



Basavarajeswari Group of Institutions



BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(A Unit of T.E.H.R.D. Trust ®) (Certified by ISO 9001:2008)

(Recognised by Govt. of Karnataka, Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)

***"Jnana Gangotri" Campus, #873/2, Ballari-Hosapete Road,
Near Allipura, Ballari-583104 (Karnataka)***



***ANNUAL REPORT
FOR THE YEAR 2014-15***

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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. Yashvanth 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. Yashvanth 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. 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



*BPSC Kids Academy, Ballari
Play School to UKG
Basavarajeswari Public School &
College, Ballari (Estd. 2006)
ICSE 1st- 10th 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)*



*BPSC 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, BALLARI

Preface:

It is indeed a great pleasure to present annual report of Ballari Institute of Technology & Management, Ballari for the year 2014-15.

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 like; **Infosys Ltd, L&T Technology Services, Tech Mahindra, Mphasis, Aricent, IBM, Mind Tree, Tech Mahindra-IMS, JSW Steels, Torry Harries, etc.,** 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.*

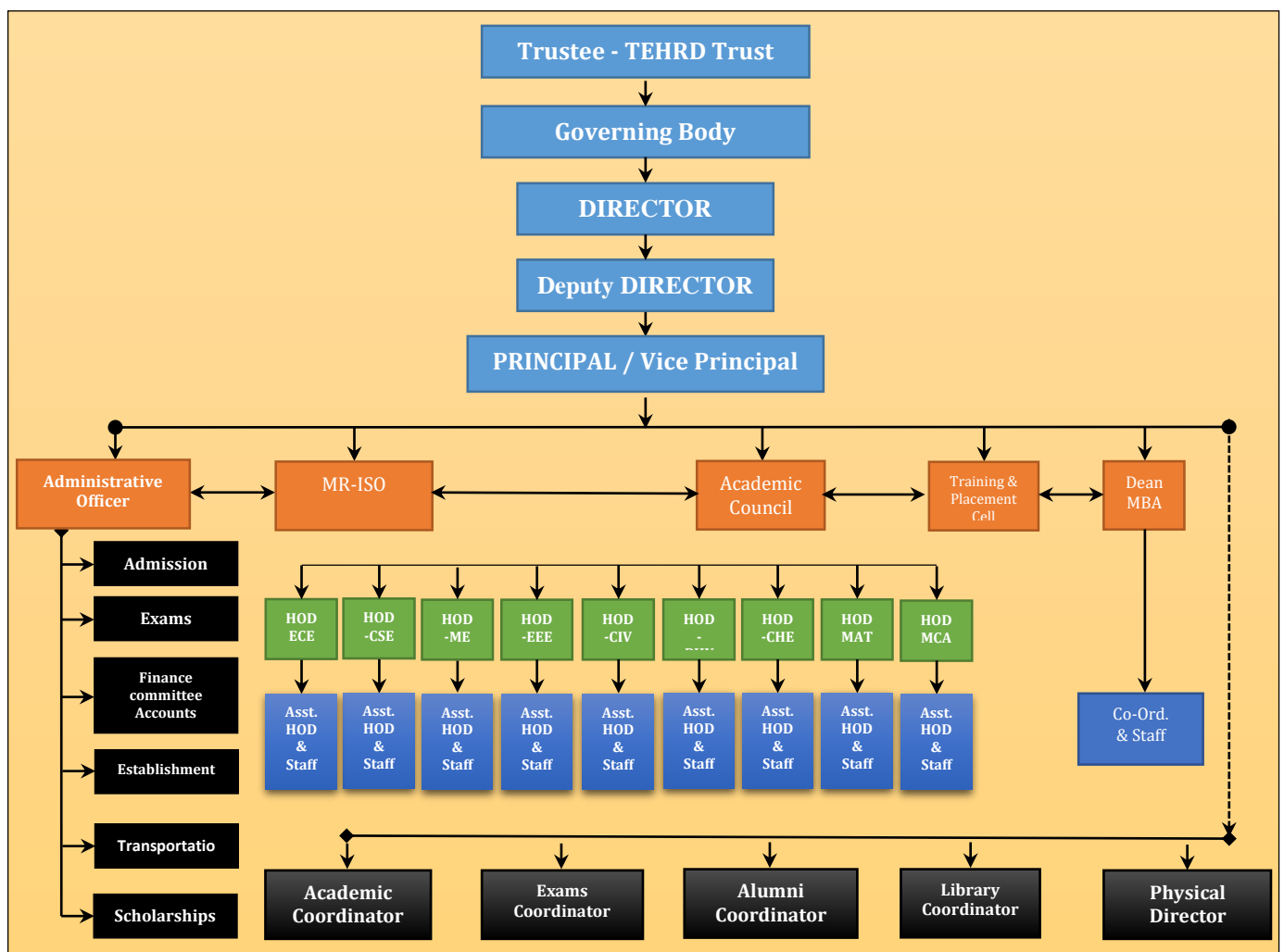
*BITM is the brain-child of its Founder-Director and present Chairman, Dr. Yashvanth Bhupal, B.E. M.S, Ph.D. Besides being highly qualified, he is also a dynamic visionary who has largely, if not singularly, been responsible for the phenomenal growth of the institute. He is a social entrepreneur in the 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 **6,500+** students, from Kindergarten to Post-Graduation levels and provides employment to over **750** motivated personnel.*

Governing Body Members

SN	Nominated Position in Governing Council	Name of the Member	Date of App.
1	Chairman	Dr. Yashvanth Bhupal , MS, Ph.D., MIE, Chairman & Director, BITM, Bellary	31.05.2008/ 15.02.2010
2	Member	DR. S.J.V.MAHIPAL , MBBS,MD, No.35, 3 rd Cross, Gandhinagar, Bellary – 583 103.	01.01.1998 Reappointed on 31.05.2008
3	Member	Sri. S.B. Ashok Bhupal , BA Dhadesugur – Post, Sindhanur - Tq., Raichur-Dist.	01.01.1998 Reappointed on 31.05.2008
4	Member	Prof. Prithviraj.Y.J. , B.E., M.Tech. Dy. Director, BITM, Bellary	31.05.2008
5	Member	Sri. N. Srinivasan , CA Chartered Accountant, 132, 2 nd Floor, Kantha Court, Lalbagh Road, Bangalore.	02.04.2005
6	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
7	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.	Prof. E.S. Rao , BE, DIIT, M.Tech. 302, Sai Mansion, 191/B, B.K. Guda Park, S.R. Nagar, Hyderabad – 500 038 Ph: 040-3705680	25.06.2002
8	Nominee of the Affiliating Body/ University/ State Board of Technical Education.	Dr. Mohan Kumar , Prof. Dept. of Mechanical Engg. Malnad College of Engineering Salagame Raod, Hassan, 573202	01.03.2014
9	Nominee of State Government – Director of Technical Education/ Director of Medical Education/ Drugs Controller (Ex-Officio)	<i>The Director of Technical Education Board, Govt. of Karnataka, Palace Road, Bangalore.</i>	04.12.2003/ 31.01.2007
10	An Industrialist Technologist/ Educationalist from the Region nominated by the State Government.	Prof. A. Jayakara Hegde , B.E., M.Tech. D.No.2-112, Bantwady Post, Via Trasi – 576235 Senapur Village, Kundapur-Tq., Udupi Dist.,	23.01.2003
11	Faculty members nominated from the regular staff.	Dr. G.P. Dinesh, Dean, Dept. of MBA, BITM, Bellary	20.12.2014
12	Faculty members nominated from the regular staff.	Dr. R.N. Kulkarni, Prof. & HOD, Dept. of CSE, BITM, Bellary	20.12.2014
13	Principal/ Director of the Concerned Technical Institution (as nominee of the Society/ Trust). Member Secretary.	Dr. V.C. Patil , BE, M.Tech., Ph.D., Principal – Member Secretary, BITM, Bellary	20.12.2014

Industry Advisory Board

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



BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI

Vision: *We will be a top notch educational institution that provides best of breed educational services by leveraging technology and delivered by the best in class people in line with the globalized.*

Mission: *To empower the students with technical, managerial skills, professional ethics, values and appreciation of human creativity and innovation for an inquisitive mind.*

**NAAC PEER COMMITTEE VISIT
13-15 MAY 2015**

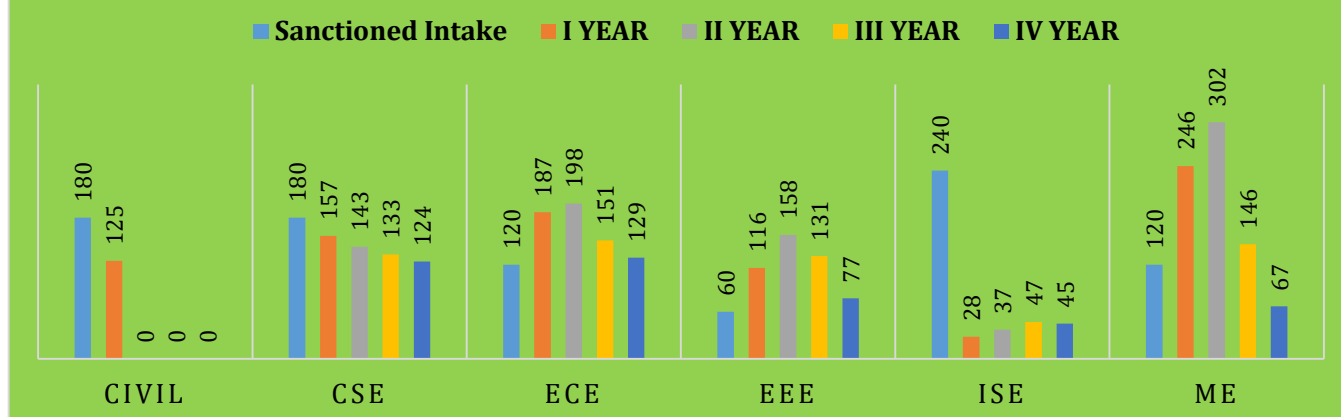


Courses Offered:

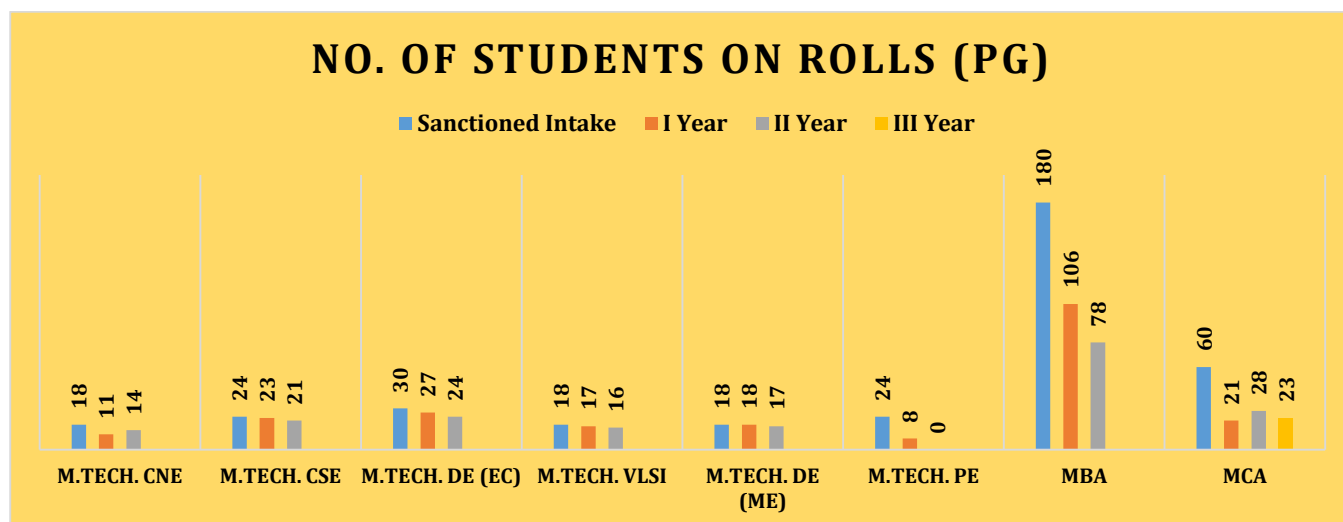
Sl. No.	Programs / Courses	Year of Est.	Accreditation Status			
			NBA		NAAC	
			From	To	From	To
	Under Graduate					
1	Computer Science & Engg.	1997	2011	2014	--	--
2	Electronics & Communication Engg.	1997	2011	2014	--	--
3	Mechanical Engg.	1997	2011	2014	--	--
4	Information Science & Engg.	1999	--	--	--	--
5	Electrical & Electronics Engg.	2007	--	--	--	--
6	Civil Engg.	2014	--	--	--	--
	Post Graduate					
1	Computer Network Engg.	2004	--	--	--	--
2	Digital Electronics (ECE)	2007	--	--	--	--
3	VLSI Design & Embedded Sys	2011	--	--	--	--
4	Design Engg. (ME)	2012	--	--	--	--
5	Computer Science & Engg.	2012	--	--	--	--
6	MBA	2007	--	--	--	--
7	MCA	2008	--	--	--	--
	Research Centre					
1	Computer Science & Engg.	2013	--	--	--	--
2	Electronics & Communication Engg.	2014	--	--	--	--
3	Mechanical Engg.	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	101	24	125	-	-	-	-	-	-	-	-	-
2	CSE	180	46	111	157	45	98	143	29	104	133	38	86	124
3	ECE	180	59	128	187	74	124	198	82	69	151	60	69	129
4	EEE	120	42	74	116	99	59	158	65	66	131	44	33	77
5	ISE	60	8	20	28	7	30	37	4	43	47	14	31	45
6	ME	240	243	3	246	291	11	302	146	0	146	66	1	67
	Total	900	499	360	859	516	322	838	326	282	608	222	220	442

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

Sl. No.	Course	Sanctioned Intake	Total No. of students Admitted								
			I Year			II Year			III Year		
			M	F	T	M	F	T	M	F	T
1.	M.Tech. CNE	18	2	9	11	8	6	14	--	--	--
2.	M.Tech. CSE	24	7	16	23	10	11	21	--	--	--
3.	M.Tech. DE (EC)	30	9	19	28	8	16	24	--	--	--
4.	M.Tech. VLSI	18	8	9	17	11	5	16	--	--	--
5.	M.Tech. DE (ME)	18	17	1	18	15	2	17	--	--	--
6.	M.Tech. PE	24	3	5	8	--	--	--	--	--	--
7.	MBA	180	57	49	106	49	29	78	--	--	--
8.	MCA	60	4	18	22	11	17	28	14	9	23
	TOTAL	372	107	126	233	112	86	198	14	9	23



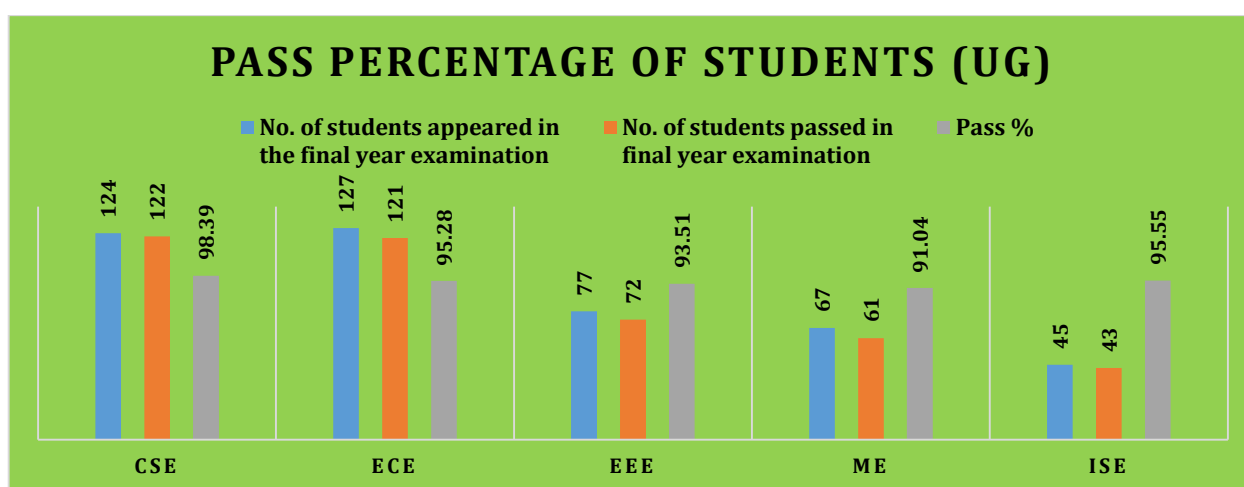
Research Centre Details

Candidates Registered for Ph.D.,

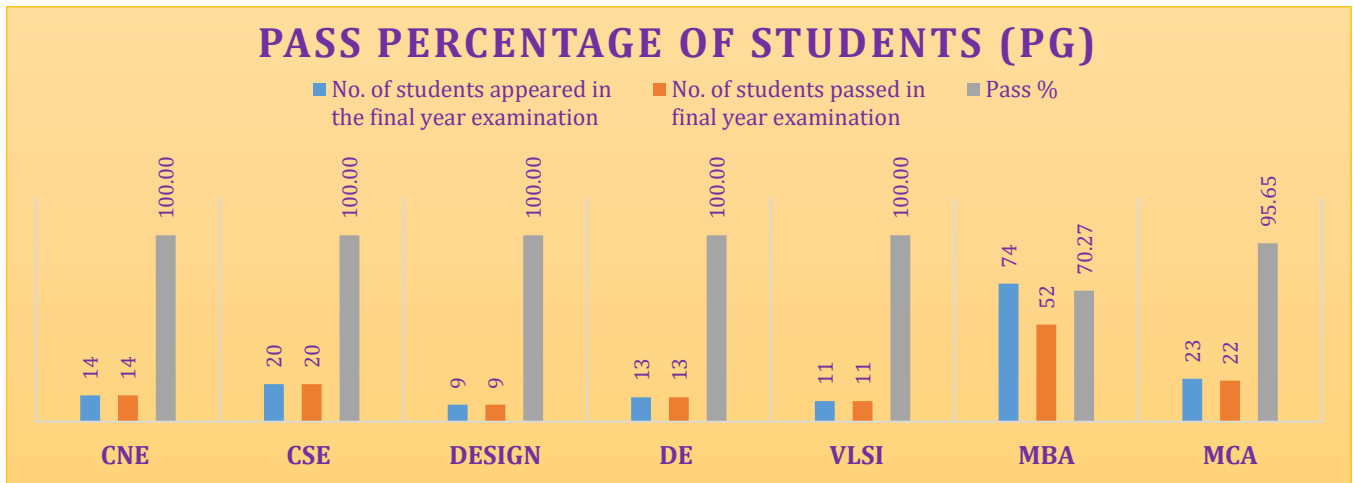
Sl. No.	Name	Department / Research Centre	VTU	Other University	Total no. of Candidates
1	Dr. R N Kulkarni	CSE, BITM Bellary	03	--	03
2	Dr. R V Biradar	VTU RRC	04	--	04
3	Dr. B M Vidyavathi	CSE, BITM Bellary	03	--	03
4	DR. SURESH	Chemistry	02	--	02
5	Dr. K.S.R. Sridhar	Mathematics	01	--	01
6	Dr. Yadavalli Basavaraj	Mechanical Engg	03	--	03
7	Dr. V. V. Ramana	Mechanical Engg	02	--	02
8	Dr. V Ravi	Mechanical Engg	01	--	01
9	Dr. G.P. Dinesh	MBA	01	01	02
10	Dr. V.C. Patil	ECE	06	--	06

PASS PERCENTAGE OF STUDENTS

Programme 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.	CSE	124	122	89.76
BE	Engg.	ECE	127	121	86.56
BE	Engg.	EEE	77	72	92.2
BE	Engg.	ME	67	61	91.04
BE	Engg.	ISE	45	43	95.55

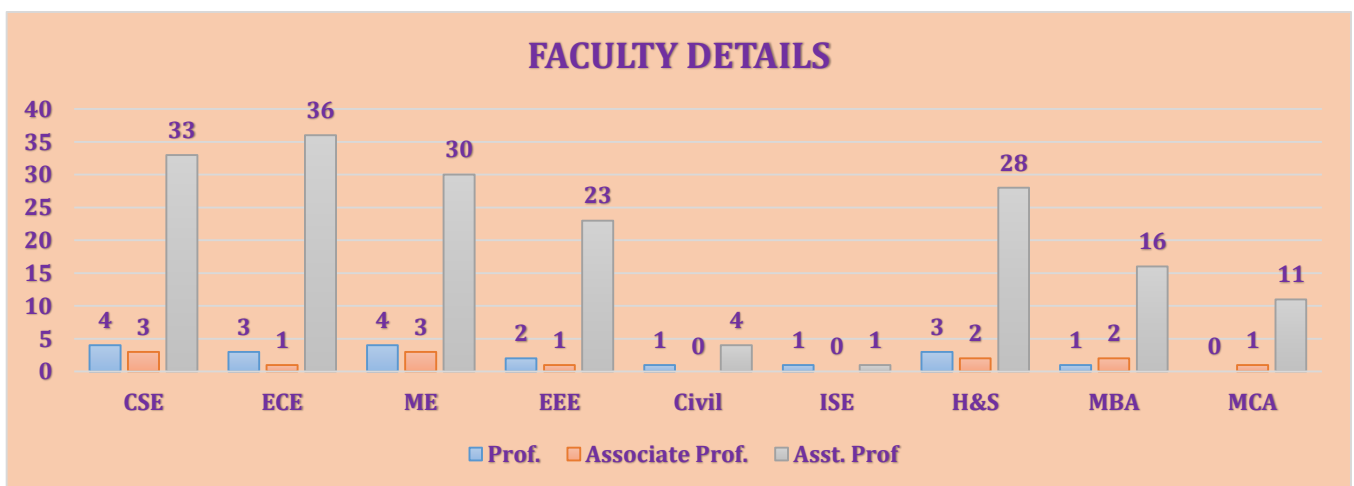


Programme Code	Programme name	Programme Specialization	No. of students appeared in the final year examination	No. of students passed in final year examination	Pass %
M.Tech.	Engg.	CNE	14	14	100.00
M.Tech.	Engg.	CSE	20	20	100.00
M.Tech.	Engg.	Design	9	9	100.00
M.Tech.	Engg.	DE	13	13	100.00
M.Tech.	Engg.	VLSI	11	11	100.00
M.Tech.	Engg.	PE	0	0	0.00
MBA	Mgmt	MBA	74	52	70.27
MCA	MCA	MCA	23	22	95.65



FACULTY DETAILS

Dept.	Prof.	Associate Prof.	Asst. Prof	Total
Computer Science & Engg.	04	03	33	40
Electronics & Communication Engg.	03	01	36	43
Mechanical Engg.	04	03	30	37
Electrical & Electronics Engg.	02	01	23	26
Civil	01	--	04	05
Information Science & Engg.	01	0	01	02
Humanities & Sciences	03	02	28	33
MBA	01	02	16	19
MCA	--	01	11	12
Total	19	13	182	217



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.

Mission: To impart top quality professional education by mentoring the students to become multi skilled professionals with rewarding career through team work, innovative thinking, commitment and ethical responsibility.

Vision: To train the graduates with in depth knowledge of cutting edge technologies by incorporating the necessary programs to enhance creativity social awareness, leadership skills for the overall development.

Programme Educational Objectives (PEOs)

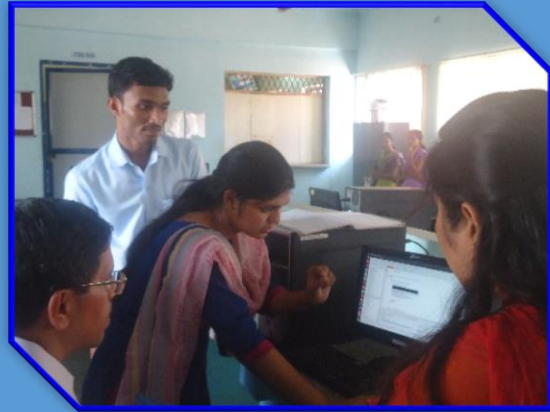
PEO 1: To prepare graduates with a solid foundation in Mathematics, Science, Engineering & Technology for a successful career in Computer Science & Engineering.

PEO 2: To equip graduates with integrity and ethical values so that they become responsible multidisciplinary engineers by exhibiting leadership and team-building skills.

PEO 3: To prepare graduates to excel in competitive examinations / postgraduate programs in advanced education.

PEO 4: To prepare graduates to succeed in industry / technical profession by applying current and innovative engineering technologies by lifelong learning.

WIPRO MISSION 10X - MTLC PROJECT EXHIBITION (13.04.2015)



PC ASSEMBLING & NETWORKING (11.06.2014)



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.

Mission of the Department:

- * To impart quality technical education to produce competent engineers.
- * To equip the students with strong foundation to enable them for continuing education.
- * To support the students to acquire the state of the art technologies to meet the growing challenges of the industry with strong knowledge and professional ethics.

Vision of the Department:

To create technical manpower par excellence in the area of Electronics & Communication Engineering to take an anchoring position as one of the prime departments and to mould engineers to cater to the local and global demands with a social commitment.

Programme Educational Objectives (PEO's):

PEO 1: To acquire strong knowledge in basic Science, Mathematics and ability to apply this knowledge in the relevant fields of E&CE.

PEO2: To develop the ability to demonstrate technical competence and develop solution to the real time problems.

PEO 3: To obtain professional Excellency through lifelong learning and produce graduates with strong ethics.

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 have the ability to anticipate and effectively respond to changes in the field of Mechanical Engineering, to be perceived as being one of the best department known for its dedicated services for students satisfaction and to provide world class training to students for better society.

MISSION:

To become a centre of excellence of International standards, to educate Mechanical Engineering graduate to stay competitive at the cutting edge of technology with strong ethics and instill learning for achievements to benefit mankind.

Programme Educational Objectives (PEOs):

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

**3rd National Conference On
"Mechanical Engineering Trends" - 20.02.2014**



**WORKSHOP - DOMAIN KNOWLEDGE AUGMENTATION IN MECHANICAL ENGINEERING -
IN ASSOCIATION WITH CII. (06.05.2014)**



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

MISSION

1. To provide highest quality teaching and learning environment with emphasis to produce competent and compassionate graduates in electrical engineering.
2. 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.

Programme Educational Objectives (PEOs):

PEO 1: To prepare graduates to excel in professional career by acquiring the broad knowledge of electrical engineering.

PEO 2: To prepare graduates capable of pursuing higher education and research.

PEO 3: To prepare graduates to engage in lifelong learning, professional development activities, and/or other career enhancing activities.

PEO 4: 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 8th 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's):

- PEO1. Graduates would be able to work collaborate on multi-disciplinary projects and make them self-engage in lifelong learning process through their professional life.
- PEO2. Graduates would able to engage themselves in higher education, research oriented program.
- PEO3. 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)

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,

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.

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
Certificate of Completion on "WIPRO Mission 10x"	1 Year (3 hours per Week)
Infosys Campus Connect Training	1 Year (3 hours per Week)

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 78,304 **volumes** of Books with 8,838 **Titles** on Engineering, Management and Humanities. Library subscribed to **106 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 automated 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 13235 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).

Other facilities:

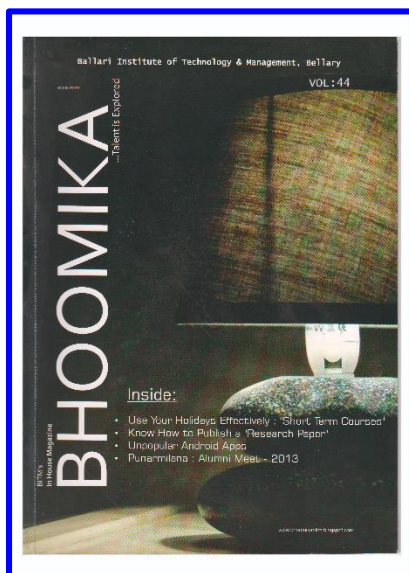
- 1160 Nos. Computers have been provided in all the Depts./ Labs with LAN System. 22 MBPS Leased line Internet with WI-Fi facilities to all the staff & students.



- **Separate Hostels for Boys & Girls.**

- 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.
- 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 15 buses BITM offers convenient transport facilities for students to avail.





- **“Bhoomika”** Quarterly Magazine is published by the students depicting their creativity and achievements.

MoUs/ CoE / and Associations:

- Infosys campus Connect-Recognized as an Advanced Partner College.
- An IBM Centre of Excellence for Cloud Computing, Big Data Analytics and Mobile Application Development.

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.

Participation in Sports Activities

Date of Event	Name of the event/activity	No. of Participants
11.10.2014	1. THROW BALL (W) NIE MYSURU, KARNATAKA	13
25.10.2014	2. VTU INTERZONAL GZ BADMINTON(WOMEN)	2
25.01.2015	3. VTU HOCKEY BLUE	
28.02.2015	4. VOLLEY BALL (Men) GNDCE BIDAR,	12
02.03.2015	5. Badminton Men-Intra Mural	30
	6. Badminton Women's-Intra Mural	15
10.03.2015	7. VOLLEY BALL Men -Intra Mural	73
14.03.2015	8. Chess Men-Intra Mural	16
19.03.2015	9. HAND-BALL (Men), RYMEC-BALLARI	11
21.03.2015	10. Football Men -Intra Mural	31
22.03.2015	11. BASKET BALL INTRA MURAL	43

24.03.2015	12. Throw ball women's -Intra Mural-BITM, Bellary	24
15.04.2015	13. HOCKEY (Men) 1 st -Place -BITM, Bellary	17
17.04.2015	14. HOCKEY (W) selections at RLJIT Doddaballapura State Level -3rd Place.	2
25.04.2015	15.BALL-BADMINTON (M), RLJIT-Dbpura	4
11.05.2015	16. BASKET -BALL(M), Zonal-Inter zonal, BLDEA'S -Vijayapur, Zonal -Runners, I-Zonals-4TH Place	13
2014-15 - Cultural		
I. Drestein Techno Fest		
27-03-2015	1. CODE DEBUGGING	14
	2. PROGRAMMING CONTEST	13
	3. WEB APPLN DEVELOPMENT	13
	4. CIRCUIT TROUBLE SHOOTING	16
	5. LATHE MAESTRO	12
	6. MIND MAZE	12
	7. TECHNICAL PAPER PRESENTATION	8
	8. TECHNICAL QUIZ	28
II. Tarang Cultural Fest 2014-15		
21.03.2015	9. AMAZING RACE	18
	10. DANCING	38
	11. MOVIE MAKING	6
	12. SINGING	16
15th VTU Youth Fest_UTSAV-2014-15		
29-03-2015	13. VTU Youth Fest - UTSAV	106

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	192	Rs.16,67,500/-
Financial support from other sources			
a) National	Govt. of Karnataka / OBC, SC, ST Scholarships	1281	Rs.3,19,80,610/-
b) International	NIL	NIL	NIL

Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
FMS LAB Mech. Dept.	3	KCTU, Bangalore, GOK	108.32 Lakhs	24.88 Lakhs

Workshops / Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices.

Title of Workshop/Seminar	Dept.	Date(s)
Workshop on Big Data & Hadoop	CSE	04.03.15 to 05.03.15
Workshop on Indian Android Champ-2015 (organized by Gadgets)	CSE	24.03.15 to 25.03.15
National level Workshop on Research Issues in Computer Science & Engineering (RICE-2015)	CSE	10.04.15 to 11.04.15
Work and Life Balance : A possible Dream	MBA	27.9. 2014
Inspire Marketing: Marketing is Dead- Long Live marketing	MBA	21.2. 2015
Time management	MBA	30.8. 2014
Career growth	MBA	27.9. 2014
Importance of the AMFI for MBA	MBA	21.3. 2015
Investors Awareness program on Mutual Fund Investment	MBA	4.11.2015
Indian Capital market	MBA	4.18.2015

Research Publications:

	Departments	No. of Publication
National / International	CSE, ECE, ME, EEE, CIVIL, MBA, Mathematics, Physics	33

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

Department	No. of publication
CSE, ECE, ME, EEE, CIVIL, MBA, Mathematics, Physics, Chemistry	26

Bibliometric of the publications:

Research Papers per Teachers In The Journals

SN	Name of the author/s	Title of paper	Name of journal
1	Rohitha U M	Mathematical analysis for detection probability in cognitive radio networks over wireless communication channels	IET Journal of Engineering
2	Venkanagouda C Patil	Evaluating the Research Trends and Techniques for Addressing Wormhole Attack in MANET	International Journal of Computer Applications
3	Venkanagouda C Patil	Problems with Non-Renewable Sources: Survey	International Journal of Advanced Research in

			Computer Science & Technology
4	Mrs.Nilam C	Implementation of Arithmetic Operations Using Vedic Mathematics	IJRET
5	PREMCHAND D.R	Power Analysis of CMOS and Adiabatic logic design	IJIEEE
6	Abdul Latheef	User's privacy in cloud with iris Authentication	IJISE
7	Naseeruddin	Design of a low-voltage low-dropout Regulator	IJEETC
8	Amarappa Pagi	Fuzzy Energy Aware Graph Based Routing (FEAGR) in Wireless Sensor Networks	IJRET
9	Naseeruddin	Design and implementation of 32 bit Unsigned multiplier using CLAA, CSLA, ETA	IJEETC
10	BS Khened	Design of a Low Cost Instrumentation System for Oxygen Sensing Using Polyaniline/Cerium Oxide Composites	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)
11	SANDEEP Y M	Case Study of Power Factor Effect on 220 KV and 66 KV Transmission Lines from Vajamangala 220/66/11 KV Station	International Journal of Scientific Research & Development
12	SANDEEP Y M	Analysis of Power Factor Effect on 66 KV Transmission Lines from Vajamangala 220/66/11 KV Station	International Journal of Engineering Technology and Management
13	M D ANWAR	A SELF STARTING SWITCH MODE POWER SUPPLY FOR FLYING CAPACITOR VOLTAGE SOURCE INVERTER	Indian Journal of Scientific Research
14	BS Khened,	AC CONDUCTIVITY STUDIES OF P-TOLUENESULFONIC ACID DOPED POLYANILINE-SODIUM ALGINATE COMPOSITES	CELLULOSE CHEMISTRY AND TECHNOLOGY
15	Dr. Yadavalli Basavaraj	"Design, analysis and development of special purpose tools for Composite Manufacturing efficiency Improvement"	International Journal of Research in Engineering Technology (IJRET), Volume 4, Issue 7 July 2015.
16	Dr. Yadavalli Basavaraj, Pavan Kumar B.K	"Analysis of Friction Performance of LM6-SiC Metal Matrix Composite by using Design of Experiments"	International Journal Mechanical and Industrial Technology (IJMIT). ISSN (Online) 2348-7593, Volume 2, Issue 1 April 2014 - September 2014, Available at: www.researchpublish.com
17	Dr. Yadavalli Basavaraj, Pavan Kumar B.K	"Analysis of Pedal Operated Wheel Brake System of a Helicopter Using Adams Software"	International Journal of Science and Research (IJSR). ISSN (Online) 2319-7064, Volume 3, Issue 6 June (2014), PP. 709-711. Journal Impact factor (2012): 3.358. Available at www.ijsr.net
18	Dr. Yadavalli Basavaraj	"Experimental and Numerical Study of the influence of Volume fraction on Tensile and	International Journal Mechanical and Industrial Technology (IJMIT). ISSN

		Flexural Strength of E- Glass Epoxy Cross Ply Laminates”	(Online) 2348-7593, Volume 2, Issue 1 April 2014 – September 2014, Available at: www.researchpublish.com
19	Dr. R.V.Biradar	A Survey on Routing Mechanism using Degree of Contact in DTN	IJCSMC
20	Dr. B M Vidyavathi	Ameliorated Methodology for the Design of sugarcane Yield Prediction using Detection Tree	COMPUSOFT IJACT
21	Dr. R.V.Biradar	Mesh Networks with Fault Tolerant Routing Technique - A Review	IJCSMC
22	Dr. B M Vidyavathi	Security Challenges in Big Data : Review	IJARCS
23	Dr. B M Vidyavathi	A Survey on Process Mining	IJSRD
24	Mohammed Javed Kalburgi	Evaluation of learning and development practices of alternative energy Company in Karnataka	International Journal of Management and Social Science Research Review
25	Mohammed Javed Kalburgi	Drivers of supply chain management and profitability analysis of FMCG Sector in Karnataka	Sai Balaji International Journal of management science
26	Mohammed Javed Kalburgi	A Study on the impact of Empowerment on Employee Performance in the Logistic Industries of North Karnataka	International Journal of Engineering Research and Management
27	Mohammed Javed Kalburgi	Effectiveness of Employee Communication and relationship for job Satisfaction: A Study of non-woven fabrics industry at Bangalore	International Multidisciplinary e-journal
28	Dinesh K	of Trading Experience on Investment Performance	International Multidisciplinary e-Journal
29	Shivaraj R. Kulkarni,S. N. Ramesh & S. Shaheeda Banu	Effect of TM & Loop on Drape Co-efficient of single Jersey knitted fabrics	International Journal of Advanced Research in Engineering and Technology (IJARET)
30	Shankare Gouda	PERFORMANCE OF GOLD EXCHANGE TRADED FUNDS (ETFs) IN INDIA – A COMPARATIVE ANALYSIS	International Multidisciplinary e-Journal
31	Shankare Gouda	Behaviour of Share Prices Before and After the Announcement of Financial Results in Telecom Sector - An Analysis	International Multidisciplinary e-Journal
32	A.Mahesh & Dr.G.P Dinesh	Structural Equation Modeling to determine the Effectiveness of Key Account Management	The Internal Journal of Research Publication's Research Journal of social Science & Management
33	Dinesh K	Gender difference in Behavioral Bias: An Empirical Study.	International Multidisciplinary e-Journal

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	VIJAYA KRISHNA M	THD Optimization of Sequential Switching Technique Based Hybrid IPD Modulation Scheme for CMLI	International	IEEE

2	Rohitha U M	Signal detection in cognitive radio networks over AWGN, Nakagami-m and Nakagami-q channels	International	IEEE Digital Library
3	Mr. Vishnukanth.K	Accuracy Detection for defocused images in optical watermarking technique	International	IRF Forum
4	Mr. Abdul Lateef Haroon	Periodical correlation analysis of digital data pulses for real-time medical applications	International	IEEE Digital Library
5	H M AnilKumar	Realizing concurrent engineering in product development: A survey on two wheeler auto industry	International	International Journal of Advanced Technology in Engineering & Science
6	ShivaramaKrishna A	"Fracture Characterization and FE Simulation of Glass Fiber Reinforced Polystyrene Hybrid Polymer Composite."	National	BITM, Ballari
7	Md. Fayaz K	Performance studies on Photo voltaic thermal (Pv/T) Air collector	National	BITM, Ballari
8	Manjunath E	Development of polymer nano composite with different polymeric matrices	National	BITM, Ballari
9	Dr.Yadavalli Basavaraj	"Fracture Characterization and FE Simulation of Glass Fiber Reinforced Polystyrene Hybrid Polymer Composite."	National	BITM, Ballari
10	B Nagaraj	Realizing concurrent engineering in product development: A survey on two wheeler auto industry	International	International Journal of Advanced Technology in Engineering & Science
11	Mayur Pawar	"Development of Hybrid Aluminium Matrix Composite for Brake Disc"	National	BITM, Ballari
12	Pavan Kumar B K	Investigation on three body abrasive wear behaviour of glass epoxy composite-A Taguchi approach	National	BITM, Ballari
13	Ravi G	The extraction of rice bran based biodiesel & its performance & emission evaluation in diesel engine	National	BITM, Ballari
14	Dr. Yadavalli Basavaraj	"Development of Hybrid Aluminium Matrix Composite for Brake Disc"	National	BITM, Ballari
15	Srinivasulu V	Recent developments in the field of solar water heater using flat plate collector-A Review	National	BITM, Ballari
16	Jayprakash	Synthesization of nano fluid & comparison of overall heat transfer coefficient in heat exchanger	National	BITM, Ballari
17	Shiva Kumar S Y	Development of polymer nano composite with different polymeric matrices	National	BITM, Ballari
18	Shekar K	Performance studies on photo voltaic thermal (Pv/T) Air collector	National	BITM, Ballari
19	Dr. Yadavalli Basavaraj	Investigation on three body abrasive wear behaviour of glass epoxy composite-A Taguchi approach	National	BITM, Ballari

20	B Vishnu Prasad	Synthesization of nano fluid & comparison of overall heat transfer coefficient in heat exchanger	National	BITM, Ballari
21	Vijay Kumar B P	The extraction of rice bran based biodiesel & its performance & emission evaluation in diesel engine	National	BITM, Ballari
22	Santosh Janmatti	Development of polymer nano composite with different polymeric matrices	National	BITM, Ballari
23	Dr V V Ramana	Synthesization of nano fluid & comparison of overall heat transfer coefficient in heat exchanger	National	BITM, Ballari
24	Shree Harsha B T	Performance studies on Photo voltaic thermal(Pv/T) Air collector	National	BITM, Ballari
25	Dr.V Venkata Ramana	Realizing concurrent engineering in product development: A survey on two wheeler auto industry	International	International Journal of Advanced Technology in Engineering & Science

Faculty provided with financial support to attend conferences/workshops and towards membership fee of professional bodies: 27

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.): 10

Faculty undergoing online/face-to-face Faculty development Programmes (FDP): 10

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 scheme	Date of implementation	Agencies involved
Infosys Campus Connect	27 January 2015	BITM Faculty
Wipro Mission 10X	14 August 2014	BITM Faculty
Soft Skills Training & Development Program	07 July 2014	Focus Academy career Enhancement(FACE)
Communication Skills	07 July 2014	Focus Academy career Enhancement(FACE)
International Yoga Day	21 June 2015	BITM NSS Unit

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

Name of the scheme	Number of Participating students by Guidance for Competitive examination	Number of participating students by Career Counselling activities
Robotic Devices & Systems	370	--
Importance of NI LabView	240	--

Training, Placement, Higher Education & Competitive Examinations

*Institution has successfully placed **195** 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 04 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. 04 students have successfully cleared the competitive exams.

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 1st year to Final year.

.. The student representative brings forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class.

.. The student representatives share ideas and interact with lecturers and principals.

.. The student representatives also help to raise funds for activities including Social events, Community projects, helping people in need and college reforms

.. Various programs like paper presentations, workshops and Seminars are organized by these bodies every year.

The funding for various activities of the internal college bodies is provided by the College Management. Students part of IQAC, Cultural Committee and Hostel Committee.

BITM Alumni Association

The Aims and Objectives

- To provide a forum for the old students of the College to meet and discuss the matters of common interest.
- To promote the interests of the College and its past and present students.
- To promote goodwill and mutual assistance among the members.
- To contribute to the cause of technical education by sharing the experience of those in the field.
- To help the authorities to improve the academic and cultural activities of the college.
- 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 434 alumni students were enrolled.

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

Quality Improvement Strategies

Curriculum Development:

Identification of Curriculum gaps and specific courses taught to fulfil the same. Design based experiments and additional labs are conducted beyond the syllabus.

Teaching and Learning:

Outcome based education is practiced across the institution with real emphasis on student centric learning by catering to the different learning styles of the students.

Examination and Evaluation:

Internal examinations are conducted on the basis of external exams, rules and regulations such as issuing of hall tickets for IA tests, intimation of attendance and IA marks to the parents via SMS. Evaluation is completed within a week and their IA books is given to the students for verification and self-evaluation. The answer key is well debated with the students.

Research and Development:

Departments are continuously applying for Research and Development projects through VGST and KCTU. Staff and Students are sponsored from institution for paper publications and presentations. Faculty pursuing Ph.D., have given contingency amount and support for the research work.

Library, ICT and Physical Infrastructure / Instrumentation:

State of the Art Library with E Journals and Digital E Learning facilities are augmented for self-learning. The college has high speed internet connectivity for access to educational contents. Firewall is augmented for secure and safe access. In our institution 960 and more computers are available for all the Staff and Students.

Human Resource Management:

Objective base appraisal is carried out in a very systematic manner taking into account related to academics, research, personal development and leadership aspects.

Industry Interaction / Collaboration:

College has setup BIRED cell with its office located in Bangalore for industry institute interaction and collaboration.

Admission of Students:

Management provided scholarship for poor and meritorious students in management quota. Career counselling was carried out to the students of Ballari and scope and opportunities in Engineering was highlighted.

Implementation of e-Governance in Areas of Operations:

Planning and Development:

Proper Budgeting is carried at the beginning of the financial year and the same data and information is maintained on electronic platform. The expenditures are constantly verified against the budget for effective utilisation. Development activities are carried out based on the budget.

Administration:

Eduwize ERP Software is used for overall administration and monitoring.

Finance and Accounts:

Tally Accounting Software is used for all the accounting purpose. Financial aspects are closely monitored through e-banking facility and all the financial transactions are carried out through digital payments such as NEFT RTGS, PayTM, PhonePe, BHIM, POS Machines and etc.

Student Admission and Support:

RoboVidya by RoboSoft Software used to manage the Students information for Admission, Fee payment, communication, transport maintenance and Hostel.

Examination:

IA performance and their attendance is communicated through SMS by SMS Gateway software. Student update their profiles in the VTU examination Portal every year. Students after applying for examinations their hall tickets are automatically generated for semester end examinations and the results are also announced on online in VTU portal.

Faculty Empowerment Strategies

Name of Faculty	Conference/ Workshop attended	Professional Body
Sridhar S K	UTLP-Expert Workshop	Wipro Ltd. Bengaluru
Girish Kumar D	Programming Skills & Data Structures Distilled	BITM, Ballari
Sridhar S K	FEP on Foudation Program 4.0	Infosys Mangalore
Kiran M	Distributed Computing	DBIT, Bengaluru
Virupaksha Gouda R	Sprucing up Mobile Applications using Android	SIT, Tumkur.
C K Sreenivas	Research Methodologies & Latex	VTU RO, Bengaluru
PhaniRamPrasad	Research Methodologies & Latex	VTU RO, Bengaluru
PhaniRamPrasad	Trends in Computing Research	VTU, Belagavi
C K Sreenivas	Trends in Computing Research	VTU, Belagavi
Mr. William Thomas H.M	workshop on trends in under water acoustic communication and sonar.	RV CE, Blore
Mr.Ashish K Babu	Workshop on Advanced VLSI design using cadance tool suit.	JSS Academy Bangalore
Mr. Pramod Mutalik	Workshop on Advanced VLSI design using cadance tool suit.	JSS Academy Bangalore
Mr. Hemantha Kumar R	A two days State level workshop on "Fundamentals of Lab View & Its Applications"	RYMEC Ballari.

Mr. Hemantha Kumar R	Workshop on Advanced VLSI design using cadance tool suit.	JSS Academy Bangalore
MPrathibha	A two days State level workshop on “Fundamentals of Lab View & Its Applications”	RYMEC Ballari.
Mr. Prabhakar. K	A two days State level workshop on “Fundamentals of Lab View & Its Applications”	RYMEC Ballari.
Mr. Sagara T.V	Workshop on Advanced VLSI design using cadance tool suit.	JSS Academy Bangalore
Mr. Naseeruddin	Two days workshop/international conference on Nano Technology & MEMS (Bangalore India NANO-2014)	Lalit Ashoka Hotel, Bangalore organized by VGST
Mr. Manjunath. G.	Two days workshop/international conference on Nano Technology & MEMS (Bangalore India NANO-2014)	Lalit Ashoka Hotel, Bangalore organized by VGST
Mr. Manjunath. G.	A two days State level workshop on “Fundamentals of Lab View & Its Applications”	RYMEC Ballari.
Mr. Pramod Mutalik	Workshop on Graphical system design in engineering technology using NI Labview	SJBIT Bangalore
Mr. Vijaya Kumar S. Patil	Workshop on Graphical system design in engineering technology using NI Labview	SJBIT Bangalore
Mr. Srikantha K.M	Workshop on NI lab ,cadence, verilog & ARM processor	SJBIT College Bangalore
Dr Yadavalli Basavaraj	International Conference on Transformations in Engineering Education ICTIEE-2015, Bengaluru	BMS College of Engineering & Indo-US Collaboration for Engineering Education
Syed Mohiuddin	International Conference: Fifty Ninth Congress of The Indian Society of Theoretical and Applied Mechanics (ISTAM-2014)	Alliance University, Bengaluru
Dr. D. Shaik Meera	International Conference: Fifty Ninth Congress of The Indian Society of Theoretical and Applied Mechanics (ISTAM-2014)	Alliance University, Bengaluru
Dr. D. Shaik Meera	Workshop: Engineering Mathematics Syllabus	Davanagere

Professional Development Training programmes:

Name Of Teacher Who Attended	Title of the program	Duration (from – to) (DD/MM/YYYY)
Shilpa K R	FDP in Advancements in signals and systems and its application	07/07/2014 to 19/07/2014
Nilam C	FDP in Advancements in signals and systems and its application	07/07/2014 to 19/07/2014
William Thomas	Workshop on trends in under water acoustic communication and sonar	14/07/2014 to 19/07/2014
Shiva Kumar K S	Workshop on Graphical system design using lab view	27/01/2015 to 02/02/2015
Sridhar S K	Workshop on UTLP-Expert Workshop	22/09/2014 to 26/09/2014
Shekar K	Training Program on Solar Photo Voltaic Grid Connected Power Plants	01/12/2014 to 06/12/2014
Vijaya Kumar B P	FDP on Precision Engineering	05/01/2015 to 09/01/2015
Santosh Diwatar	FDP on Precision Engineering	05/01/2015 to 09/01/2015

Prathiba Mishra	FDP on C and C++	15/06/2015 to 27/06/2015
Girish Kumar	FDP on C and C++	15/06/2015 to 27/06/2015

Welfare schemes:

Teaching: PF, Group Gratuity, ESI, CL 15 days pa, EL 30 days non-vacation, 10 days' vacation staff, Group Gratuity Scheme, Accidental Insurance, Transport, for Ph.D., Research Contingency, WS Conferences, value added training programmes, Salary Advance facility.

Non-teaching: PF, Group gratuity, ESI, CL 15 days pa, Group Gratuity Scheme, Accidental Insurance, Transport Facility, Salary Advance facility.

Students: Accidental Insurance Scheme, Deputing students to Workshops, Conferences, Value Added Training Programmes, in House training Programs, Sports, NSS, Tech Fest, Youth fest activities, Transport facility for Industry Tours, Off Campus interviews, etc. Awareness Regarding Govt. facilities Scholarship, Loan to minorities, etc. Career Guidance to improve the student's employability.

Quality Initiatives undertaken

Quality initiative	Name of the programs
Conferences, Seminars, Workshops on quality conducted	Research Issues in Computer and Engineering(RICE-2015) 10.11.2015 to 10.11.2015
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.	NA
ISO Certification. and nature and validity period	Two - ISO audits were successfully carried out.
Orientation programme on quality issues for teachers and students organised by the institution, Date (From-To) (DD-MM-YYYY)	1. FDP On Innovation & You 06.09.2014 to 06.09.2014 2. C &C++ 15.06.2015 to 27.06.2015 3. Research Issues in Computer and Engineering(RICE-2015) 10.11.2015 to 10.11.2015 4. 3rd National Conference on Mechanical Esengineering Trends, "COMET 2015" 20.02.2015 to 20.02.2015

INAUGURATION OF 1ST YEAR CLASSES (31.7.2014)



DR. V.C. PATIL, TAKEN CHARGE AS PRINCIPAL, BITM (12.11.2014)



COLLEGE DAY 2015 (28.03.2015)



ALUMNI MEET – PUNARMILANA (24.01.2015)



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 | > ESIC |
| > Accident Insurance | > 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>

CELEBRATIONS AT COLLEGE

Celebration of Independence Day

The institution celebrated 68th Independence Day on 15th August 2014.

Prof. Prithviraj Y. J. - Management, Principal Dr. U. Eranna, Staff & Students along with NSS Volunteers of the institution participated in flag hoisting. Mr. Ananth & Mr. Anil Students from ME-Department spoke about the sacrifices made by our freedom fighters. Mr. Ananth highlighted patriotism shown by Bhagath Singh & Rajguru.

Celebration of Teacher's Day

Students from all the departments took the lead in organizing the Teacher's Day on 05th September 2014 by showering love and affection towards the staff members for their service and sacrifice. Principal addressed all the staff members in C. V. Raman Seminar Hall and spoke about the achievements and qualities of Sri. Sarvepalli Radhakrishnan.

Celebration of Engineers' Day

Birth Anniversary of Sir M. Visweswaraiiah was celebrated as Engineer's Day on 15th Sept. 2014. Technical talk by Dr. Yashvanth Bhupal was delivered in the area of Manufacturing Management w.r.t. Make in India.

Celebration of Ozone Day

NSS Volunteers viz., Ms. Kavya & Ms. Poojitha organised awareness program on the importance of Ozone Layer on 16th Sept. 2014. Students formed Ozone shaped human chain to propagate the protection of Ozone.

Celebration of Birth Anniversaries.

The Students viz., Ms. Shalini, Ms. B. Mahalakshmi along with staff and NSS Unit recollected the contributions made by father of the nation Mahatma Gandhi and Lal Bahadur Shastri on 02nd Oct. 2014 w.r.t. importance of peace, non-violence and hygiene. Swachh Bharath program was conducted at the institution and near the institute public bus stand.

Celebration of Karnataka Rajyotsava Day

On the occasion of Karnataka Rajyotsava Day on 1st Nov. 2014, Mr. Sathya Narayana, Student and Mr. Manjunath, Asst. Prof. Physics Department recollected the importance of celebration of statehood and Regional Language. Students and staff spoke about importance of Kannada and the famous personalities such as Kuvempu and Girish Karnard for their contributions in the area of Arts & Literature.

Celebration of World Aids Day

On the occasion of World Aids Day on 1st Dec. 2014, NSS Volunteers Mr. Pradeep Naik & Mr. Manoj took the lead role in spreading the awareness on prevention of AIDS at Allipura Village. All the staff members wore the Red Ribbon on that day to empathize with patients, and recognize the contribution made by the district administration.

Celebration of National Youth Day

The students and staff celebrated National youth day on 12th Jan 2015, and Mr. Mahesh & Mr. Dinesh, Asst. Prof. Dept. of MBA, recollected the message put forth by Swami Vivekananda and the role of the youth in the development of the Nation and the Society.

Celebration of Republic Day

The Republic Day was celebrated on 26th Jan. 2015 and NSS Students, Staff and Management participated. Prof. Prithviraj Y. J. hoisted the National Flag. Mr. Avinash M. G. recollected importance of protecting the constitution and contribution made by Dr. B. R. Ambedkar in framing the constitution.

Celebration of International Women's Day

The Ladies staff and students were celebrated International Women's Day on 9th March 2015. Dr. B. M. Vidyavathi, Prof., CSE Department gave a talk on Work Life Balance. Sweets and Roses were given to the all the lady staff members.



Principal,
Battal Institute of Technology & Management,
BELLARY.

SHUTTLE BADMINTON 25.10.2014



01.11.2014 - SWATCH BHARATH AT COLLEGE CAMPUS



Run for unity - 31.10.2014



19.02.2015 - BLOOD DONATION CAMP



** ** ** **

A handwritten signature in green ink, likely belonging to the Principal of the institution.

Principal,
Battari Institute of Technology & Management,
BELLARY.