2017	Mr. Ulaganathan J	ICEECCOT 17, Mysore
2017	Mr. Raymond I,	ICEECCOT 17, Mysore
2017	Mr. Abdul Lateef,	ICEECCOT 17, Mysore
2017	Mr. Premachand D R,	ICEECCOT 17, Mysore
2017	Shantala H	Effective teaching and learning of smart grid and micro grid technologies
2017	Vijaya Krishna	DSP lab
2017	Prof. Venkateshwar	Three Days Workshop on Computer Network Programmin in JAVA and Network Simulator 2
2017	Mrs. Geetha H Y	Short term course at NITK, Surathkal
2017	Mr. Anil Kumar. H. M	International Conference on Recent Advances in Materials, Mechanical and Civil Engg.
2017	Arati P B	Intelligent algorithms and applications
2017	Mr. Raghavendra Setty	Instructional design and delivery system
2017	Mr. Dhananjaya Kumar	Research methodology
2017	Dr. Raghavendra Joshi	Recharge Methodologies and Latex

2017	Shantala H	New model curriculum for first year B.E/B.Tech. CBC detailed syllabus 2018 19 as per outcome based education format including course outcomes and Bloo taxonomy
2017	Dr. U. M. Daivagna	Elements of vibration analysis
2017	Sarala P	Effective teaching and learning of smart grid and micro grid technologies
2017	Sandeep Y M	DSP lab
2017	Mr. Raghavendra Setty	Applied impact mechanics
2017	Mrs. Nilam Chheda	MiniPoco, IEEE workshop.
2017	Ms. Bharathi	IOT, NITK, Surathkal
2017	Mrs. Sumalath	IOT Workshop at NITK, Surathkal
2017	Mr. Raghavendra Setty	Introduction to linear finite element analysis
2017	Mrs. Swetha N.	ICIOTSC 17, Nellore
2017	Mrs. Swetha N	ICEECCOT 17, Mysore
2017	Dinesh K	FDP on Using Blended MOOCs In Management Educatio

[View File](#)

6.3.2 – Number of professional development / administrative training programmes organized by staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From da
2017	INSTRUCTIONAL DESIGN AND DELIVERY SYSTEMS	NIL	18/12/2
2017	National workshop on Internet of Things	NIL	09/02/2
2017	Workshop on Avenues for Research Publications	NIL	18/01/2
2017	Title Financial Modelling using Spreadsheet	NIL	22/09/2
2017	Interactive session on OBE NBA Documentation	NIL	14/10/2

2017	Training Program on ISO Internal Auditors	NIL	07/08/2
2017	TWO days Workshop on SYPE Software	NIL	20/04/2
2017	ONE day FDP on Quality Assurance in Higher Education	NIL	21/08/2

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Progra...
Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended
One Day Workshop On Tableau An Advanced Analytics Tool For Data Analysis	9
Five Days Workshop On Mess-Based Sensors Fabrication and Characterization Techniques	2
Two Days National Level Workshop On Internet Of Thingsiot-2018	7
Heat Transfer and Its Application	1
NPTEL-Effective Engineering Teaching In Practice	2
Additive Manufacturing Theory and Practice	1
Two Days Workshop On Advancement In Ns-2/3 Using Scripts and C	2
Total Quality Management Program	2
Two Days Workshop On Cortex M3 Microcontroller	1
Recent Development and Challenges In Material and Manufacturing Processrdcmmp 2018	2
Three Days Workshop On Arm Cortex M3	1
Instructional Design and Delivery Systems	15
Nit-Recent Advancements In Xilinx and Asic Designs	1
Three Days Workshop On Application Of Matlab/Simulink In Control System, Power System and Signal Processing	2
Five Days Workshop On Algorithmic Foundations Of Wireless Sensor Networks With Application	2
IEEE Collaboration Workshop On How To Publish SCHORLY Articles	18
Interactive Session On OBE and NBA Documentation	4
Two Days Workshop On Usage Of Open Source Softwares In Technical Institutes	1
Two Day Faulty Development Programme On Internet Of Thingsiot	2
Nx11 Academia Modules	4

Workshop On Introduction To Python	1
Five Days Faculty Development Programme On Iot Application Development Using Raspbrrypi and Arduino	1

View File

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

Teaching		
Permanent	Full Time	Permanent
29	29	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	
PF, Group Gratuity, ESI, CL 15 days pa, EL 30 days nonvacation, 10 days vacation staff, Group Gratuity Scheme, Accidental Insurance, Transport, for Ph.D., Research Contingency, WS Conferences, value added training programmes, Salary Advance facility.	PF, Group gratuity, ESI, CL 15 days pa, Group Gratuity Scheme, Accidental Insurance, Transport Facility, Salary Advance facility.	Accidental Insura Workshops, Con Programmes, in H NSS, Tech Fest, facility for interviews, e facilities Schola Career Guida

6.4 – Financial Management and Resource Mobilization

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

- **Experienced and efficient personnel conduct internal audit regula by Proficient financial auditors • In the Audits, Experts verify al major observations noticed and the reports of the sa**

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philantl Criterion III)

Name of the non government funding agencies /individuals	Fun
NIL	

View File

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		
	Yes/No	Agency	Yes
Academic	Yes	Intertek Agency	Y
Administrative	Yes	Intertek Agency	Y

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

The management arranges for a parent teachers meet once in a semeste
are invited by faculty of all the departments. Student s academic p
attendance and other related issues are discussed. At the inaugur
parents are invited and academic expectations are informed to the p
with respect to rules and regulations, scholarships, value added cou
from time to time. Parents are part of IQAC and Gr

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

Orientation programme Computer and skill-based training

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

Continuous assessments of POs and PSOs based on the results of e
external examinations. Recruitment of faculty with higher qualificat
and International Conferences and FDP for the tea

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conductin IQAC
2017	How to publish scholarly articles publish or perish	17/11/20:
2018	One day faculty development program on Introduction to Computational Fluid Dynamics organized by Dept. of Mechanical Engineering.	14/02/20:
2018	Renewable energies and energy conservation for sustainable development.	15/02/20:
2018	One day Seminar on Smart Materials for 4th Semester organized by Dept. of Mechanical Engineering.	30/05/20:
2018	One day Project Exhibition for Final year students organized by Dept. of Mechanical Engineering.	17/05/20:
2018	One day workshop TABLEAU an advanced analytics tool for data analysis organized by Dept. of Mechanical Engineering.	10/05/20:
2018	One day Seminar on Black Chain Technology for 7th Semester organized by Dept. of Mechanical Engineering.	07/06/20:

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institu

Title of the programme	Perio

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

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

Percentage of power requirement of the University met by the renew
60

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities
Physical facilities
Provision for lift
Ramp/Rails
Braille Software/facilities
Rest Rooms
Scribes for examination
Special skill development for differently abled students

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	
2017	3	3	30/10/2017	1	Enc as

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

Title	Date of publication	Follow up(max 100 wo
SERVICE RULES, POLICIES, PROCEDURES and EMPLOYEE HANDBOOK (REVISED JUNE 2014)	01/07/2017	Service Rules Policies and procedures is cl circulated to all the staff. The details are a https://www.bitm.edu.in/stude
Student Code of Ethics	01/08/2017	Every student is expected to represent him or h in all situations. Students are expected to ma academic integrity. Students are expected

regulations set at/by the National / State / I
prohibited in using mobile phones in the clas
activity. Students should compulsorily wear
visible. Students shall be guaranteed that t
observed by all college members. Students must
peers, teaching and nontea

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Du...
Induction Program for First year B.E. Students	07/(
Introduction to General Aptitude	09/(
Lecture by HOD on Honesty, Integrity and Patriotism	10/(
Awareness on Anti Ragging and Prevention of Sexual Harassment on Women	12/(
Induction program for PG students and Awareness on Plagiarism	30/1

View File

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

300 KWp Rooftop Solar Energy Park. Rain Water Harvesting System. EW
Exclusively Swaach Bharath Waste Collection Van was procured for
manner.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Realtime attendance system was introduced where the staff members
time basis and the students who were absent, a SMS was immediately s
the institution to reduced the number of students having the low at
over all results and in particular first year results by 9. Sustaina
Roof top Solar power plant has been installed with a capacity of 3
energy per day and it meets 60 percent of energy requirement of c
allocated 18 to 20 students, who counsel and mentor them for the
progress. Each student provided with proctoring book, where the
student and log all his previous academic details and his person
proctors to discuss any problems faced by them both academically
Proctors also log their examination details and look into the reva
weaker students. Proctors regularly call the student parents as an
are conducted for students. Every subject or course as a remedia
training the academically weak students and also clarifying the dou
and practice problems are given to increase the confidence as well
students. OBE process is implemented across the institution and less
Taxonomy, Learning Styles. The delivery of the lecture is done usin
and pedagogic methods. Curricular gaps are identified through gap ar
through contents beyond the syllabus, Design Based Experiments, Gu
Programs, etc.

Upload details of two best practices successfully implemented by the institution as per I
provide the link

https://www.bitm.edu.in/wp-content/uploads/2020/03/BEST-

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its visi
words

Introduction of Realtime Attendance System and effective Proctori
Results. Institute vision to impart quality education, by virtue o
technological as well as societal growth and welfare. In line with
the institute consistently provides motivation, support and plat fo
entrepreneurial leadership, project management and multidiscipli
technical competency. The Realtime attendance system through Edu
wherein the staff members mark the attendance on the realtime ba
absent, a SMS was immediately sent to the parents by the Mentor. :
reduce the number of students having the low attendance by 5 and al
year the students improved phenomenally by nine percent, due to r
education, effective mentoring and proctoring and implementation of
has adopted standardized proctoring system wherein every 20 stud
faculty.

Provide the weblink of the institution
https://www.bitm.edu.in/wp-content/uploads/2020/03/Institutional

8.Future Plans of Actions for Next Academic Year

1. Fostering to start and Entrepreneurship and startup the Incubatio
Placement Activity while having more collaborations and centre of ex
Programs for Faculty. 4. Improvement in the publications in quality
build state of the Art New Electrical Block. 6. To improve the Acade
teaching methodologies and through remedial classes. 7. To promote b
through social media enabling improvement in admissions.