

**BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT**

*“Jnana Gangotri” Campus, #873/2, Ballari-Hosapete Road,  
Near Allipur, Ballari-583104 (Karnataka)*



***ANNUAL REPORT  
FOR THE YEAR 2018-19***

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# *A Tribute to Our Founder Chairperson*



***Late. Smt. Basavarajeswari***  
***Former Union Minister***  
***(08.10.1929 to 19.02.2008)***

*After serving the Nation for almost four decades she had a vision to give quality education to students of Bellary. It was her deep conviction that education needs to be joyful experience that facilitates the growth and transformation of young minds at their impressionable age and fortifies them with the required knowledge and the skills to face the challenges of a competitive world. She was also very keen on women's education and her achievements are as follows:*

- *Member, Karnataka Legislative Assembly, 1957-72*
- *Deputy Minister, Social Welfare & Minor Irrigation, Karnataka*
- *Member, Karnataka Legislative Council, 1980-83*
- *Member of Parliament 8th, 9th & 10th Lok Sabha from Bellary Constituency from 1984 to 1996.*
- *Union Minister of State for Women & Child Development, 1993-1995.*
- *In the Year 1995, as a Union Minister represented India for "World Women's Conference" at Beijing, China*
- *Participated in SAARC Meeting and travelled & addressed most of the foreign countries*
- *Founder Chairperson, Tungabhadra Education Health & Rural Development Trust(R), Bellary.*

## **Tungabhadra Education Health & Rural Development Trust®, Ballari**

Implementing world class education, at Nursery, Primary, Secondary, Pre-University, Technical and Management education, has been the primary prerogative of the TEHRD Trust, which was founded in 1981 with the aim of bringing out the best in today's generation to excel in the areas of Engineering and Technology, Management and Schooling.

As the adage goes, "Behind every successful man, there is a woman", so to speak, behind every great human enterprise, there are a few extraordinary individuals, sharing the same vision and deriving motivation from its founder.

The TEHRD Trust was founded by Late Smt. Basavarajeswari, former Union Minister and the Chairperson of Trust, who had a futuristic vision and a penchant for educating children from all walks of life, including children of a lesser God. A woman who had the drive, commitment and unparalleled passion towards the cause of educating every individual, be it any strata of the society, and an unwavering goal towards achieving a high level of literacy in the society. Thus, transforming lives through sound education and preparing the upcoming generation to be global contributors.

As an ode to its renowned founder, the Ballari Institute of Technology & Management, Sanjay Gandhi Polytechnic, Bellary Private Industrial Training Institute, Basavarajeswari Public School & College, BPSC Pre-University College, Ballari Business College are under the patronage of "BASAVARAJESWARI GROUP OF INSTITUTIONS".

A zealous Key Team, comprising of Dr. Yashwanth Bhupal, B.E., M.S., Ph.D., MIE, MISTE, Managing Trustee / Chairman of BITM, competently supported by Dr. S. J. V. Mahipal, M.B.B.S., M.D., Chairman of the Trust & BPSC, Sri. S. B. Ashok Bhupal, Trustee, and Mr. Y.J. Prithviraj Bhupal, B.E., M.Tech., (Aust.), Trustee / Deputy Director of BITM, Dr. V J. Bharath, MBBS, D. Ortho, DNB Ortho, Trustee and Sri. S. B. Amarraj Bhupal, LL.M., Trustee have been bringing laurels-along the TEHRD Trust vision due to their tireless efforts. In other words, they have given wings to the vision of Basavarajeswari Group of Institutions.

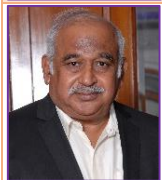
### **BOARD OF TRUSTEES**



**Dr. S. J. V. Mahipal,**  
M.B.B.S., M.D.,  
**Chairman,**  
**T.E.H.R.D. Trust ® / BPSC**



**Dr. Yashwanth Bhupal,**  
B.E., M.S., Ph.D., MIE, MISTE,  
Managing Trustee /  
Chairman & Director, BITM



**Sri. S. B. Ashok Bhupal, B.A.,**  
**Trustee, T.E.H.R.D. Trust ®**



**Mr. Y.J. Prithviraj Bhupal, B.E.,**  
M.Tech., (Aust),  
Trustee/ Deputy Director



**Dr. V J. Bharath,**  
MBBS, D. Ortho, DNB Ortho,  
**Trustee, T.E.H.R.D. Trust ®**



**Sri. S. B. Amarraj Bhupal,**  
LLM,  
Trustee, T.E.H.R.D. Trust ®

**Sri. P. Somayya,**  
**Trustee, T.E.H.R.D. Trust®**



**BASAVARAJESWARI GROUP OF INSTITUTIONS**

**T.E.H.R.D. Trust® , Ballari**

**One Team... One Vision...**

**Kindergarten to Post Graduation**



**BPSK Kids Academy, Ballari**  
**Play School to UKG**  
**Basavarajeswari Public School & College,**  
**Ballari (Estd. 2006)**  
**ICSE 1st- 10<sup>th</sup> Std**



**Bellary Private Industrial Training**  
**Institute, Ballari (Estd. 2006)**  
**ITI – Fitter & Electrician**



**Sanjay Gandhi Polytechnic, Ballari**  
**(Estd. 1992)**  
**3 Years Diploma Courses**



**Ballari Business College, Ballari**  
**(Estd. 2012)**  
**BBA & B.Com (Gen. & TPP)**



**BPSK Pre University College, Ballari**  
**(Estd. 2012)**  
**Science & Commerce**



**Ballari Institute of Technology &**  
**Management, Ballari (Estd. 1997)**  
**BE, M.Tech., MBA & Research Centre**

**BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT**

*With its forte being accomplished, highly proficient and devoted faculty, with a sound knowledge of the subject, along with an innate desire to go toe to toe with the times and latest developments in emerging fields, has been BITM'S, alias Ballari Institute of Technology and Management's greatest strength. The institute's USP is its unfathomable student-teacher rapport and a student centric learning to give shape to the students' overall outlook. Preparing students for meeting futuristic challenges of the tomorrow are monitored very closely by the faculty, with a personal touch. Feedbacks, after counselling students and parents, to arrive at solutions play a very important role in seeing students achieve their zenith. To take the big leap in the corporate milieu, in-house training and projects, soft skills and R&D are subjects that essential to the student curriculum. Workshops and Personality Development, Industry-Institution Interactions are routine on campus.*

*The Governing Body of BITM has shown its mettle, as its members are pooled in from various professions such as academicians from IIM, IITs, Industrialists, Medical & Software professionals and Chartered Accountants.*

*A dedicated internet connectivity along with high-speed wireless networking together with latest computers and software complemented with well-equipped laboratories and a spacious library, rich in collection of books and journals speaks volumes about BITM's State-of-the-art infrastructure. The campus, spread over 11 acres of greenery, with eco-friendly surroundings, has facilities that are a class apart, combining aesthetics with modernity. With a separate hostel facility for boys & girls and a recreational area, BITM has come a long way, in terms of providing the very best facilities and imparting technical and management education with highly acclaimed academic delivery complemented with superlative infrastructure.*

*An ISO certification being one of its many credentials and adopting the stipulations laid down by Intertek and being conferred with an ISO 9001:2008, BITM is an Accredited Institution, comprising of many feathers in its effervescent cap!! Armed with the ISO certification, BITM conforms to the demanding international standards by creating and implementing a Quality Management System.*

*A plethora of prominent companies have welcomed the outgoing students of BITM with open arms, which is a shining testimony of the priority the institution gives to placement of its students.*

*BITM is the brain-child of its Founder-Director and present Chairman, Dr. Yashvanth Bhupal, B.E. M.S, Ph.D. Besides being highly qualified, he is also a dynamic visionary who has largely, if not singularly, been responsible for the phenomenal growth of the institute. He is a social entrepreneur in the true sense. Since 1974, he has been instrumental in establishing several organisations in various fields like Engineering Industry, Cement & Steel plants and Educational institutes. All of which have immensely benefitted the society in general and the local population in particular. He is the Managing Trustee of the TE.H.R.D. Trust which imparts education to over **9000+** students, from Kindergarten to Post-Graduation levels and provides employment to over **850** motivated personnel.*

### Governing Body Members

SN	Nominated Position in Governing Council	Name of the Member	Date of App.
1	Chairman	<b>Dr. Yashvanth Bhupal</b> , MS, Ph.D., MIE, Chairman & Director, BITM, Ballari	31.05.2008/ 15.02.2010
2	Member	<b>DR. S.J.V.MAHIPAL</b> , MBBS,MD, No.35, 3 <sup>rd</sup> Cross, Gandhinagar, Ballari – 583 103.	01.01.1998 Reappointed on 31.05.2008
3	Member	<b>Sri. S.B. Ashok Bhupal</b> , BA Dhadesugur – Post, Sindhanur - Tq., Raichur-Dist.	01.01.1998 Reappointed on 31.05.2008
4	Member	<b>Prof. Prithviraj.Y.J</b> , B.E., M.Tech. Dy. Director, BITM, Ballari	31.05.2008
5	Member	<b>Sri. N. Srinivasan</b> , CA Chartered Accountant, 132, 2 <sup>nd</sup> Floor, Kantha Court, Lalbagh Road, Bangalore.	02.04.2005
6	Member	<b>Dr. V.J. Bharath</b> , MBBS, MD No.35, 3 <sup>rd</sup> Cross, Gandhinagar, Ballari.	23.12.2017
7	Member	<b>Mr. Amarraj Bhupal</b> , LLM H.No: 496, RMV Extension, 9 <sup>th</sup> cross, 3 <sup>rd</sup> main Bengaluru.	23.12.2017
8	Nominee of AICTE – Regional Office (Ex-Officio)	The Regional Officer/ Dy. Director & Member Secretary, All India Council for Technical Education, (SWRO), Bangalore.	05.02.2004
9	An industrialist/ Technologist/ Educationalist from the Region to be nominated by the concerned Regional Committee as nominee of the Council, out of the panel approved by the Chairman of the Council.	<b>Prof. E.S. Rao</b> , BE, DIIT, M.Tech. 302, Sai Mansion, 191/B, B.K. Guda Park, S.R. Nagar, Hyderabad – 500 038	25.06.2002
10	Nominee of the Affiliating Body/ University/ State Board of Technical Education.	<b>Dr. Venkatesh</b> , Principal, Govt. Engg. College, Kushalnagar -571234, Kodagu District	01.03.2018
11	Nominee of State Government – Director of Technical Education/ Director of Medical Education/ Drugs Controller (Ex-Officio)	The Director of Technical Education Board, Govt. of Karnataka, Palace Road, Bangalore.	04.12.2003/ 31.01.2007
12	An Industrialist Technologist/ Educationalist from the Region nominated by the State Government.	<b>Prof. A. Jayakara Hegde</b> , B.E., M.Tech. D.No.2-112, Bantwady Post, Via Trasi – 576235 Senapur Village, Kundapur-Tq., Udupi Dist.,	23.01.2003
13	Faculty members nominated from the regular staff.	<b>Dr. G.P. Dinesh</b> , BE, MBA, Ph.D., Professor, BITM, Ballari	20.12.2014
14	Faculty members nominated from the regular staff.	<b>Dr. R.N. Kulkarni</b> , BE, M.Tech., Ph.D., Prof. & HOD, Dept. of CSE, BITM, Ballari	20.12.2014
15	Principal/ Director of the Concerned Technical Institution (as nominee of the Society/Trust). Member Secretary.	<b>Dr. V.C. Patil</b> , BE, M.Tech., Ph.D., Principal – Member Secretary, BITM, Ballari	20.12.2014

**Industry Advisory Board**

<b>SN</b>	<b>NAME</b>	<b>DESIGNATION</b>	<b>POSITION</b>
<b>1</b>	<i>Dr. Yashvanth Bhupal</i>	<i>Chairman, BITM</i>	<i>Chairman</i>
<b>2</b>	<i>Mr. Y.J. Prithviraj Bhupal</i>	<i>Dy. Director</i>	<i>Member</i>
<b>3</b>	<i>Dr. V.C. Patil</i>	<i>Principal, BITM</i>	<i>Member</i>
<b>4</b>	<i>Mr. S. N. Rao</i>	<i>Director</i>	<i>Member</i>
<b>5</b>	<i>Mr. Nisar Ahmed</i>	<i>Vice President</i>	<i>Member</i>
<b>6</b>	<i>Mr. P K Sarkar</i>	<i>Vice President-Energy</i>	<i>Member</i>
<b>7</b>	<i>Mrs. Seema Sali</i>	<i>Vice President HR (Alumnus of IIM-C)</i>	<i>Member</i>
<b>8</b>	<i>Mr. Bapuji Chikkanagappa</i>	<i>Head HR</i>	<i>Member</i>
<b>9</b>	<i>Mr. Sriram Iyer</i>	<i>Principal Consultant</i>	<i>Member</i>
<b>10</b>	<i>Dr. G.P. Dinesh</i>	<i>Dean</i>	<i>Member Secretary</i>



**BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI****Vision**

To contribute valuable graduates for industry and society through excellence in technical & management education and research.

**Mission**

- > To offer state-of-the-art undergraduate, postgraduate and doctoral programmes.
- > To empower the students with Technical, Managerial Skills and professional ethics.
- > To collaborate with academia and industries for skill development.

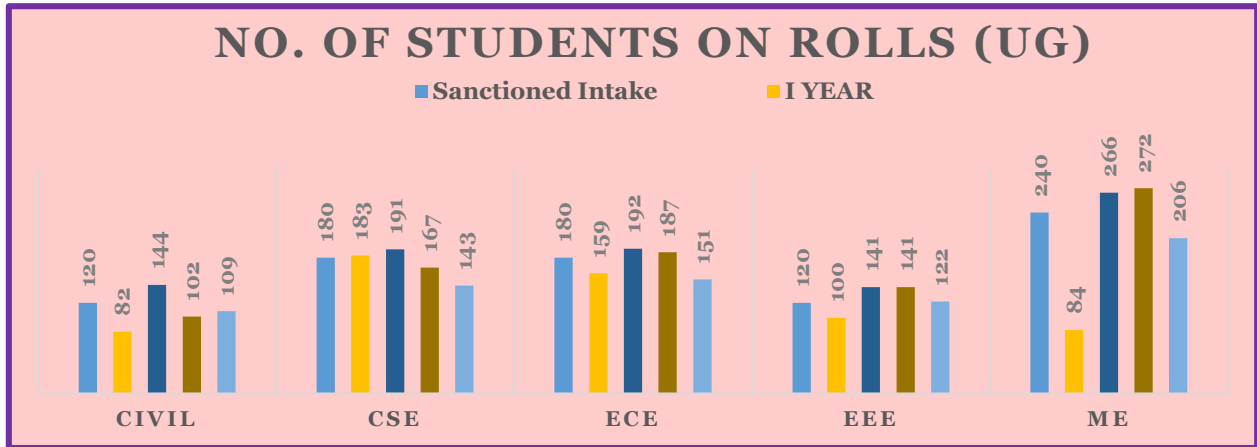
The Vision & Mission and the objectives of the institutions are prepared taking into consideration the views of all the stakeholders: Management, faculty, students, parents, alumni, and industry. The Institute strongly believes in transparency, participative decentralized leadership and delegation of powers at various levels.

**Courses Offered:**

Sl. No	Programmes & Courses	Year of Est.	Accreditation Status			
			NBA		NAAC	
			From	To	From	To
<b>Under Graduate Course</b>						
1	Computer Science & Engg.	1997	2011	2014	2015	2020
2	Electronics & Comm. Engg.	1997	2011	2014	2015	2020
3	Mechanical Engg.	1997	2011	2014	2015	2020
4	Electrical & Electronics Engg.	2007	-	-	2015	2020
5	Civil Engg.	2014	-	-	2015	2020
<b>Post Graduate Courses</b>						
1	Computer Network Engg.	2004	-	-	2015	2020
2	Digital Electronics	2007	-	-	2015	2020
3	VLSI	2011	-	-	2015	2020
4	Design Engineering	2012	-	-	2015	2020
5	Power Electronics	2014	-	-	2015	2020
6	MBA	2007	-	-	2015	2020
<b>Research Centre</b>						
1	Computer Science & Engineering	2013	--	--	--	--
2	Electronics & Communication Engg	2014	--	--	--	--
3	Mechanical Engineering	2012	--	--	--	--
4	MBA	2012	--	--	--	--
5	Chemistry	2010	--	--	--	--
6	Physics	2012	--	--	--	--
7	Mathematics	2012	--	--	--	--

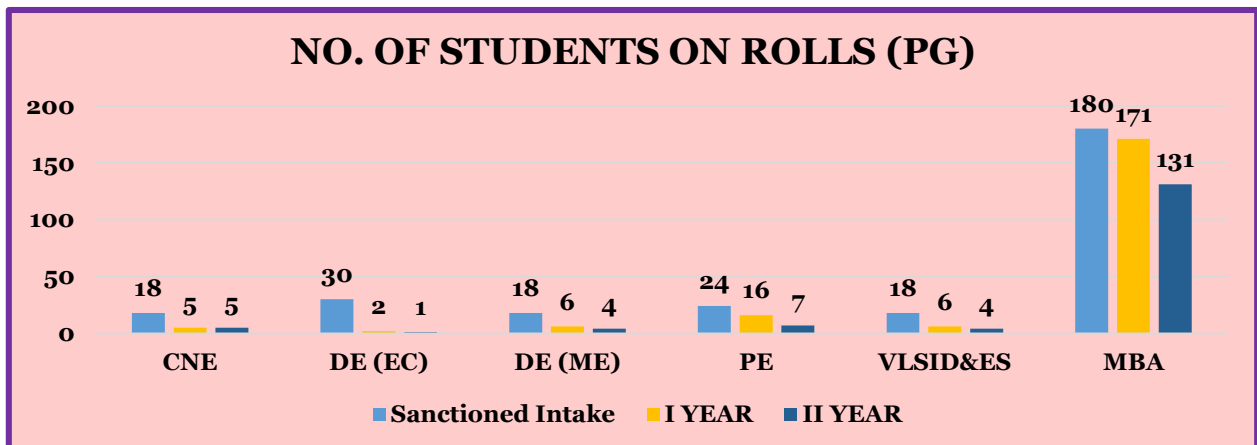
**NO. OF STUDENTS ON ROLLS (UG)**

S N	Course	Sanctioned Intake	Total No. of students Admitted											
			I YEAR			II YEAR			III YEAR			IV YEAR		
			M	F	T	M	F	T	M	F	T	M	F	T
1	Civil	120	49	27	76	96	48	144	66	36	102	72	37	109
2	CSE	180	63	110	173	66	125	191	38	129	167	38	105	143
3	ECE	180	66	83	149	81	111	192	69	118	187	49	102	151
4	EEE	120	58	36	94	66	75	141	66	75	141	57	65	122
5	ME	240	71	0	71	258	8	266	268	9	272	193	13	206



**NO. OF STUDENTS ON ROLLS (PG)**

Sl. No.	Course	Sanctioned Intake	Total No. of Students Admitted					
			I Year			II Year		
			M	F	T	M	F	T
1	M.Tech.-CNE	18	1	4	5	1	4	5
2	M.Tech.-DE (EC)	30	1	1	2	0	1	1
3	M.Tech.-DE (ME)	18	4	2	6	4	0	4
4	M.Tech.-PE	24	9	7	16	3	4	7
5	M.Tech.-VLSI	18	0	6	6	1	3	4
6	MBA	180	95	76	171	52	79	131

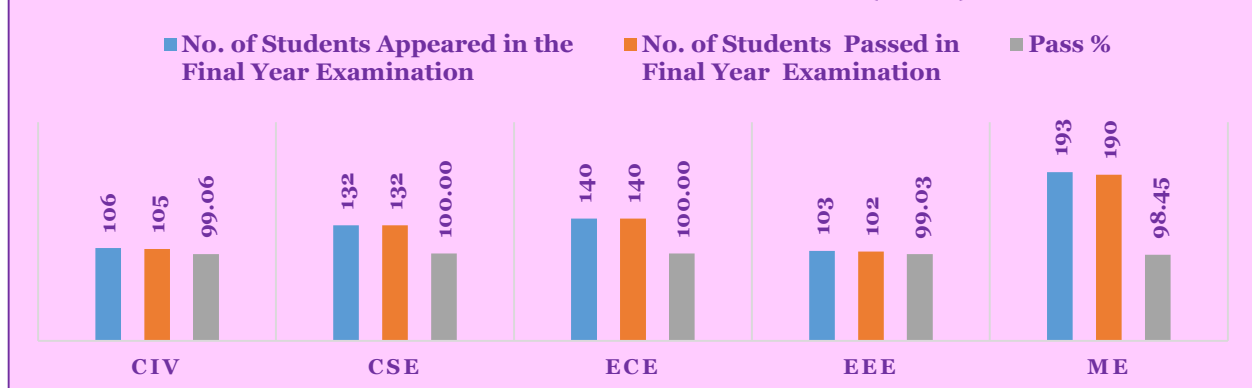


**RESEARCH CENTRE DETAILS****Candidates Registered for Ph.D.,**

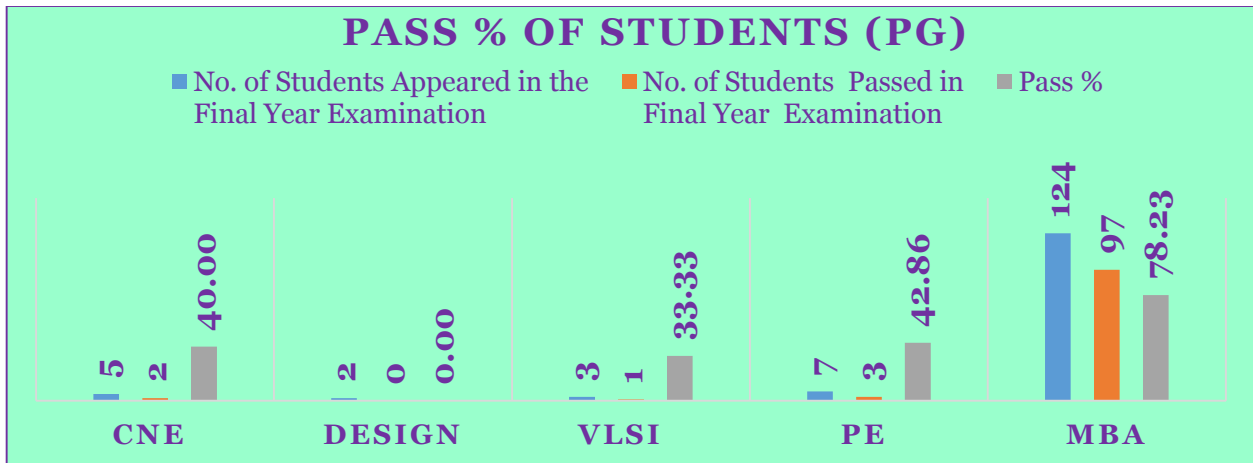
Sl. No.	Name	Department / Research Centre	Total no. of Candidates	Awarded
1	Dr. R N Kulkarni	CSE	04	-
2	Dr. B M Vidyavathi	CSE	06	-
3	Dr. Rajashree V Biradar	CSE	06	-
4	Dr. Aradhana D	CSE	01	-
5	Dr. Suresh Y	CSE	02	-
6	Dr. U. Eranna	ECE	07	03
7	Dr. V.C. Patil	ECE	08	01
8	Dr. K.M. Sadyojatha	ECE	04	-
9	Dr. Yadavalli Basavaraj	Mechanical	06	-
10	Dr. Raghavendra Joshi	Mechanical	06	-
11	Dr. V. Venkat Ramana	Mechanical	04	-
12	Dr. V. Ravi	Mechanical	02	-
13	Dr. U M Daivagna	Mechanical	02	-
14	Dr. Janet Jyothi Dsouza	MBA	03	-
15	Dr. Shaheeda Banu.S	MBA	02	-
16	Dr. Machappa T	Physics	02	-
17	Dr. Vijay Kumar B	Physics	-	-
18	Dr. Suresh	Chemistry	03	-
19	Dr. K.S.R Shridhar	Mathematics	01	-
20	Dr. Pralahad Mahagaonkar	Mathematics	01	-

**Pass percentage of students**

Program Code	Programme name	Programme Specialization	No. of students appeared in the final year examination	No. of students passed in final year examination	Pass %
BE	Engg.	CIV	106	105	99.06
BE	Engg.	CSE	132	132	100.00
BE	Engg.	ECE	140	140	100.00
BE	Engg.	EEE	103	102	99.03
BE	Engg.	ME	193	190	98.45

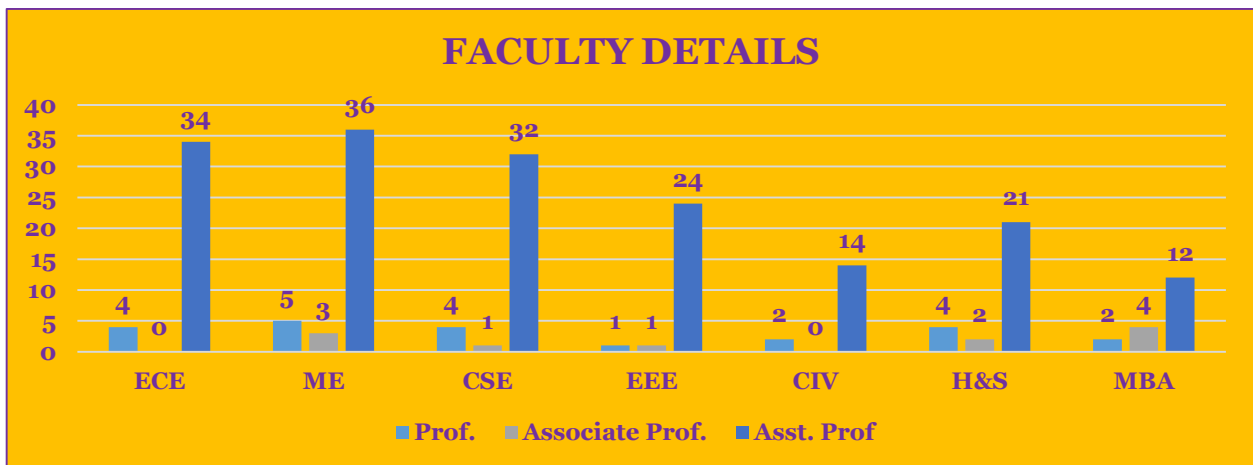
**PASS % OF STUDENTS (UG)**

Programme Code	Programme name	Programme Specialization	No. of students appeared in the final year examination	No. of students passed in final year examination	Pass %
M.Tech.	Engg.	CNE	5	2	100
M.Tech.	Engg.	DE(ME)	2	0	100
M.Tech.	Engg.	DE(ECE)	0	0	25
M.Tech.	Engg.	VLSI	3	1	77.78
M.Tech.	Engg.	PE	7	3	66.67
MBA	MBA	MBA	124	97	78.23



### FACULTY DETAILS

Dept.	Prof.	Associate Prof.	Asst. Prof	Total
ECE	4	-	34	38
ME	5	3	36	44
CSE	4	1	32	37
EEE	1	1	24	26
CIV	2	-	14	16
H&S	4	2	21	27
MBA	2	4	12	18
TOTAL	22	11	173	206





## **Dept. of Computer Science & Engineering**

*The Department of CSE offers B.E. in Computer Science & Engineering and M. Tech. in Computer Network Engineering. The department has well qualified, experienced and committed faculty to provide quality education to the students. The Department Infrastructure fulfils the requirements of academics, supports research and learning skills on the latest technology. The research culture among the students is harnessed at the UG and PG level augmented by the approved research centre of VTU, Belgaum.*

*To bridge the gap between the Industry and Academia, BITM has signed MoU with IBM Bangalore, J/Q Spider Bangalore, Infosys Ltd. Bangalore for training, Certification and Placements. BITM has centre of Excellence with IBM in the area of Cloud Computing, Mobility and Data Analytics. The students are certified by IBM after the completion of the course.*

*The department encourages the students to work on Interdisciplinary and Collaborative projects using both hardware and software to improve the Team work, Communication skills and deeper learning. The department is also in the process of setting up of Centre of Excellence in the area of Robotic Process Automation for which the training programs for both students and faculty is completed.*

*The department has student Forum viz., TechVruksha and Computer Society of India (CSI) Chapter and IEEE Student branch that provides platform for student centric activities.*

### **Vision:**

To be a state-of-the-art learning center that responds to the future challenges.

### **Mission:**

M1: To impart knowledge with relevant theoretical and practical aspects.

M2: To inculcate design and development process relevant to the industry.

M3: To enhance leadership abilities through team work and research.

The vision and mission of the department are in line with that of the institute. Given the dynamic environment of CSE, we need to create technical manpower that is well versed with current requirements of the industry, engaged in research work on real world problems. It envisages building leaders.

### **Programme Educational Objectives (PEOs)**

<b>PEO-1</b>	Accomplish a progressive career by applying fundamental principles and design methodologies of computer science and engineering.
<b>PEO-2</b>	Provide practical solutions to solve problems of industry and society at large.
<b>PEO-3</b>	Exhibit professionalism through managerial skills and develop innovative products.

### **PROGRAM SPECIFIC OUTCOMES (PSOs)**

**PSO1** Demonstrate the principles, architecture and organization of computers, embedded systems and computer networks.

**PSO2** To develop software applications using advanced technologies to cater the growing needs of industry

## ***Department of Electronics & Communication Engg.***

*The Department was established in the year 1997 having vast academic and research experience, it provides undergraduate & post-graduation education to create, innovative graduates who can, design, analyse, develop and produce electronic and communication systems to meet the present day demands.*

*Today's world is an electronic world and has paved its way in almost every area, such as healthcare, medical diagnosis, automobiles, industries, etc. The emerging trends throughout the world today are IoT, Artificial Intelligence, and Robotics. This will create further demand for electronics and communication engineers in days to come.*

*The graduates in ECE have many career opportunities in defence services, telecommunications services, embedded systems development, electronic hardware design and manufacturing, VLSI design, software development, power sector, TV industry, music industry, automobiles, space communications, IT, home appliances development, electronic security systems, mobile phones testing and development, communication protocols development, optical communications development, etc.*

*The department has received funds from agencies like AICTE and VGST. The faculty members and students have published their research articles in various national and international journals/conferences. The department is very keen about the overall development of the students In this regard various curricular, extracurricular and co-curricular activities are conducted under student chapters of professional bodies like IEEE Student Chapter, IETE and in-house forum called "Vaiseshika". This helps in developing additional skills (value addition) and good attitude among students. The students are given opportunity to gain hands on experience in the emerging areas of Electronics and Communication Engineering through MOUs with IIT Bombay, IBM, Texas Instruments, NI Labs etc. This has helped the department to achieve higher placement records.*

### **VISION**

To be a Centre of Excellence for Learning and Development of Skills.

### **MISSION**

- ◆ To equip the graduates with strong foundation to meet the growing challenges.
- ◆ To inculcate design and development skills relevant to the industry and research.
- ◆ To impart innovative technologies and professional values through teamwork.

### ***Programme Educational Objectives (PEO's):***

- PEO1 To acquire strong knowledge in Basic Science, Mathematics and ability to apply this knowledge in the relevant fields of E&CE.
- PEO2 To develop technical competence and uplift research ability to solve real time problems.
- PEO3 To obtain professional Excellency through lifelong learning and produce graduates with professional values.

### ***Program Specific Outcomes (PSO's)***

- PSO1: To understand the principles, processes, techniques and design aspects of electronic devices, circuits and communication systems.
- PSO2: To apply, analyse and design electronic circuits, communication systems, embedded systems by using higher engineering mathematical foundations, computational principles and network modelling skills.
- PSO3: To develop electronic hardware and software systems for universal requirements using sensors, embedded controllers, signal processors, Analog and digital integrated chips.

## ***Dept. of Mechanical Engineering***

*The Department, continuously recording excellent results in all semesters and students constantly being exposed to the latest techniques in Mechanical Engg, has earned a lot of accolades due to the well-equipped laboratories and good infrastructure along with a host of qualified and dedicated faculty. Added to this, the conducive atmosphere for research and learning, speaks volumes of the Dept. of Mechanical Engineering, led by Dr. Yadavalli Basavaraj, B.E, M.Tech, Ph.D.*

*A well-equipped Measurement and Material Testing Lab, along with the other labs such as, Heat Transfer, Internal Combustion Engine, Fluid Mechanics & Machinery, Robotics and CAD/CAM, Dynamics of Machines, Machine Shop and Basic Workshop and a dedicated Project Lab, wherein previous projects are displayed, so that students and faculty can undertake research activities. Regular industrial visit to JSW Steels, KPCL Thermal and Hydro Plant, Kirloskar Ferrous Ltd, LANCO Infratech, etc., are arranged every year.*

*The department has set up a centre of excellence in the area of Flexible Manufacturing System with Robotic Arm and Conditioning Monitoring with cost of Rs.1.08 Crores and has an MoU with Harita Tech Serve Ltd., (A unit of TVS Group), in the field of NX Siemens Design Academic Modules and Advanced ANSYS are taught to students in addition to university curriculum.*

*The Department is having a Students Forum viz., "Mechanical Engineers Forum" wherein the students participate in extra-curricular & co-curricular activities, seminars, workshops, etc., Students take initiative in getting innovative technical ideas, which are published in the department Magazine "YANTRIKA". Competitive examination training for PSU, GATE, etc., are also provided.*

### **VISION**

To be a center of excellence that provides best of teaching, learning and research.

### **MISSION**

- ♦To impart knowledge with strong theoretical and practical aspects.
- ♦To prepare effective and responsible graduates to meet the industry requirement.
- ♦To develop leadership qualities through team work and professional ethics.

### ***Programme Educational Objectives (PEOs):***

- PEO 1** To make graduates self-sustained by exploring to engineering problems with innovative ideas to tackle real-time issues.
- PEO 2** To make graduates aware of the significance of competence in core engineering concepts to adopt good ethical and leadership qualities.
- PEO 3** To inculcate the graduates to pursue lifelong learning processes.

### **Program Specific Outcomes (PSO's)**

- PSO1:** Ability to utilize their knowledge in Mechanical Engineering Sciences on an applied basis.
- PSO2:** Ability to apply learned principles to the analysis, design, development and implementation to more advanced mechanical systems or processes.

## ***Dept. of Electrical & Electronics Engineering***

*Electrical Engineering is one of the core branches of engineering which has driven the world of technology to excellence. With rapid industrial growth in the country, the requirement of electrical engineers has tremendously increased in power sector, industries, private and government organizations. This has resulted in opening of enormous opportunities for graduate electrical engineers.*

*The department's excellent infrastructure along with well qualified and professionally experienced faculty of Electrical Engineering Department ensures quality education and bright future to its students. The department has R&D centre for conducting research programs. The department provides modern facilities for practicing modern techniques of pedagogy. Different laboratories are equipped with modern hardware/software design tools for facilitating practical training for students. The facilities are also extended to students for development and demonstration of projects.*

*The department conducts regular seminars and workshops under the department forum. Experts from the industry and reputed organizations are periodically invited to give lectures and demonstrations to the students on latest developments in the field. Students are given exposure to industries by industrial visits and industrial training session. The department offers post-graduation program in Power electronics. The Department takes pride in its ability to nurture students and produce University Ranks both in UG and PG*

*The department has student Forum viz., "Electrical Engineer Forum", "Power Electronic Society" and IEEE Student branch that provides platform for student centric activities.*

### **VISION**

To create a center for innovation and excellence in teaching, research and service in a learning environment in the high academic ambiance for imparting technical education of high standards to meet the current and future challenges of the technological developments.

### **MISSION**

- To provide highest quality teaching and learning environment with emphasis to produce competent and compassionate graduates in electrical engineering.
- To discover, disseminate and apply knowledge related to the broad aspects of electrical engineering through education and research in close interaction with industry thus produce graduates who are fully equipped to achieve highest personal and professional standards for overall development.

### **Program Educational Objectives (PEO)**

- To prepare graduates to excel in professional career by acquiring the broad knowledge of electrical engineering.
- To prepare graduates capable of pursuing higher education and research.
- To prepare graduates to engage in lifelong learning, professional development activities, and/or other career enhancing activities.
- To prepare graduates to develop leadership qualities, professional ethics and soft skills to be successful in their professional careers in industry or academia.



## ***Department of Civil Engineering***

*The department is committed towards achieving excellence in technical education so as to produce competent and confident engineers. It houses excellent and modern laboratories, classrooms with projectors, and computing facilities for teaching and research.*

*The faculty is well motivated and takes personal care of the students and counsels them at regular intervals. The students are encouraged to participate in external competitions and organize industrial visits, survey camps and research projects.*

*Technical Activities Every semester, technical seminars, Guest lectures and workshops are conducted by inviting experienced academicians and Industrial experts for the benefit of students giving exposure of the recent trends in civil engineering and also arranging technical trips for the students.*

***Finishing School:*** *A concept based program will be conducted for 8<sup>th</sup> semester Civil Engg Students every year to bridge the gap between industry and institution so as to increase the employability of the students.*

***Consultancy:*** *The Department has actively involved in consulting services to clients in the following area; Material Testing - Concrete, Bricks, Blocks, Aggregates and Cement, etc.*

### **Vision:**

To be an outstanding center for imparting quality higher education in Civil Engineering for a constantly changing societal needs with credibility, integrity and ethical standards.

### **Mission:**

- Integrate high quality Civil Engineering Education and research by recruiting high quality faculty.
- Continue updating students with the state of the art practice & industrial interaction.
- Create a supportive environment to meet professional challenges in various Civil Engg domains.
- Facilitate effective interactions among faculty and students, and foster networking with alumni, industries, institutions and other stake-holders.

### **Program Educational Objectives (PEO)**

- Graduates would be able to work collaborate on multi-disciplinary projects and make them self-engage in lifelong learning process through their professional life.
- Graduates would able to engage themselves in higher education, research oriented program.
- Will be able to excel in their Professional career by acquiring functional, analytical, procedural software application and creative knowledge in civil engineering field to have sustainable development as an entrepreneur.

## ***Master of Business Administration (MBA)***

### ***VISION:***

*To provide Value based Management Education to Graduates by enhancing their knowledge and skills through effective linkages with the corporate world.*

### ***MISSION:***

*The mission statement of the B-school describes the purpose of the B-school, its objectives and goals in the given context.*

*Set up in 2007, Department of MBA a premier Management Institute ranked amongst the top B Schools in India. DMS-BITM is an ISO 9001:2008 & CRISIL KA B\*\*\* Rated quality certified management institute. DMS-BITM has an enviable placement record and it offers an excellent return on investment in terms of the placement packages.*

*Top Companies such as Artech Infosystems, Shriram Transport, JSW Cement, Jaro Education, SLV Developers, Juspay, Oracle, IndusInd Bank, ViVo, Mann Hummel, Karvy, Geojit, Living Design, Vodafone, Muthoot Group, College Dehko, TradeBulls, ShareKhan, Axis Bank, AssanJobs, IndiaMart, Thyrocare., etc. are some of the loyal recruiters of our student managers.*

*DMS-BITM is the B-School which creates corporate leaders who “Make a Difference”. Come and be a part of DMS-BITM, become a successful corporate leader.*

*DMS-BITM conducts one week pre-induction and orientation programme. Case Study methodology is adopted for every subject. Faculty members are available to guide and clarify and explain in case of any doubts. Internal examination (minimum two) in each subject is held to assess the level of assimilation. they also gives access to the students for the library book bank scheme and reference section, also online and Harvard business Review journals are available for gaining knowledge, add on to it, online learning module (Swayam) is facilitated, this covers the subjects ranging from financial accounting to business communication. These online modules will help students to gain knowledge into the various subjects of management,*

**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	Duration	Amount
BITM	NAIN OPEX	DEPT. OF IT-BT, GOVT. OF KARNATAKA	2018	1	5,30,110

### Management Information System

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)
- > IQAC Monthly Presentation
- > Budget Meetings
- > Semester Progress Report
- > Governing Council.
- > One Page Monthly Report
- > Management Review Meetings
- > IQAC Quarterly Meetings
- > Annual Report

#### Key Certificate Courses:

Name of the Certificate Course	Duration
Training Programme on “Flexible Manufacturing System”	6 months
Training Programme on “NX Unigraphics”	6 months
Suryamitra Skill Development Programme	3 Months
Finishing School of Training	4 months
Digital Marketing	07 Days

#### Value-added courses imparting transferable and life skills offered

Value Added Courses	Date of Introduction
Python Training by Dlite, Bangalore	23.06.2018 to 02.08.2018
Technical Training by J Q Spiders	16.01.2019 to 30.01.2019
CGI Company Specific Training	02.09.2018 to 05.09.2018
Infosys and Wipro Company Specific Training	10.11.2018 to 13.11.2018

TCS Company Specific Training	29.08.2018 to 30.08.2018
Cap Gemini and Syntel Company Specific Training	25.02.2019 to 28.02.2019
Aptitude and Soft skills training by Innovation Unlimited Solutions Ltd.	09.07.2018

### ICT initiatives:

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	No. of ICT enabled classrooms	No. of smart classrooms	E-resources & techniques used
206	206	YouTube Videos, Course era Simply learn, Google Class Room, Projectors, Simulation Softwares – Multisim, Xilinx, NI LabVIEW, MATLAB, Computer Systems, internet, wifi, laptop, Ms office, whiteboard, printer, photocopier, pen drive, scanners, e-books, e-journals.	59	3	E Journals (IEEE, T&F Online, Springer, Science Direct), NPTEL Lectures, Video Presentation in recent topics, MOOC, EDUSAT, KNIMBUS (E-library)

### Students mentoring system:

The student mentoring system in the institution takes care of the overall development of students in terms of academic performance, building up the career, move towards the right path and be focused in relevant fields.

The objectives of the support system are Monitor the academic performance, Mentor and guide them to achieve and do better in academics, Understand the problems including personal and advice appropriately to monitor the overall development of the student. Each student is allotted with a faculty mentor, and each mentor maintains a Proctor form with details like parent s guardian s name, addresses, contact numbers and academic details, academic scores. Psychological counsellors are available to all the students who are counselled individually, aided therapeutically and are supported in their aspirations related to academics, career plans to air their grievances and cope with issues which may impede their progress in the above areas. All student mentors encourage the students participation, apart from curricular guidance, also in co-curricular, extracurricular and other profession activities, which will motivate them stimulate their growth into well rounded young professionals. Regular orientation programs and Parent meetings are conducted bringing parents into the monitoring mentoring system as key stake holders. Follow up sessions with the parents faculty counsellors and mentors are regularly arranged with the students who have poor performance and attendance to enable them to improve their attendance and performance.



**Honours and recognitions received by teachers:**

Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
<b>Dr .Raghavendra Joshi</b>	Professor	Innovative Technological Researcher and Dedicated Best Academician Award, Global Professionals Educationalist Awards and Honours Convocation 2018,
<b>Dr Yadavalli Basavaraj</b>	Professor and HOD	Distinguished Leader in Engineering, Venus International Foundation, Chennai, Tamil Nadu, India.

**Workshops / Seminars:**

Title of Workshop/Seminar	Name of the Dept.	Date(s)
MACHINE LEARNING and ARTIFICIAL INTELLIGENCE	CSE ECE	27.04.2019

**Awards for Innovation won by Institution:**

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Institutional Best Practices	BITM	AICTE	26.02.2019	Open
Experimental investigation on AI 203 on bottom ash reinforced on aluminium metal matrix composition for structural application.	Mr. Shamshuddin	KSCST	26/ 27.07.2019	OPEN
Experimental investigation on AI 203 on bottom ash reinforced on aluminium metal matrix composition for structural application.	Mr. Shaik Sameer Basha	KSCST	26/ 27.07.2019	OPEN
Experimental investigation on AI 203 on bottom ash reinforced on aluminium metal matrix composition for structural application.	Mr. Ajay B	KSCST	26/ 27.07.2019	OPEN

**Incubation centre:**

Incubation Centre	Name	Sponsored by	Name of the Start-up	Nature of Start-up	Date of commencement
BITM	BRICS	KBITS GOK	Robotic Harvesting	Firmware Application	16.02.2019
BITM	BRICS	KBITS GOK	Drowsiness Detection System	Firmware Application	16.02.2019
BITM	BRICS	KBITS GOK	Lost Item Bureau	Software Application	16.02.2019
BITM	BRICS	KBITS GOK	I Tech Shoes	Firmware Application	16.02.2019
BITM	BRICS	KBITS GOK	Agri Cold	Hardware Application	16.02.2019

BITM	BRICS	KBITS GOK	Legit mate	Software Application	16.02.2019
BITM	BRICS	KBITS GOK	Bio World	Hardware Application	16.02.2019
BITM	BRICS	KBITS GOK	Caring Hearts	Software Application	16.02.2019
BITM	BRICS	KBITS GOK	Photo Voltaic Thermal Fruit Dryer	Hardware Application	16.02.2019
BITM	BRICS	KBITS GOK	Mini Oven	Hardware Application	16.02.2019

### Research Publications:

Departments		No. of Publication
National / International	CSE, ECE, ME, EEE, CIVIL, MBA, Mathematics, Physics	99

### Books and papers in National / International Conference Proceedings per Teacher:

Department	No. of publication
CSE, ECE, ME, EEE, CIVIL, MBA, Mathematics, Physics, Chemistry	33

### Bibliometric of the Publications:

#### Research Papers per Teachers In The Journals

	Name of the author/s	Title of paper	Name of journal
1	Mr. Jagadish R M	Secured Offline Data Synchronization using Speech Recognition and Artificial Intelligence.	IJSST
2	Dr. B M Vidyavathi	SHISTI- An Automated First Aid Application	IJRASET
3	Dr. R N Kulkarni Mr. C.K. Srinivas	An Ameliorated Approach to Represent UML Class diagram in the Table Format	IJCA
4	Dr. R.V. Biradar	Wireless Sensor Network-Framework on Issues, Challenges, Threats and Safety Efforts	IJESI
5	Dr. R.V. Biradar	An Approach to sense Carbon Monoxide by MQ-7 sensors and to increase lifetime of WSN using MMBS protocol.	IJRTE
6	Mr. Girish Kumar	Efficient Access Control Scheme with Multiple Attribute Authorities for Public Cloud storage	IJRAT
7	Mr. Sudhakar Avareddy	Wireless Sensor Network-Framework on Issues, Challenges, Threats and Safety Efforts	IJESI
8	Dr. R N Kulkarni Mr. P Pani Ram Prasad	Restructuring of Java Program to be amenable for Reengineering	JEST
9	Dr. R.V. Biradar Mrs. Anita S Patil	Programming the Sensor Nodes in WSN	IJEAT
10	Dr. R N Kulkarni	Ameliorated Methodology for Retrieval of Data using Query by Example.	IJCTT

11	Mr. Hayath T M	Design Of System For Pest Identification In Leaf And Stem	IJSRED
12	Mr. Srisailanath	Smart Toll Payment System Using Android Applications	IJSRCEIT
13	Mr. Md. Shafiulla	An Android Application For Effective Public Addressing System For Railway Station	IJRESM
14	Mr. Usman K	Real Time Vehicle Parking System Using Mobile Application,	IJTRE
15	Mr. Dadapeer	An Android Application For Employee Tracking System Using GPS And Visualization	IJTRE
16	Mrs. Swathi D V	College Notification System	IJESC
17	Mrs. Shwethashree	Android Based Library Book Availability and Location Finder	IJRASET
18	Mr. Azhar Baig M	An Android Application on Faculty Leave Automation System	IJRASET
19	Mrs. Prathibha Mishra	Online Criminal Record Management System	IJESC
20	Mr. Sudhakar A	Detecting Malicious Facebook Application	IJRESM
21	Dr. T R Muhibur Rahman	Generation of Employee Task Notifier	IJERA
22	Mr. Sridhar S K	Smart Mirror-An Artificially Intelligent Personal Assistant	IJTRE
23	Mrs. Sheetal J	Authentication of E-Payment using Face Recognition System	IJESC
24	Mrs. Tejashwini	Enhancing Data Security in Cloud Environment using Data Masking Approach	IJRESM
25	Mr. Jagadish R M	Android Application for Faculty Knowledge Inventory System	IJESC
26	Mr. Hari Krishna H	Paperless Restaurant System	IJTRE
27	Machappa. T	Room temperature humidity sensing performance of polyaniline –holmium oxide composite	Applied Physics A : Materials Science & Processing- Springer
28	Machappa. T	Polyaniline based stable humidity sensor operable at room temperature	Physics B: Condensed matter -Elsevier
29	Machappa. T	Effect of holmium oxide on impedance and dielectric behavior of Polyaniline holmium oxide composite	Journal of materials science: materials in electronics- Springer
30	Sunil Kumar. A	Polyaniline based stable humidity sensor operable at room temperature	Physics B: Condensed matter -Elsevier
31	Sunil Kumar. A	Effect of holmium oxide on impedance and dielectric behavior of Polyaniline holmium oxide composite	Journal of materials science: materials in electronics- Springer
32	Syed Sadath Ali	Improving SBC of Sandy Soil by Cement Grouting Technique.	Published in IRJET journal, Volume 6, Issue 5, May 2019.
33	Sharanabasava Patil	Precast Carbon Fibre Reinforced Footing.	Published in IRJET journal,

			Volume 6, Issue 5, May 2019.
34	Tanu H M	Study On The Mechanical Properties of Concrete By Replacement Of Coal Bottom Ash For Fine Aggregate	Published in Volume: 05 Issue: 06   June - 2018
35	Chaitra H	Study on the Effect of Sugarcane Bagasse Ash and Banana Fiber on Pressed Laterite Soil Brick	Published in IRJET journal, Volume 5, Issue 1, January 2018.
36	Shwetha KC	REMOVAL OF ARSENIC FROM AQUEOUS SOLUTION USING BOTH FLYASH AND BOTTOM ASH AS ADSORBENTS BY COLUMN STUDIES	Published in Volume: 04 Issue: 07   July - 2017
37	Md. Khalid S	Improvement of California Bearing Ratio Values of Soil by Addition of Quarry Dust and Plastic Strips.	Published in IJIRSET Journal, Volume 7, Issue 7, July 2018.
38	Chaitra H	REMOVAL OF TOTAL SUSPENDED SOLIDS AND TURBIDITY BY ACTIFLO PROCESS USING MICRO-SAND	Published in IJRET. Volume: 04 Issue: 07   July -2017
39	Dr. V.C. Patil	A Survey paper on Performance evaluation of energy efficient protocols for wireless MANETs- a layered perspective	International Journal of Mobile Network Design and Innovation (IJMNDI)
40	Dr. U. Eranna	Complementary Approach for Image Edge Detection Using Rough Mirror Mapping in Neural Network	IJE& Technology
41	Dr. U. Eranna	An Efficient Activity Detection System based on Skeleton Joints Identification	IJECE
42	Dr U Eranna	Pattern Approximation Based Generalized Image Noise Reduction Using Adaptive Feedforward Neural Network	IJECE
43	Dr. V.C. Patil	Eagilla: An Enhanced Mobile Agent Middleware for Wireless Sensor Networks	Alexandria Engineering Journal
44	Dr. U. Eranna	Insights on Research-based Approaches in Human Activity Recognition System	Communications on Applied Electronics (CAE)
45	Dr. U. Eranna	Implementation of Machine Learning Algorithms for different datasets using Python programming language	IJSER
46	Dr. Manjula R	An Efficient Aggregation Technique for Data Privacy in Wireless Sensor Networks	IET Networks
47	Dr. Manjula R	A Novel Source Location Privacy Preservation Technique to Achieve Enhanced Privacy and Network Lifetime in WSNs	Pervasive and Mobile Computing
48	Mr. Shiva Kumar K S	A Survey paper on Performance evaluation of energy efficient protocols for wireless MANETs- a layered perspective	IJMNDI
49	Mr. Fareduddin J. S.	Power Allocation Optimization for Log-Normal Fading Channel in Cognitive Radio Networks,	Journal of Advanced Research in



			Dynamical and Control Systems
50	Mrs. Renuka Sagar	Implementation of Machine Learning Algorithms for different datasets using Python programming language	IJSER
51	Mr. Vishnukanth Karwa	Texture Segmentation using multi resolution & Fuzzy Frame works	JETIR
52	Mr. Abdul Lateef Haroon P S	An Efficient Activity Detection System based on Skeleton Joints Identification	IJECE
53	Mr. Abdul Lateef Haroon P S	Insights on Research-based Approaches in Human Activity Recognition System	Communications on Applied Electronics (CAE)
54	Mr. Aswath Narayan	IOT Based Continuous Observing & Controlling Industrial Parameters	IJSART
55	Mr. Ambrayya	IOT Based Continuous Observing & Controlling Industrial Parameters	IJSART
56	Dr. V.C. Patil	A Novel Technique for Data Integrity Using Block Verification in Cloud Computing	Journal of Computational and Theoretical Nanoscience
57	Dr. V.C. Patil	Application-Energy Prioritized Routing Algorithm for Wireless MANETs and its Experimental Evaluation	IJEand Advanced Technology
58	Dr. V.C. Patil	Application-Prioritized Hierarchical Routing Protocol for Wireless Sensor Networks	IJEand Advanced Technology
59	Dr. Naseeruddin	Application-Energy Prioritized Routing Algorithm for Wireless MANETs and its Experimental Evaluation	IJEand Advanced Technology
60	Dr. Naseeruddin	Application-Prioritized Hierarchical Routing Protocol for Wireless Sensor Networks	IJEand Advanced Technology
61	Fareduddin J. S. Ahmed,	Power allocation optimization for fading channels in cognitive radio networks	International Journal of Advanced Computer Research
62	Abdul Khadar A	Security Concern To Simulate The Smartgrid	International Journal of Management, Technology And Engineering (IJMTE)
63	M K Vijay Kumar And C Somasankarappa	Coordinated V-f and P-Q Control of Solar Photovoltaic Generators with MPPT and Battery Storage in Micro grids	JETIR
64	Abdul Khadar A.	Real Time Smart Grid Load Management by Integrated and Secured Communication Simulation and Experimental Validation	IJRASET
65	Abdul Khadar A.	An Efficient Cryptography Key Management For Secure Communications In Smart Metering	IJITEE, Blue eyes intelligence engineering and sciences publication
66	Abdul Khadar A.	A Smart Grid-Based Cost Reduction of Electricity Consumption By optimal Technique	IJRAT

		With Integrated Consumer Automated Energy Management System	
67	Abdul Khadar A.	Electric Transfer Car	IJSART
68	Sharana Reddy and Banakara Basavaraja	Simulation and Experimental Analysis of Common Mode Voltage and Bearing Voltage in Multiple Motors Fed by Single PWM Inverter for Long Cable Applications	IJRTE
69	Dr. Yadavalli Basavaraj.	Defect reduction in a capacitor manufacturing process through six sigma concept: A case study	Management Science Letters
70	Dr. Umesh Daivagna Santosh V J, Suraj V Y	Review on Non Ferrous Materials for sliding contact bearing	IRJET
71	Lakshmi Kumari	Studies on Quality Practices in Small & Medium Scale Industries Using Statistical Tools	IJMETVolume 9, Issue 9, September 18
72	Dr. Raghavendra Joshi, Shiva Kumar S Y	Design & Finite Element Optimization of Testing Fixture for Engine Brake System	IJIM, Volume 05 Issue 12 Dec 18
73	Ganesh B	Single Plane Mass Balancing of Generator Rotor Contemplating Vibration Amplitude Responce	IJRSET, Volume 7, Issue 8, August 18
74	Mr. Santosh Diwatar	Fabrication & Prototyping of Portable Compost Machine	International Research Journal of Engineering Technology
75	Dr. Raju Jadar	Design & Fabrication of a Remote Controlled Hydraulic Jack	IRJET
76	Mrs. Lakshmi Kumari	Study of Properties of Banana Fiber Re-inforced with Jute Fiber	IRJET
77	Mr. Pavan B S	LPG Based Refrigeration System	IRJET
78	Mr. Vishnu Prasad	Production of Biodiesel Using Mustard oil & it's Performance Evaluation in CI Engine	IRJET
79	Dr. Ravi V	Studies on Al-7075 & Sic Metal Matrics Composites	IRJET
80	Dr. V V Ramana	Fabrication of Kinematic Walker	IRJET
81	Dr. Shivaraj A M	Finite Element Analysis on Stem Pipe Used in Deep Water Pipe Line Installation	IRJET
82	Mr. Santosh V Janamatti	Experimental Study on Mechanical Properties of Zn Metal Matrics with B4C Reinforcement	Journal of Applied Science & Computations
83	Mr. Raghavendra K	Gravity Powered Light	IJSART
84	Mr. Raghavendra Karnool, Rajashekar k	Studies on Wear and Bending Properties of AMMC's reinforced with bottom Ash	IJRASET
85	Mr. Shree Harsha B T	Fabrication of Air Brake System Engine Exhaust	IJTRE
86	Mr. Md. Fayaz K	Fabrication & Testing of Composite Materials using Natural Fibers	IJRSI
87	Mohammed Javed Kalburgi	Financial Literacy among college students: A Study of Ballari City	IJRAR
88	Janet Jyothi Dsouza	Empirical Study on Risk and Return Analysis of Mining Sector	IJMS
89	Soumya Shetty and Janet Jyothi Dsouza	A Study on Beta Stability in the Indian Stock Market	Asian Journal of Management
90	Rakesh M and Janet Jyothi Dsouza	Impact of Capital Structure on Profitability	Asian Journal of Management
91	Mohammed Farzana Begum	An Overview of Digital Financial Services in India: Concept, Initiatives and Advantages	The Asian Journal of Management

92	Mohammed Farzana Begum, Dr.Mohammed Javed Kalburgi	Financial Literacy among college students: A Study of Ballari City	International Journal of Research and Analytical Reviews
93	S. Renuka and Dr. G P Dinesh	New Trends in Banking and Insurance	Asian Journal of Management
94	Divya Bharathi & G.P.Dinesh	Indian women and their behaviour towards health and hygiene products	JETIR International journal
95	Divya Bharathi & G.P.Dinesh	Female consumers and their leisure spending in a digital world	SSRN - ELSEVIER Publication
96	Divya Bharathi & G.P.Dinesh	Women lifestyles and their buying behaviour in digitised economy	SSRN - ELSEVIER Publication
97	Prof. Divyashree N Dr. S. Jayanna	Factors Influencing Employee's Intention To Stay – A Study Of Some Select Firms In It Sector	JETIR Volume 6 Issue 5 May-2019
98	Devika Rani P.	Impact Of Bonus Issue On Stock Pricea Study With Reference To Some Select Stocks Listed At Bse	An International Open Access Journal, JETIR (JETIR)
99	Devika Rani P.	Dividend declaration and its impact on the stock return of some select firms of cement industry	Asian Journal of Management (indexed in Google scholar, ProQuest central, Indian Citation Index)

### Papers published in national/ international conference proceedings per teacher

Sl. No.	Name Of The Teacher	Title of the paper	National / International	Name of the publisher
1	Anil Kumar H M	A Study on using recycled tyre rubber as partial replacement of fine aggregate in concrete	International	SJCIT CHIKBALLAPUR
2	Anil Kumar H M	Strength characteristic of geopolymer concrete containing fibersand rubber for pavements	International	SJCIT CHIKBALLAPUR
3	G.P. Dinesh, Divya Bharati	Social media and women buying behaviour	-	-
4	Dr. V.C. Patil	Application Prioritized TEEN protocol for wireless sensor networks	International	IEEE Digital Library
5	Dr. U Eranna	Modelling Approach to Select Potential Joints for Enhanced Action Identification of Human	International	IEEE Digital Library
6	Dr. U Eranna	Design & Implementation of area efficient full adder using GDI technique	International	IEEE Digital Library
7	Dr. U Eranna	Insights of smart city and smart shopping techniques using IoT	International	GSSSIETW Mysusru
8	Dr. K.M. Sadyojatha	Internet of Things (IoT) as tool for secondary sector industrial supply chain	International	GSSSIETW Mysusru
9	Mr. Premachand D.R	Insights of smart city and smart shopping techniques using IoT	International	GSSSIETW Mysusru

10	Mr. Premachand D.R	Design & Implementation of area efficient full adder using GDI technique	International	IEEE Digital Library
11	Mr. Naseeruddin	Application Prioritized TEEN protocol for wireless sensor networks	International	IEEE Digital Library
12	Mr. Ulaganathan J	Insights of smart city and smart shopping techniques using IoT	International	GSSSIETW Mysusru
13	Mr. Ulaganathan J	Internet of Things (IoT) as tool for secondary sector industrial supply chain	International	GSSSIETW Mysusru
14	Mr. Ulaganathan J	Modelling of Self- diagnosis Predictive Maintenance System using Industrial Internet of Things	International	GSSSIETW Mysusru
15	Mr. Abdul Lateef Haroon	Insights of smart city and smart shopping techniques using IoT	International	GSSSIETW Mysusru
16	Mr. Abdul Lateef Haroon	Design & Implementation of area efficient full adder using GDI technique	International	IEEE Digital Library
17	Mr. Abdul Lateef Haroon	Health Analysis and Natural Language Understanding using Machine Learning Approach	International	GSSSIETW Mysusru
18	Mr. Abdul Lateef Haroon	Internet of Things (IoT) as tool for secondary sector industrial supply Chain	International	GSSSIETW Mysusru
19	Mr. Abdul Lateef Haroon	Modelling Approach to Select Potential Joints for Enhanced Action Identification of Human	International	IEEE Digital Library
20	Mr. Abdul Lateef Haroon	Modelling of Self-diagnosis Predictive Maintenance System using Industrial Internet of Things	International	GSSSIETW Mysusru
21	Mr. Raymond I	Internet of Things (IoT) as tool for secondary sector industrial supply chain	International	GSSSIETW Mysusru
22	Mr. Raymond I	Modelling of Self- diagnosis Predictive Maintenance System using Industrial Internet of Things	International	GSSSIETW Mysusru
23	Mrs. Swetha N	Health Analysis and Natural Language Understanding using Machine Learning Approach	International	GSSSIETW Mysusru
24	Dr U M Daivagna	Microstructure and Mechanical behaviour of Nano B-C reinforced Zinc -Tin alloy composites	International	New horizon college of Engineering, Bengaluru
25	Maharaja Gowda	Studies on Mechanical properties of bottom ash reinforced LM13 composite	International	Elsevier
26	Dr Raghavendra Joshi	Experimental Investigations on Al <sub>2</sub> O <sub>3</sub> & bottom ash reinforced with aluminium MMC for structural applications	International	Elsevier
27	Pavan Kumar B K	Effect on bearings in rotating components by vibration analysis; A case study in a steel plant	International	Springer
28	Dr Raghavendra Joshi	Studies on Mechanical properties of bottom ash reinforced LM13 composite	International	Elsevier

29	Dr Yadavalli Basavaraj	Effect on bearings in rotating components by vibration analysis; A case study in a steel plant	International	Springer
30	Raghavendra Setty G	Experimental Investigations on Al <sub>2</sub> O <sub>3</sub> & bottom ash reinforced with aluminium MMC for structural applications	International	Elsevier
31	Rajashekhara K	Studies on Mechanical properties of bottom ash reinforced LM13 composite	International	Elsevier
32	Sandeep M J	Effect on bearings in rotating components by vibration analysis; A case study in a steel plant	International	Springer
33	Santosh Janamatti	Microstructure and Mechanical behaviour of Nano B-C reinforced Zinc -Tin alloy composites	International	New horizon college of Engineering, Bengaluru

***Faculty provided with financial support to attend conferences/workshops and towards membership fee of professional bodies: 32***

***Professional development /administrative training programs organized by the institution for teaching and non-teaching staff: 04***

**No. of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.): 18**

## **Procedure for Infrastructure Management and Administration Process:**

The infrastructure management process can be divided into two sub-processes consisting to have processes for each activity.

- I. Infrastructure Maintenance
- II. General Administration

## **INFRASTRUCTURE MAINTENANCE**

### **PURPOSE**

- > To ensure availability of Electricity and Water in BITM campus.
- > To have a procedure for maintenance activities. Maintain Water and Electric equipment.
- > Ensure timely availability of Medical Facilities and First Aid Kit.
- > To maintain Hostel and Guest house facilities.
- > Fire Extinguishers, Theft, Insurance, etc.

### **PROCESS FLOW**

Input > Plan for Electrical, Water, STP & House keeping

Resources / enablers > Preventive maintenance activities and actions

Output > Availability of facilities



**PROCESS****Planning**

Head of Maintenance maintains List of Equipments - Water sources, Electrical distribution systems, Hospital tie ups and plans for the maintenance through internal or external agencies.

**Maintenance of Electricity**

- a) Uninterrupted electric supply is ensured through power house with feeders for institution and total BITM campus.
  - b) DG sets are of “Auto start” in nature, which run and shut down based
  - c) On the non-availability /resumption of KEB supply and it is connected to essential loads identified.
  - d) Computer labs are supported by UPS.
  - e) The power house is manned, round the clock on a shift basis. Procurement of diesel is on need based, based on an average consumption in the past.
  - f) Generator Maintenance Log book is maintained for the running and servicing of the generators.
  - g) Consumption of diesel per running hour is maintained in the logbook and same is monitored monthly.
  - h) Generators are operated as per manufacturers manual.
  - i) Stand-by powerhouse comes into operation under two conditions
- 1) Routine power shut downs: When shut down of power is known / intimated w.r.t time and duration, the generator is starts as soon as power fails to ensure uninterrupted or minimum break of power.
  - 2) Power breakdowns: When sudden break down of power occurs from KPTCL supply, the generator starts as soon as power fails to ensure uninterrupted or minimum break of power.

**Planned Maintenance:**

- a) An annual preventive maintenance record is drawn by the head of maintenance taking into the consideration the sub stations, various feeder units, electrical appliances and UPS in the Institute.
- b) These are maintained through service providers / appointed staff for maintenance and records of the same are maintained through the service reports provided.
- c) Waste management is to be organized, ensuring bins for various types of wastes and disposing them off periodically with the help of the city corporation.

**Breakdown Maintenance:**

- a) Breakdown maintenance is maintained for registering breakdown and complaints.

- b) Records/Documents/Files related to Electricity breakdown shall be maintained separately by Electrical Maintenance Department using the same form.
- c) Priorities are given based on the area of activity and importance.
- d) After attending to breakdowns the entries are closed with corrections and solutions provided and confirmations are recorded.
- e) Incident Reports giving details of occurred incidents and action taken for future use is maintained.

#### **Maintenance of Water Supply:**

- a) Water supply to the Campus is from Bore wells and open wells.
- b) List of Motors, are maintained by head of Maintenance with the Rating and SL No of the motors.
- c) The quality of Water is checked once in six months and records maintained in files.
- d) Water supply timings to the overhead tanks / buildings are pre-determined and followed.
- e) Spare pumps are maintained for critical lines in starve.
- f) Based on the plan maintenance is carried out on Pumps and bore wells and records are maintained.
- g) Cleaning of tanks and chlorination is done on need basis and the details are maintained.
- h) Maintenance of water supply to various points (Plumbing) is carried out by appointed staff and maintain the maintenance record, including the stock, used and remaining to maintain minimum stock level.

#### **Maintenance of Medical Facilities:**

- a) Maintain First aid kit made available in all floors/areas/departments in centralized and identified area.
- b) List of Medicines available in First aid kit with expiry date and other necessary details are maintained.
- c) Always display emergency numbers in every notice boards and update regularly if there are changes.
- d) Make avail of Ambulance/any vehicle in a campus for emergency and other situations.
- e) In house dispensary is maintained along with necessary equipment, a full time doctor along with a nurse for assistance.

#### **Maintenance of Buildings**

- a) Ensure that the Buildings, Guest House and Hostels premises are maintained clean, neat and hygienic.
- b) Ensure that they are periodically painted and washed, in case of any problems with buildings, are attended to promptly.
- c) Ensure that furniture & other accessories like Black Boards, White Boards etc., are periodically maintained, by polishing and repairing.

### Housekeeping

Housekeeping is managed through adequate controls and records as required for ensuring cleanliness. Records of housekeeping personnel are maintained by HR process.

### Reviewing the Plans

Monitor the policies and programmes for compliances and bring about corrective actions.

### Main Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement program	Date of Implementation	Name of Agencies or Consultants involved with Contact Details(If any)
Seven days certification course on Digital Marketing	09 May 2019	Prof. Bholanath Dutta, MTC Global
Health and Hygiene event on International Women's Day	08 March 2019	1) Dr. Medhini, Asst. Prof. of Consultant Physician at BMC Hospital. 2) Dr. Shilpa, Scientist, Ballari
Mobile Application Development Using Android Platform	05 March 2019	Dept. of CSE, BITM
Code Storm	02 March 2019	Dept. of CSE, BITM
Yoga for Happiness	24 February 2019	Dr. Rekha, Yoga specialist.
Infosys Campus Connect - Softskills	24 September 2018	Bizotic Talent Solutions
English Communication training via ELL Scholar Software in the Language Lab for the First year B.E students	14 August 2018	BITM FACULTY
Health Tips	08 August 2018	Dr. Sampath (Psychiatrist)/ Dr. Bharath/ Dr. Medhini
Wipro Mission 10X	01 August 2018	BITM Faculty

### Collaborative activities for research, faculty exchange, student exchange

Nature of Activity	Participant	Source of financial support	Duration
Publications	CSE 103	BITM R&D Fund	6months
	ECE 24	BITM R&D Fund	6months
	ME 12	BITM R&D Fund	6months
	MBA	BITM R&D Fund	6months
Wipro Technology learning centre inter disciplinary projects	30	BITM	12 months
Student Exchange	1	BITM	3 months
Faculty Exchange	5	BITM	2 Days
E Yantra Lab	15	BITM	4 months

**Linkages with institutions/industries for internship:**

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From-to	Participant
Internship	Industry	PWD, BALLARI	07.07.2018 to 07.08.2018	24
Internship	Industry	Nirmithi Kendra	11.07.2018 to 10.08.2018	24
Internship	Industry	NMDC	11.07.2018 to 09.08.2018	24
Skill Development	Training	SIR MV Skills	01.01.2019 to 31.05.2019	68
Internship	Training	J Q spiders	10.01.2019 to 09.02.2019	18
Internship	Training	Dlithe	10.01.2019 to 09.02.2019	18
Internship	Training	Tech Fortune	10.01.2019 to 09.02.2019	13
Internship	Training	Pragmatic Embed Solutions	10.01.2019 to 09.02.2019	07
Internship	Training	Aarika Info Systems Private Ltd.	10.01.2019 to 09.02.2019	07
Internship	Training	GVS India Private Ltd.	10.01.2019 to 09.02.2019	22
Internship	Training	RCAS Software solutions	10.01.2019 to 09.02.2019	02
Internship	Training	Celstial V solutions	10.01.2019 to 09.02.2019	09
Internship	Training	Techciti Technologies Limited	10.01.2019 to 09.02.2019	02
Internship	Training	Mitras IT solutions	10.01.2019 to 09.02.2019	02
Internship	Training	CIP Software Technology	10.01.2019 to 09.02.2019	01
Internship	Training	Raylog Private Limited	10.01.2019 to 09.02.2019	02
Internship	Training	Edge Technology	10.01.2019 to 09.02.2019	01

**MoUs:**

Organisation	Date of MoU's signed	Purpose and Activities	Number of students / teachers participated under MoU's
SIR MV Skills	12.12.2018	Training and Placement	68
Renewal of Infosys Campus Connect	25.10.2018	To impart Technical and soft skill training to students.	Foundation Program 5.0 Python <b>93</b> Participants Soft skill Program 523 Participants <b>Total : 616</b>

**Scholarships and Awards**

Deserving students of BITM get the benefit of scholarships and awards, based on their performance. They can even apply for fee concession on a prescribed form.

**Scholarships and Financial Support**

	Name / Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Fee Concession and Economical Scholarship	<b>226</b>	23,72,600
<b>Financial support from other sources</b>			
a National	Govt. of Karnataka OBC, SC, ST Scholarships	<b>2083</b>	5,45,91,435
b International			

Students benefited by guidance for competitive examinations and career counselling offered by the institution.

Details of career counselling	Number of students attended / participated	Number of students placed through campus placement
Awareness session on IT Industry Expectations from a fresher perspective	328	292
Career Opportunities for Indian Professionals in Japan.	287	
Career Guidance on Overseas Education.	398	
Awareness session on Data Analytics.	213	
Higher Studies and foreign Languages.	350	
Expectation of Industry on a graduate and Current Trends in IT Software.	468	
Career Counselling Session on Preplacement Preparation and Placement Opportunities.	596	
Career Guidance Session	116	
Career Guidance Session on Goal Settings How to achieve your career Goals.	100	
Self-Discipline, Mind Control, Time Management, Goal Settings, Leadership Qualities and Event Management Skills.	101	
Universal Human Values.	106	
Oral and Written communication Skills.	102	
Personal Health and Hygiene.	191	
Overcoming Failures and Mental Health.		

### **Activity of Student CRs:**

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 1<sup>st</sup> 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.

Students part of IQAC, Cultural Committee and Hostel Committee.



## Training, Placement, Higher Education & Competitive Examinations:

Institution has successfully placed **292** students for the current academic year in top rated companies. This placement is the highest in the Hyderabad Karnataka Region.

The institution promotes and encourage the students to pursue higher education in India and abroad for the current academic year **16** students opted for higher education through PG-CET, GATE, GRE and IELTS.

Competitive exams: The institution provides competitive exams training for the students aspiring for central and state government jobs. **18** students have successfully cleared the competitive exams.

### Sports and cultural activities / competitions

#### Sports Activities

\* A modern Sports Complex at the college to enable students participate in Sports & Games of their choice and to encourage the students to participate in different Youth Festivals, University Level, State Level tournaments, etc.

BITM not only holds itself as a centre for learning. But also encourages recreation as a part of the overall wellbeing of its students. A playing field adorns the BITM campus where sports such as Football, Cricket, Volleyball, Tennis and Basketball are given prime importance, for the students to take part in inter-collegiate and VTU tournaments, which are also organized. BITM also has a well-equipped gym, which opens at 6.00 am for the health conscious early birds.

#### Sports activities / competitions:

Date of Event	Name of the event/activity	No. of Participants
28.08.2018	1. BADMINTON (WOMEN), GNDCE-BIDAR	5
	2. BADMINTON (MEN), GNDCE-BIDAR	4
04.09.2018	3. TABLE-TENNIS (WOMEN)	4
	4. TABLE-TENNIS (MEN)	5
09.09.2018	5. BASKET-BALL (M)	10
10.10.2018	6. THROW BALL (Women), PDIT –HOSPETE	12
29.11.2018	7. ATHLETIC MEET, CHICKBALLAPURA- HAMMER THROW	13
01.04.2019	8. VOLLEY BALL (Men) Intra Mural Sports Meet	73
02.04.2019	9. FOOT BALL MEN Intra Mural Sports Meet	23
03.04.2019	10. CHESS (Men) Intra Mural Sports Meet	7
	11. BASKET BALL Women Intra Mural Sports Meet	40
04.04.2019	12. BASKET BALL Men Intra Mural Sports Meet	31
	13. TABLE-TENNIS (Women's) Intra Mural Sports Meet	4
	14. TABLE-TENNIS (Men) Intra Mural Sports Meet	5
05.04.2019	15. THROW BALL Women's Intra Mural Sports Meet	28
18/08/2018	<b>2018-19 - Cultural -I. Fine Arts Day</b>	
	1. Best out of scrap	62
	2. Collage	30
	3. Rangoli	61

	4. Face Painting	15
	5. Mehandi	45
	6. Model Making	15
<b>29/09/2018</b>	<b>II. Literary Day</b>	
	7. Debate	22
	8. Elocution	25
	9. Coding & Debugging	104
	10. General Quiz	35
<b>02-11-2018</b>	<b>3. VTU-YOUTH FEST-JANANI-2018</b>	
	11. Dance	10
	12. One act play	9
	13. Skit	6
	14. Mime	6
	15. Quiz	3
	16. Singing	2
	17. Debate	2
<b>03-11-2018</b>	18. Poster making	1
	19. Elocution	1
	20. Clay Modelling	1
	21. Rangoli	1
	22. Photography	1
	23. Painting	1
	4. Theatrical Day	1
<b>17/03/2019</b>	24. Dance	25
	25. Mime	4
	26. Skit & Drama	4
	IV. Audio-Visual Day	
<b>23/03/2019</b>	27. Dubsmash	13
	V. Explorika 2K19	
<b>12-04-2019</b>	28. Paper presentation	101
	29. Best out of scrap	62
	30. Coding & debugging	104
	31. Collage	60
	32. Debate	22
	33. Dubsmash	14
	34. Elocution	24
	35. Face painting	27
	36. Mehandi	91
	37. Model making	54
<b>13-04-2019</b>	38. Rangoli	223
	39. Skit & Drama	18
	40. Dance	84
	41. Cook witout fire	199
	42. Mime	27
	43. Pot Painting	5
	44. Photography	7
	45. Painting	30
	46. Short movie making	5
	47. Singing	39
	48. General Quiz	80
	49. Treasure Hunt	80

***BITM Alumni Association***  
***BITM Alumni Association Registered***

*BITM Alumni Association is a Registered under the Karnataka Societies Registration Act 21 of 1960, under Registration No. BLY S287/2015-16, Dated 14.12.2015 and its office is located at BITM Campus.*

***The Aims and Objectives***

- A. To provide a forum for the old students of the College to meet and discuss the matters of common interest.*
- B. To promote the interests of the College and its past and present students.*
- C. To promote goodwill and mutual assistance among the members.*
- D. To contribute to the cause of technical education by sharing the experience of those in the field.*
- E. To help the authorities to improve the academic and cultural activities of the college.*
- F. To co-operate with the students in literary, cultural and sports activities of the college.*
- G. To help the members in employment and service matters without interfering in the policies of their employers.*
- H. To arrange and conduct Programmes of general and technical nature.*
- I. To co- operate with other such bodies for the same ends.*
- J. To promote other matters beneficial to prospects of the association.*
- K. To extend financial help to economically backward and deserving students in form of scholarship for UG and PG of the institution.*
- L. Any other activities that the general body may decide from time to time.*

**In this academic year 2046** alumni students were enrolled.

**Meetings / Activities organized by Alumni Association: 03**

***Alumni Meet***





*BRICS Inauguration*



*Graduation Day 2019*









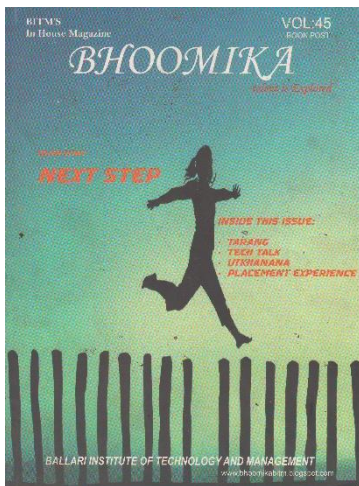
## **CENTRAL LIBRARY (KNOWLEDGE CENTRE)**

*The Central Library is one of the central pillars of the institute it is also known as Knowledge Centre. The library is housed in the cellar of the admin block, it is the life line of academic activities of the Institute. The library stretches over an area of 1100.96 Sq. mts. with a seating space of about 500 members. Library is kept Open from 09 A.M to 10 PM on all working days, in Vacations from 09 am to 5:30 pm.*

- *The library has a collection of 92,727 **volumes** of Books with 9,504 **Titles** on Engineering, Management and Humanities. Library subscribed to **Print Journals** and **packages of e-journals** through VTU Consortium are subscribed. Library collection as per AICTE norms.*
- *Availability of special Collection of Books like Dictionaries, Hand Books, Encyclopaedia, and for competitive exams GATE, GRE, TOFEL etc.*
- *Old Question papers are maintained for reference for Staff and Students.*
- *Library is fully atomized with Easylib software and collections are Barcoded. All library transaction are through software.*
- *The library follows OPEN access systems where students can choose their Book. It facilitates the users to browse and pick up the documents of their choice without any hindrance.*
- *E-Journals: IEEE-IEL, Taylor & Francis, ASCE, ASME, ProQuest, Knimbus-Digital Library, Knimbus-Remote access, Kopykitb, Sententia and Springer. Library facilitates Training / Awareness about and access to e-journals by experts. All the e-resources are multiuser based on IP addresses of the Institute.*
- *E-books: Springer and Taylor & Francis total collection of books e-books would be downloaded from internet through dedicated Central Computing Centre.*
- *Digital library upgraded with data of VTU & NPTEL Video lectures, and PDF from VTU E-learning, Mysuru.*
- *Library has 24x7 Security systems with closed Circuit Television System (CCTV).*

### **Facilities at BITM**

- \* *943 Nos. Computers have been provided in all the Depts./ Labs with LAN System. 180 MBPS Leased line Internet with Wi-Fi facilities to all the staff & students.*
- \* *Parent Interaction Cell, which provides the information about the performance of their ward on regular basis. Regular meeting with Parents are conducted by all the departments.*
- \* *Transport facility, which provides with fleet 15 College Buses.*
- \* *ISTE Chapter for Staff & Students, Seminar Hall with audio visual aids and VTU EDUSAT Program.*
- \* *Staff Development Programs and Personal Development & Career Guidance Programs for the students by inviting the experts as Resource Persons in the relevant field.*
- \* *The Training & Placement Cell endeavors to arrange Industry – Institution Interaction. Various industries have conducted campus interviews and selected many students. like; Infosys Ltd., HCL, L&T, JSW, etc.*
- \* *NSS Unit & Cultural activities organized by the College & University.*
- \* *Separate hostels for Boys & Girls.*



- \* Medical Centre with Ambulance facility.
- \* Canteen: The Canteen in the campus serves hygienic food and is open on all working days.
- \* Transportation: With a fleet of 17 buses, BITM offers convenient transport facilities for students to avail.

**"Bhoomika" Quarterly Magazine is published by the students depicting their creativity and achievements.**

### Faculty Empowerment Strategies

Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided
Mrs. Swetha N.	IEEE ICEECCOT 18	IEEE
Mr. Abdul Lateef	IEEE ICEECCOT 18	IEEE
Mr. Raymond I	IEEE ICEECCOT 18	IEEE
Mr. Ulaganathan J	IEEE ICEECCOT 18	IEEE
Dinesh K	One Day International Conference on "Advance and Innovative Practices in Commerce and Management, Science and Technology, Humanities, Languages and their Role in Achieving the exponential growth".	Shri Venkatesh Maha Vidyalaya, Ichalkaranji Kolhapur. Maharashtra
Sushma B	Workshop on next generation energy storage materials: challenges and opportunities	Dayananda sagar university Bangalore
Sharan kumar T M	Hands on training: new generation materials for energy storage devices (NGMSED-2018)	East West institute of technology Bangalore
Mr.Sagar.N.S	National seminar Role of enterprise portfolio project management in Civil Engg	VDIT Hliyal
Mr.VinayKumar Hunagund	Workshop on Advances in soil dynamics & Earthquake	SECAB Institute of Technology, Vijayapur
Mr. Ravichandra.H	Workshop on Advances in soil dynamics & Earthquake	SECAB Institute of Technology, Vijayapur
Dr. Aradhana D	AISYWC-18 in collaboration with IEEE Bangalore	Vidya Vikas Institute of Technology, Mysore
Mr. Hemantha Kumar R	Five Days National level workshop on DSP Image processing using machine learning	JNNCE Shimoga
Mr. Naseeruddin	IEEE ICEECCOT-18 IEEE Conference	GSSS IETW Mysore

<b>Dinesh K</b>	Workshop on "Applied Econometrics for Business & Finance", 22nd & 23rd February 2019	School of Management, Presidency University Bangalore
<b>Dinesh K</b>	A two day national level Seminar on Industry 4.0 ;Ecological, ethical ,social and Cultural Concerns 15 <sup>th</sup> & 16 <sup>th</sup> February 2019	Poona Institute of Management Science & Entrepreneurship, Pune
<b>Dinesh K</b>	International Conference on New Trends in Commerce, Economics ,Banking, Cooperation, Management, Computer Science ,IT & Environment, Dated 8th and 9th February 2019	Poona College of Arts ,Science & Commerce, Pune
<b>Divya bharathi</b>	International conference on research trends in engineering, applied science and management	Osmania university campus, Hyderabad
<b>Divya bharathi</b>	Conference on "Sustainable practices of managing people through innovation and technology in agile organizations"	IILM University Gurugram
<b>RAVIKUMAR J S</b>	Workshop on "Experiential Workshop on Research Methodology"	St.Joseph's College of Commerce-Bengaluru.
<b>Renuka S</b>	International Conference on Research In Business Management And Information Technology organized by RNSIT, Bengaluru	RNSIT, Bengaluru
<b>Mr. Manjunatha.T.H</b>	First International conference on Emerging trends in Mechanical Engineering 2018	Srinivasa Ramanajan institute of Technology Ananthapuramu
<b>Mr. Pavan Kumar B. K</b>	First International conference on Emerging trends in Mechanical Engineering 2018	Srinivasa Ramanajan institute of Technology Ananthapuramu
<b>Mr.Raghavendra Setty</b>	Sixth International Conference on Recent Advances in Composite Materials ICRACM 2019	IIT Varanasi Uttarpradesh
<b>Mr.SUNIL KUMAR A</b>	INTERNATIONAL CONFERENCE "Material and technologies for energy conversion and storage"	BARC, Mumbai
<b>Mr.SUNIL KUMAR A</b>	5 <sup>th</sup> International Conference On "Nanoscience And Nanotechnology"	SRMIT, Kattankulathur
<b>Dr. VIJAY KUMAR B</b>	The Indian Science Congress Association (Membership)	LPU, Jalandhar
<b>Raghavendra Setty</b>	Introduction to linear finite element analysis	IIOS Bangalore
<b>Raghavendra Setty</b>	Applied impact mechanics	IIT MADRAS
<b>Taranath</b>	Three Days Hands on Workshop on latex: For beginners and Advanced Users	BITM, Bellary

<b>Dr. Raghvendra Joshi</b>	International Conference on Innovative Scientific Research	University Technology, MARA, Koulalumpur Malyasia
<b>Mr.Tanu</b>	Effective teaching, reserch & construction practices in civil engineering FDP VISTARA at Puttur-2018	Vivekananda College of Engg. Puttur
<b>Divya Bharathi</b>	International conference on advancement in engineering, applied science and management	punjab university campus, Chandigarh

**No. of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**

<b>Name of teacher who attended</b>	<b>Title of the program</b>	<b>Duration (from – to) (DD-MM-YYYY)</b>
SUMALATHA	Short term course on Hardware Modelling using Verilog	23-08-2018 to 14-10-2019
RANJIT PYATI	Short term course on Discrete Time Signal Processing	01-08-2018 to 31-09-2019
SIMANTHINI ROY CHOUDHURY	Short term course on Linear Circuits 1 DC ANALYSIS	20-08-2018 to 24-09-2018
SANTOSH B M	Refresher Course on Recent Advances in Smart Grid Technology	21-01-2019 to 26-01-2019
SHARAN REDDY	Refresher Course on Recent Advances in Smart Grid Technology	21-01-2019 to 26-01-2019
CHANDAN K R	Short term course on Effective Engineering Teaching Practice	01-01-2019 to 28-02-2019
PREMACHAND D R	Short term course on Teaching And Learning In Engineering	14-02-2019 to 14-03-2019
MALIKARJUNA A	Short term course on Teaching And Learning In Engineering	14-02-2019 to 14-03-2019
MANJUNATH G	Short term course on Teaching And Learning In Engineering	14-02-2019 to 14-03-2019
PRABHAKAR K	Short term course on Teaching And Learning In Engineering	14-02-2019 to 14-03-2019
RANJIT PYATI	Short term course on Teaching And Learning In Engineering	14-02-2019 to 14-03-2019
SRIKANTHA K M	Short term course on Teaching And Learning In Engineering	14-02-2019 to 14-03-2019
VISHNU KANTH KARWA	Short term course on Teaching And Learning In Engineering	14-02-2019 to 14-03-2019
GAVISIDDESHA P	Refresher programme on Recent advances in IC Engneers-Research & issues	23-07-2018 to 28-07-2018
VINAY KUMAR HUNAGUND	Workshop on Advances in Soil dynamics & earthquack Engg" @ SECAB Vijaypur	21-02-2019 to 26-02-2019
SHIVAKUMAR K	Workshop on Advances in Soil dynamics & earthquack Engg" @ SECAB Vijaypur	21-02-2019 to 26-02-2019
KAVITHA C A	Course on e-Learning Entrepreneurship Development Programme”	02-03-2019 to 16-03-2019

RAVI KUMARV JS	Seven Day National Workshop on “Experiential Workshop on Research Methodology”	03-12-2018 to 09-12-2018
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## Quality Initiatives undertaken

Quality initiative	Name of the programs
Conferences, Seminars, Workshops on quality conducted	<ol style="list-style-type: none"> <li>1. Latex for beginners and advanced users.</li> <li>2. Awareness program on a guidelines to crack GATE 2019</li> <li>3. One day industrial visit for mechanical students to KPCL, Kuditini</li> <li>4. Career guidance program by Mr. Shaik Mohammed Shahid, Sr. Technical Specialist from HCL technologies, Bengaluru talk on Machine learning</li> <li>5. Project exhibition for Mechanical Students by dept. of mechanical</li> </ol>
Academic Administrative Audit (AAA) and initiation of follow up action	One Academic Administrative Audit was carried out successful and all the NCs were closed.
Participation in NIRF along with Status.	Institution participated in the NIRF for Engineering, Management and Overall ranking. The shortcomings were noted.
ISO Certification. and nature and validity period	2 ISO audits were successfully carried out. 28/11/2018 and 21/05/2019 with 18 internal auditors.
NBA or any other certification received with program specifications.	CSE, ECE and Mechanical Engg., programs were accredited for 3 years w.e.f. 01.07.2019 to 30.06.2022.
Collaborative quality initiatives with other institution(s) (Provide name of the institution and activity)	<ol style="list-style-type: none"> <li>1. DHAKA UNIVERSITY (Webinar &amp; Research Collaboration)</li> <li>2. MTC GLOBAL Certification course on Digital Marketing</li> <li>3. AUTOMATION ANYWHERE UNIVERSITY ROBOTIC PROCESS AUTOMATION TRAINING &amp; CERTIFICATION OF FACULTY &amp; STUDENTS</li> </ol>
Orientation programme on quality issues for teachers and students organised by the institution, Date (From-To) (DD-MM-YYYY)	<ol style="list-style-type: none"> <li>1. Governance and leadership (17/06/2019 to 17/06/2019)</li> <li>2. Internal auditors training ISO (2/11/2018 to 05/11/2018)</li> </ol>

## Best Practices

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**

## Institutional Distinctiveness

### ACCREDITATION

An ISO 9001 2015 Certified Institution by Intertek

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



NBA Accredited for CSE, ECE and ME from 01st July 2019 to 30th June 2022

**Ratings and Rankings**

BITM is Rated AAA by Careers360 Magazine India s Best Engg College for 2016 Issue.

BITM Is Rated \*\*\*\* by Career Connect Magazine April 2016 Issue.

MBA Dept. is Ranked 41st Best B School Higher Education Review Magazine Beyond IIM s 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 Investment ROI 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 India s 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.

\*\* \*\* \*

### **Decentralization in Working:**

The Institute functions with decentralize administration that has complete transparency in the decision making process. The Governing council / body has clearly delegated the powers to the Principal with respect to institutional development, academics, curricular, co-curricular & extracurricular activities. The Principal in-line with the Vision and Mission has dedicated powers to the HOD's and concerned office staff. The head of the department along with the principal meet very frequently to discuss academic and administrative matters and take appropriate decisions. The principal, Vice-Principal and HOD's are delegated with adequate powers for the overall development of the institution. The same is evidenced in the organization chart.

The principal & HOD's have constituted 29 committees in consultation with Management for smooth functioning of the institute. Each committee consists of members from all the departments, who meet frequently to carryout the duties as per the functions and responsibilities of the committee. The coordinator of the committee briefs the Principal and HOD's on important decisions for the growth of the institution.

### **Participative Management:**

The Institution has participative management at all levels. The management takes the important decision based on the input from the Principal, Vice Principal, HOD's and committees' coordinators. Principal discusses important issues with the HOD's and the same is appraised to the management. All the academic and administrative issues like, Budget, Recruitment, Purchases, Admissions, Promotions, Conferences, Training & Placement, variation in intake are discussed transparently and appropriate decisions are taken for implementation.

**TOWN HALL MEETINGS:** Town hall meetings is one of the case study to illustrate the decentralization and participative management.

Beginning of each academic year / semester Management conducts meeting with all the teaching and non-teaching staff in the institution auditorium. The objective of the town hall meeting is to reflect back the previous academic year achievements and scope of improvements. The present status stock is taken and deliberated on strategies, requirements, scope and opportunities and create a road map to achieve the vision of the institute. All the members are given opportunity to express their views & suggestions concerning the institute.

As on today 6 town hall meetings are held in the last five years and most of the decisions taken during the meeting have been implemented successfully after consulting faculty, students, industry, alumni and parents. Some of the important accomplishments in last five year are:

- > NBA Re-Accreditation for CSE, ECE and ME.
- > Setting up of Incubation Centre.
- > State of the art New Electrical Block, Laboratories, Research Centres.
- > Collaboration / MoU with IBM, Harita TechServ., NI-Lab View & etc.
- > Improvement in Teaching Learning process.
- > Placement improvement through Career Guidance and effective training plan.
- > Implementation of proctoring system followed by Real-time Attendance intimation system (SMS based).
- > Implementation of Rooftop Solar Power.
- > Town Hall Meetings.

### ***The Institution Has Effective Welfare Measures for Teaching And Non-Teaching Staff***

- > Employee's Provident Fund
- > Accident Insurance
- > ESIC
- > Gratuity

- |                         |                          |
|-------------------------|--------------------------|
| > Obituary Contingency  | > Maternity Leave        |
| > Fee Concession        | > Promotions             |
| > Uniform Facility      | > Publication Incentives |
| > Medical Facility      | > Ph.D. Contingency      |
| > Salary Advance Amount | > Staff Association      |
| > Career Growth         | > Bank & ATM Facility    |

### ***Internal Quality Assurance Cell (IQAC)***

The IQAC of the institution was constituted which consists of 25-member committee, principal as a chairman and representatives from staff and students. The Academic Audit of the Departments is conducted by Internal Quality Assurance Cell (IQAC) and its objective is to improve and sustain the academic and administrative performance of the Institution. Academic Audit is conducted by IQAC once in a semester. IQAC will be evaluating the Departments on the following Criteria.

- 1. IMPLEMENTATION OF OBE AND OBTAINING NBA**
- 2. ESTABLISHMENT OF STARTUP & INCUBATION CENTRE (BRICS)**

The institution has an IQAC cell which assess the teaching and learning process in the institute and recommend the steps to be taken for improvements.

1. Technology Learning Centre Labs (MTLC, E-Yantra Robotics lab,):
2. E-Yantra
3. Course Enrichment activities and student publication:

- <https://www.bitm.edu.in/governing-council-members>
- <https://www.bitm.edu.in/industry-advisory-board>
- <https://www.bitm.edu.in/internal-quality-assurance-cell>
- <https://www.bitm.edu.in/finance-committee>
- <https://www.bitm.edu.in/budget-committee>
- <https://www.bitm.edu.in/planning-monitoring-purchase-committee>
- <https://www.bitm.edu.in/building-maintenance-electrical-maintenance-committee>
- <https://www.bitm.edu.in/it-cell-committee>
- <https://www.bitm.edu.in/recruitment-committee-board-of-appointments>
- <https://www.bitm.edu.in/entrepreneurship-development-cell-committee>
- <https://www.bitm.edu.in/consultancy>
- <https://www.bitm.edu.in/counseling-proctoring-committee>
- <https://www.bitm.edu.in/examination-cell>
- <https://www.bitm.edu.in/nba-committee>
- <https://www.bitm.edu.in/parent-interaction-cell>
- <https://www.bitm.edu.in/research-development-committee>
- <https://www.bitm.edu.in/cultural-committee>
- <https://www.bitm.edu.in/anti-ragging-cell>
- <https://www.bitm.edu.in/map>
- <https://www.bitm.edu.in/sc-st-grievance-cell>

## ***Extension and OUTREACH PROGRAMMES conducted and Awards and recognition received for extension activities from Government and other recognized bodies***

### **Independence Day (15-08-2018)**

The institution celebrated 72<sup>th</sup> Independence day. Prof. Prithviraj Y. J. - Management, Principal Dr. V. C. Patil, Staff & Students along with NSS Volunteers of the institution participated in flag hoisting. Ms. Sneha & Ms. Devika S., students from CSE-Department spoke about the sacrifices made by our freedom fighters especially about Moulana Abul Kalam Azad and Chandra Sekhar Azad. Mr. A. Bharath gave a wonderful speech with respect to the freedom movement and highlighted patriotism shown by our freedom fighters also contribution made by Sarojini Naidu was highlighted.

### **Teacher's Day (05.09.2018)**

Dr. B. S. Khened, HOD-EEE spoke about Dr. Sarvepalli Radhakrishnan and the importance of being a good teacher by mentioning the qualities of a great teacher on the occasion of teacher's day. Dr. Khened highlighted the need for change among the faculty to adopt to new teaching methodologies. Students from all the departments took the lead in organizing the teacher's day on 05<sup>th</sup> September 2018 by organising fun filled games.

### **Engineer's Day (15.09.2018)**

Mechanical Engineering department organised Engineer's Day in behalf of all departments at the auditorium. Dr. Janaki Ram, Ph.D., from IISC was honoured by Director Dr. Yashvanth Bhupal. Dr. Raghavendra Joshi from ME Department spoke about the contributions made by Sir. M. Visweswaraiiah. Ultra Tech Cement also organised a quiz competition on Concrete Technology for the Civil Students.

### **Ozone Day (17.09.2018)**

Students formed Ozone shaped human chain to emphasize the importance of Ozone Layer. NSS Volunteers namely Mr. Goutham Chowdary from Civil-Department and his team organised awareness program on the importance of Ozone.

### **Gandhi Jayanthi (02.10.2018)**

The students highlighted about the importance of Cleanliness. Swachh Bharath Program was organised on the occasion of Gandhi Jayanthi at BITM campus and near the Alipur village. Students namely Mr. Pavan Kumar Y. & Mr. V. Sai Sabareesh of ME Department along with staff and NSS Unit spoke on the contributions made by Mahatma Gandhi and Lal Bahadur Shastri w.r.t. importance of peace, non-violence and hygiene.

### **Karnataka Rajyothsava Day (01.11.2018)**

Nade Geethe was sung by all the participants. Student namely Mr. Pradeep & Mr. Nithin T from CSE – Department with staff namely Dr. K. S. R. Sridhar, HOD-Maths Department recollected the importance of celebration Karnataka Rajyothsava. Students and staff spoke about importance of Kannada and the famous personalities such as Vinayak Krishna Gokak and DVG for his contributions in the area of Kannada Literature.

**World Aids Day (01.12.2018)**

Faculty members wore the Red Ribbon on occasion of World Aids Day. NSS Unit gave the awareness to the construction workers working at the institution.

**National Youth Day (12.01.2019)**

Student namely Mr. Pavan Kumar E. & Mr. Bhima Shankar spoke on the Role of Youth for the Nation Development. Students recollected the message put forth by Swami Vivekananda and highlighted the responsibilities of youth.

**Republic Day (26.01.2019)**

Dr. V. Ravi, Professor from ME-Department recollected importance of protecting the constitution and contribution made by Dr. B. R. Ambedkar in framing the constitution. NSS Students, Staff and Management Prof. Prithviraj Y. J. hoisted the National Flag along with the National Anthem. Sweets were distributed. Students mentioned directive principles of the constitution.

**International Women's Day (08.03.2019)**

Dr. Manjula of ECE Department, invited Dr. Anandi Behan from IISC and gave a talk on "Artificial Intelligence & Machine Learning" to the girl students of BITM at the Auditorium. Sweets were given to all the female staff and the students. Management acknowledge the contribution made by women faculty members.

**World No Tobacco Day (31.05.2019)**

NSS volunteer namely Mr. Nithin & Mr. Baba Fakruddin from ME-Department took the lead role to explain the harmful effects of on Chewing Tobacco at the Allipura Village. Rally was organised at the Allipura Village along with the village authorities. And also informed the shopkeepers near the campus, not to sell the tobacco items.

**World Environment Day (05.06.2019)**

World Environment day was organised by Civil Department in the BITM campus along with Students and staff. Tree plantation program was carried out at STP Plant behind the campus. Principal distributed Tree saplings to the NSS Students and explained the working principle of Solar Energy, Wheeling of the Grid, maintenance & Synchronisation.

**International Yoga Day (21.06.2019)**

International Yoga Day was organised in BITM campus near the Open Air Theatre. Students from Boy's and Girls Hostel participated in the event. Ms. Snehaja & Ms. Aruna from CSE & ECE Departments demonstrated to all the students about Basics of Yoga and Pranayama.

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EXPLORIKA 2019



**BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**  
**EXPLORIKA 2K19**  
*Track your Talents !!!*

**GENERAL QUIZ**

Co-Ordinators  
Dr. Pralahad M (MATHS) - 9986975651  
Prof. Vinay Kumar (ECE) - 7795078580  
Prof. Bhimanna A (CSE) - 9632748349  
Prof. Vijaya Krishna M (EEE) - 7204357511  
Prof. Mayur Pawar (ME) - 9972583160  
Prof. Farzana Begum (MBA) - 8150836822  
Prof. Girish Y (CIVIL) - 7795777303

Registration App  
Explorika 2k19

Last Date for Registration : 7th April 2019







Principal,  
Battal Institute of Technology & Management,  
BELLARY.