

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

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



ANNUAL REPORT FOR THE YEAR 2020-21

INDEX

SN	PARTICULARS
1	<i>Founder Chairperson and Former Union Minister</i>
2	<i>Tungabhadra Education Health & Rural Development Trust®, Ballari</i>
3	<i>Board of Trustees</i>
4	<i>Basavarajeswari Group of Institutions</i>
5	<i>Ballari Institute of Technology & Management</i>
6	<i>Governing Body Members</i>
7	<i>Industry Advisory Board</i>
8	<i>Courses Offered</i>
9	<i>No. of Students on Rolls (UG)</i>
10	<i>No. of Students on Rolls (PG)</i>
11	<i>Research Centre Details</i>
12	<i>Pass percentage of students</i>
13	<i>Faculty Details</i>
14	<i>Dept. of Computer Science & Engineering</i>
15	<i>Department of Electronics & Communication Engg.</i>
16	<i>Dept. of Mechanical Engineering</i>
17	<i>Dept. of Electrical & Electronics Engineering</i>
18	<i>Department of Civil Engineering</i>
19	<i>Master of Business Administration (MBA)</i>
20	<i>Funds by Central/ State Government</i>
21	<i>Management Information System</i>
22	<i>Certificate Courses</i>
23	<i>Value-added courses imparting transferable and life skills offered</i>
24	<i>ICT initiatives</i>
25	<i>Students Mentoring System</i>
26	<i>Honours and Recognitions Received by Teachers</i>
27	<i>Workshops / Seminars</i>
28	<i>Awards for Innovation Won by Institution</i>
29	<i>Incubation Centre</i>
30	<i>Research Publications</i>
31	<i>Books and Papers in National / International Conference Proceedings per Teacher</i>
32	<i>Bibliometric of the Publications</i>
33	<i>Faculty Participation in Seminars/Conferences and Symposia</i>
34	<i>Extension and Outreach Programmes Conducted</i>
35	<i>Awards & Recognition Received</i>

36	<i>Collaborative Activities for Research, Faculty Exchange, Student Exchange</i>
37	<i>Linkages with Institutions / Industries for Internship</i>
38	<i>MoUs</i>
39	<i>Scholarships and Awards</i>
40	<i>Training & Placement</i>
41	<i>Student Progression to Higher Education</i>
42	<i>Sports and Cultural Activities / Competitions</i>
43	<i>BITM Alumni Association</i>
44	<i>Central Library (Knowledge Centre)</i>
45	<i>Facilities at BITM</i>
46	<i>Faculty Empowerment Strategies</i>
47	<i>Professional Development / Administrative Training Programmes</i>
48	<i>Teachers attending Professional Development Programmes</i>
49	<i>Quality Initiatives Undertaken</i>
50	<i>Best Practices</i>
51	<i>Institutional Distinctiveness (Accreditation) (Ratings and Rankings)</i>
52	<i>Celebrations in College</i>

***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, LLM, 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.

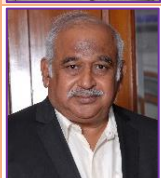
BOARD OF TRUSTEES



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. 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



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



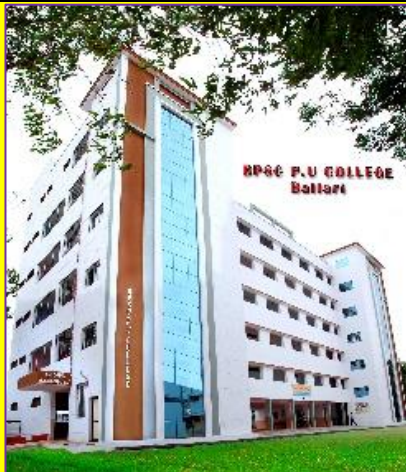
Bellary Private Industrial Training Institute,
 Ballari (Estd. 2006)
ITI – Fitter & Electrician



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

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	Dr. Yashvanth Bhupal , MS, Ph.D., MIE, Chairman & Director, BITM, Ballari	31.05.2008/ 15.02.2010
2	Member	DR. S.J.V. Mahipal , MBBS,MD, No.35, 3 rd Cross, Gandhinagar, Ballari – 583 103.	01.01.1998 Reappointed on 31.05.2008
3	Member	Sri. S.B. Ashok Bhupal , BA Dhadesugur – Post, Sindhaur - Tq., Raichur-Dist.	01.01.1998 Reappointed on 31.05.2008
4	Member	Prof. Prithviraj Y.J. , B.E., M.Tech. Dy. Director, BITM, Ballari	31.05.2008
5	Member	Sri. N. Srinivasan , CA Chartered Accountant, 132, 2 nd Floor, Kantha Court, Lalbagh Road, Bangalore.	02.04.2005
6	Member	Dr. V.J. Bharath , MBBS, MD No.35, 3 rd Cross, Gandhinagar, Ballari.	23.12.2017
7	Member	Mr. Amarraj Bhupal , LLM H. No: 496, RMV Extension, 9 th cross, 3 rd 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.	Prof. E.S. Rao , 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.	Dr. Venkatesh , 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.	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
13	Faculty members nominated from the regular staff.	Dr. G.P. Dinesh , BE, MBA, Ph.D., Professor, BITM, Ballari	20.12.2014
14	Faculty members nominated from the regular staff.	Dr. R.N. Kulkarni , 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.	Dr. V.C. Patil , BE, M.Tech., Ph.D., Principal – Member Secretary, BITM, Ballari	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. Md. Javed Kalburgi	HOD	Member Secretary

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
Under Graduate Course							
1	Computer Science & Engg.	180	1997	2011	2014	2015	2020
2	Electronics & Comm. Engg.	180	1997	2011	2014	2015	2020
3	Mechanical Engg.	180	1997	2011	2014	2015	2020
4	Electrical & Electronics Engg.	120	2007	-	-	2015	2020
5	Civil Engg.	120	2014	-	-	2015	2020
6	Artificial Intelligence & Machine Learning	60	2020	-	-	-	-
	Total	840					
Post Graduate Courses							
1	MBA	180	2007	-	-	2015	2020
Research Centre							
1	Computer Science & Engineering		2013	--	--	--	--
2	Electronics & Communication Engg		2014	--	--	--	--
3	Mechanical Engineering		2012	--	--	--	--
4	Electrical & Electronics Engg.		2019	--	--	--	--
5	MBA		2012	--	--	--	--
6	Chemistry		2010	--	--	--	--
7	Physics		2012	--	--	--	--
8	Mathematics		2012	--	--	--	--

Student Enrolment and Profile

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.E	900	603	603
MBA	180	113	113

RESEARCH CENTRE DETAILS

Candidates Registered for Ph.D.,

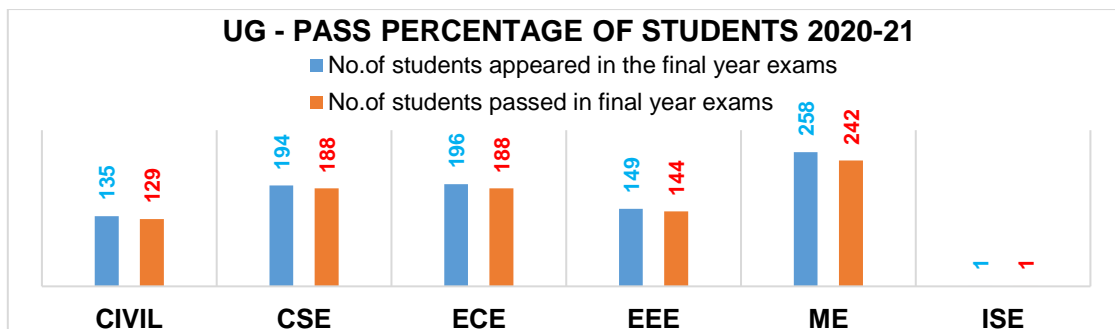
Research Scholar List

SN	Research Scholar Name	Dept.	FT/PT	USN	Guide Name	Status
1	Prabhakar K	ECE	PT	3BR16PEJ02	Dr. K.M. Sadyojatha	Pursuing
2	Manjunath G	ECE	PT	3BR18PEC01	Dr. K.M. Sadyojatha	Pursuing
3	Raymond Irudayaraj I	ECE	PT	3BR18PEC02	Dr. K.M. Sadyojatha	Pursuing
4	Ulaganathan J	ECE	PT	3BR19PEC01	Dr. K.M. Sadyojatha	Pursuing
5	Hemanthakumar R Kappali	ECE	PT	3BR19PEC03	Dr. K.M. Sadyojatha	Pursuing
6	Ravatappa A Bhosagi	ECE	PT	3BR15PEJ01	Dr. U. Eranna	Pursuing
7	Nilam Deepak Gadda	ECE	PT	3BR16PEJ04	Dr. U. Eranna	Pursuing
8	Phulara Shaik Abdul Lateef Haroon	ECE	PT	3BR16PEJ05	Dr. U. Eranna	Awarded
9	Premachand D R	ECE	PT	3BR16PEJ07	Dr. U. Eranna	Pursuing
10	Renuka Sagar	ECE	PT	3BR16PEJ08	Dr. U. Eranna	Pursuing
11	Ravi Kumar M	ECE	PT	3BR16PEJ13	Dr. U. Eranna	Pursuing
12	P Kullaya Swamy	ECE	PT	3BR19PEC02	Dr. U. Eranna	Pursuing
13	Vishnu Kanth Karwa	ECE	PT	3BR20PEC01	Dr. U. Eranna	Pursuing
14	Surendranath H	ECE	PT	3BR16PEJ01	Dr. U.M. Rohitha	Pursuing
15	Fareduddin Ahmed.J.S.	ECE	PT	3BR16PEJ03	Dr. U.M. Rohitha	Awarded
16	Pramod Mutalik	ECE	PT	3BR15PEJ02	Dr. V.C. Patil	Pursuing
17	Vijaykumar Tulajappa Korishetty	ECE	PT	3BR15PEJ03	Dr. V.C. Patil	Pursuing
18	Prathibha Shanbog P S	ECE	PT	3BR16PEJ06	Dr. V.C. Patil	Pursuing
19	Mayur Dondiram Pawar	ME	PT	3BR17PMA01	Dr. Raghavendra Joshi	Pursuing
20	Mohammed Fayaz K	ME	PT	3BR17PMA02	Dr. Raghavendra Joshi	Pursuing
21	Shiva Kumar S Y	ME	PT	3BR17PMA04	Dr. Raghavendra Joshi	Pursuing
22	Maharaja Gowda B	ME	PT	3BR18PME04	Dr. Raghavendra Joshi	Pursuing
23	Suraj Vasant Yadahalli	ME	PT	3BR19PME01	Dr. Raghavendra Joshi	Pursuing
24	Vijaykumar B P	ME	PT	3BR19PME03	Dr. Raghavendra Joshi	Pursuing
25	A Sathyanarayana Achari	ME	PT	3BR17PMA03	Dr. U.M. Daivagna	Pursuing
26	Santosh V Janamatti	ME	PT	3BR17PMA06	Dr. U.M. Daivagna	Pursuing
27	Sandeep M J	ME	PT	3BR17PMS01	Dr. U.M. Daivagna	Pursuing
28	Banakara Nagaraj	ME	PT	3BR13PMN03	Dr. V Venkata Ramana	Awarded
29	H M Anil Kumar	ME	PT	3BR15PMJ02	Dr. V Venkata Ramana	Awarded
30	Fazil N	ME	PT	3BR17PMA05	Dr. V Venkata Ramana	Pursuing
31	Bharath Desai	ME	PT	3BR18PME03	Dr. V Venkata Ramana	Pursuing
32	Lakshmi Kumari	ME	PT	3BR15PMJ01	Dr. Y Vijaya Kumar	Awarded
33	Ravi Shankar Raman	ME	PT	3BR13PMN01	Dr. Yadavalli Basavaraj	Awarded
34	Manjunath T H	ME	PT	3BR13PMN02	Dr. Yadavalli Basavaraj	Pursuing
35	Shivaramkrishna A	ME	PT	3BR15PMJ03	Dr. Yadavalli Basavaraj	Pursuing
36	Pavan Kumar B.K	ME	PT	3BR16PMJ01	Dr. Yadavalli Basavaraj	Pursuing
37	Kuntanahal Rajashekhara	ME	PT	3BR18PME02	Dr. Yadavalli Basavaraj	Pursuing
38	Raghavendra K	ME	PT	3BR19PME02	Dr. Yadavalli Basavaraj	Pursuing
39	Mr. V Srinivasulu	ME	PT	3BR16PMJ02	Dr. Raju Jadar	Pursuing
40	Jagadish R M	CSE	PT	3BR14PEM01	Dr. Aradhana	Awarded
41	Tejashwini S.G	CSE	PT	3BR18PCS01	Dr. Aradhana	Pursuing
42	Rajeswari R P	CSE	PT	3BR19PCS04	Dr. Aradhana	Pursuing
43	Rachana Mudholkar	CSE	PT	3BR19PCS07	Dr. Aradhana	Pursuing
44	Lakshmi Sharma	CSE	PT	3BR20PCS04	Dr. Aradhana	Pursuing
45	Harikrishna H	CSE	PT	3BR20PCS03	Dr. Aradhana	Pursuing
46	Manjunath Prasad H R	CSE	PT	3BR13PEN01	Dr. B M Vidyavathi	Pursuing
47	Suvarna S Patil	CSE	PT	3BR15PEJ08	Dr. B M Vidyavathi	Pursuing
48	K.M. Vinayaka Swamy	CSE	PT	3BR15PEJ11	Dr. B M Vidyavathi	Pursuing
49	Vindhya N S	CSE	PT	3BR17PEA01	Dr. B M Vidyavathi	Pursuing

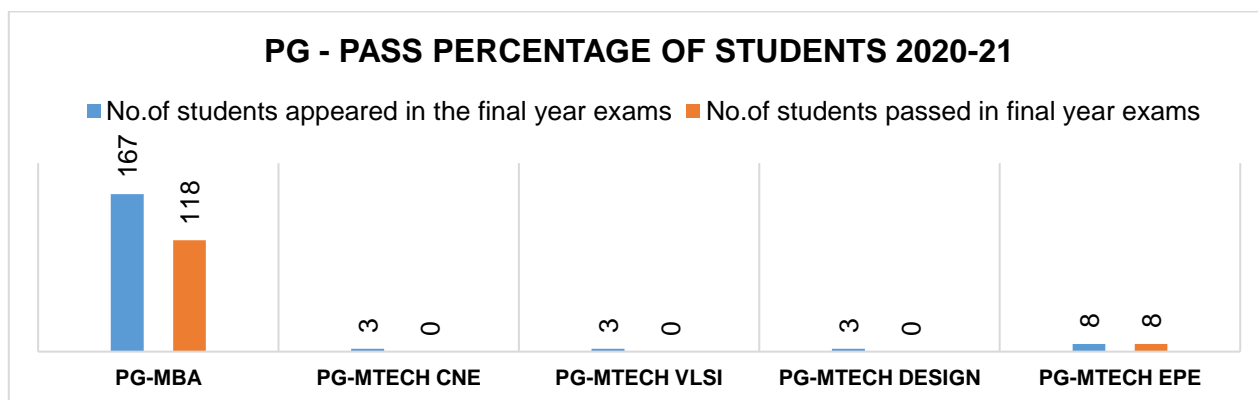
50	Parvati	CSE	PT	3BR17PEA02	Dr. B M Vidyavathi	Pursuing
51	Suchitra Charles	CSE	PT	3BR17PEA03	Dr. B M Vidyavathi	Pursuing
52	Shashidhar S	CSE	PT	3BR19PCS05	Dr. B M Vidyavathi	Pursuing
53	Sreenivas M	CSE	PT	3BR20PCS06	Dr. B M Vidyavathi	Pursuing
54	P Pani Ram Prasad	CSE	PT	3BR15PEJ07	Dr. R.N. Kulkarni	Pursuing
55	C.K.Srinivas	CSE	PT	3BR15PEJ09	Dr. R.N. Kulkarni	Pursuing
56	Padmapriya Patil	CSE	PT	3BR15PEJ10	Dr. R.N. Kulkarni	Awarded
57	Venkata Sandeep Edara	CSE	PT	3BR17PEA04	Dr. R.N. Kulkarni	Pursuing
58	Aparna K.S.	CSE	PT	3BR19PCS01	Dr. R.N. Kulkarni	Pursuing
59	Swetha Koduri	CSE	PT	3BR19PCS03	Dr. R.N. Kulkarni	Pursuing
60	Anitha Patil	CSE	PT	3BR15PEJ04	Dr. R.V. Biradar	Pursuing
61	Lingaraj K	CSE	PT	3BR15PEJ05	Dr. R.V. Biradar	Pursuing
62	Sudhakar Avareddy	CSE	PT	3BR15PEJ06	Dr. R.V. Biradar	Pursuing
63	V. Shiva Kumar	CSE	PT	3BR16PEJ09	Dr. R.V. Biradar	Pursuing
64	Raghu Kumar K S	CSE	PT	3BR16PEJ11	Dr. R.V. Biradar	Pursuing
65	Girish Kumar D	CSE	PT	3BR16PEJ12	Dr. R.V. Biradar	Awarded
66	Channabasamma	CSE	PT	3BR17PEA06	Dr. Yeresime Suresh	Pursuing
67	Ambika G N	CSE	PT	3BR19PCS06	Dr. Yeresime Suresh	Pursuing
68	Ravi Kumar B.N.	CSE	PT	3BR17PEA05	Dr. Yeresime Suresh	Pursuing
69	Dadapeer	CSE	PT	3BR20PCS02	Dr. Yeresime Suresh	Pursuing
70	Azar Baig	CSE	PT	3BR20PCS01	Dr. T R Muhibur Rahman	Pursuing
71	Poornima	CSE	PT	3BR20PCS05	Dr. T R Muhibur Rahman	Pursuing
72	R Nnada Kishore	CHEM	PT	3BR11PGN01	Dr. Suresh	Pursuing
73	Uma Desai	CHEM	PT	3BR11PGN02	Dr. Suresh	Pursuing
74	Vindya R	CHEM	PT	3BR15PGJ01	Dr. Suresh	Pursuing
75	Manjunatha S	PHY	PT	3BR13PGN01	Dr. T Machappa	Awarded
76	Sunil Kumar A	PHY	PT	3BR15PGJ02	Dr. T Machappa	Awarded
77	Annapurna T	Maths	PT	3BR15PGJ03	Dr. K.S.R. Sridhar	Pursuing
78	Veeresh S.M.	Maths	PT	3BR16PGJ01	Dr. Pralahad M	Pursuing
79	Nandini S Patil	EEE	PT	3BR20PEE01	Dr B S Khened	Pursuing
80	Mahesh A	MBA	PT	3BR13PBN01	Dr. G.P Dinesh	Awarded
81	Divya Bharathi	MBA	PT	3BR17PB04	Dr. G.P Dinesh	Awarded
82	Renuka S	MBA	PT	3BR17PBS01	Dr. G.P Dinesh	Pursuing
83	Prabhavathi K	MBA	PT	3BR17PB01	Dr. G.P Dinesh	Pursuing
84	Sundeep T	MBA	FT	3BR20PBA03	Dr Janet Jyothi Dsouza	Pursuing
85	Dinesh K	MBA	PT	3BR18PBA01	Dr Janet Jyothi Dsouza	Pursuing
86	Rakesh M	MBA	PT	BL16PHBA056	Dr Janet Jyothi Dsouza	Pursuing
87	Soumya Shetty	MBA	PT	BL16PHBA088	Dr Janet Jyothi Dsouza	Pursuing
88	Ravi Kumar S.P	MBA	PT	3BR19PB01A	Dr Shaheeda Banu	Pursuing
89	Mohammed Azharoddin Killedar	MBA	FT	3BR20PBA02	Dr Shaheeda Banu	Pursuing
90	Bhagyalakshmi	MBA	PT	3BR20PBA01	Dr Shaheeda Banu	Pursuing

Pass Percentage of Students

Program Code	No. of students appeared in the final year exams	No. of students passed in final year exams
CIVIL	135	129
CSE	194	188
ECE	196	188
EEE	149	144
ME	258	242
ISE	1	1
	933	892



Program Code	No. of students appeared in the final year exams	No. of students passed in final year exams
PG-MBA	167	118
PG-M.Tech - CNE	3	0
PG-M.Tech - VLSI	3	0
PG-M.Tech - DESIGN	3	0
PG-M.Tech - EPE	8	8
	184	126



FULL TIME TEACHERS

No. of sanctioned positions	No. of filled positions	Vacant positions	No. of faculty with Ph.D.
246	243	03	45

DEPT. OF COMPUTER SCIENCE & ENGINEERING

The Department of CSE offers B.E. in Computer Science & 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 level augmented by the approved research centre of VTU, Belagavi.

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 centre 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)

PEO-1	Accomplish a progressive career by applying fundamental principles and design methodologies of computer science and engineering.
PEO-2	Provide practical solutions to solve problems of industry and society at large.
PEO-3	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 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.

Name of the Project/Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
MODROBS	Dr. Venkata Ramana Vaddi	Mechanical	2020-21	980392		AICTE	Government

VISION: To be a centre 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.

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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 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 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 centre 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,

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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 namely RoboVidya and all information on student admission, examinations, marks, fee payments, etc., is available for timely decision making and actions. The College library namely EasyLib is also automated and the information regarding the availability of books, issue details, etc., is available to the students and staff at fingertips. An online public access catalogue OPAC is implemented to enable the students for speedy and convenient access to the library catalogue. All the academic and administrative issues are deliberated and discussed in the appropriate Committees. The deliberations are properly debated and action items recorded and the decisions implemented at all levels in the form of proceedings, rules and regulations and policies. All relevant information about the college is published on the college website for reference. Some forms of MIS are Daily Absent Report Staff and Students, One Page Monthly Report, IQAC Monthly Report, Presentation Management Review Meetings Budget Meetings IQAC Quarterly Meetings Semester Progress Report Annual Report Governing Council.

Key Certificate Courses:

Number of Add on /Certificate programs offered during the year						
Name of Add on /Certificate programs offered	Course Code (if any)	during the year	No. of times offered during the year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Digital Marketing	MBA	2020-21	1	20	52	52
CATIA	ME	2020-21	1	30	72	72
Certificate course on "WIPRO Talent Next"	CSE, ECE, EEE	2020-21	1	180	303	197
Infosys Campus Connect Training	CSE	2020-21	1	15	70	70

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
243	243	Yes	62	0	MS-Teams, CISCO Webex, Google Meet, Google Classroom,

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. Details of mentoring system

- 1 Professional guidance Encourage students to discuss their ideas on paper presentations. Stimulate students thinking towards innovation in projects Support their learning through attending technical workshops. Motivate them to expand their domain knowledge base through participating in competitive activities like Corporate quizzes
- 2 Academic guidance Share information of academic planners, academic schedules and e learning resources. Identify students with poor attendance and ensure that they improve their attendance by getting counselled in the presence of mentor, counsellor and HOD Focus on academically weak students, by providing them with additional reading materials, model questions along with solutions and special make up Classes.
- 3 Career advancement Encourage students to do certification courses in order to build on their qualifications related to their career. Provide Career Guidance CRT and other Training apart from arranging campus recruitment drives by the Training and Placement Cell Support their research into Industry, companies, job and candidate profiles.
- 4 Laboratory specific Counsel irregular students to laboratory classes to attend regularly and complete backlog experiments during specified extra hours. Arrange special lab coaching for Students with backlogs in external lab exams.

Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship

Year	Name of the Workshop / Seminar	No. of Participants	Date
2020-2021	E-Step Boot Camp 2021 in association with Startup Karnataka, GOK	253	06-09-2021
2020-2021	Turnitin(Plagiarism Originality Online Check) Technical Platform in collaboration with VTU Consortium	108	12-04-2020
2020-2021	Intellectual Property Rights	183	05-08-2021

INCUBATION CENTRE**BITM RESEARCH & INCUBATION COMMUNE FOR STARTUPS
(BRICS) COMMITTEE MEMBERS**

S N	Team Members	Branch	Project Title	Project Cost	Mentor
1	Shoaib	ECE	Car Drowsiness Detection System	2,42,500	Prof Raymond
	Sundeeep	ECE			
	Shasahank	ECE			
2	Rajeshwari	ECE	"Store Some" Solar Powered Mobile Cold Storage Monitoring System	3,00,000	Dr. Naseeruddin
	Md Owais	ECE			
	Sana Sumaiya	ECE			
3	Indravasan N M	Alumni	Virtual Bricks	3,00,000	Dr Naseeruddin
	Sharan Raj K M	Alumni			
	Kalyan Simha	CSE			
	Mandara M S	CSE			
4	H M Dayanand	ME	Solar photovoltaic ,thermal fruit dryer and refrigerator.	2,90,000	Prof Shekhar
	Deepak A M	ME			
	Vasudha	ECE			
	Kolli Hemanth	ME			
	Karnam Shreyas	ME			
	Allaiddin Baig	ME			
5	Shruthi	ECE	Robotic Harvesting	3,00,000	Prof Raymond
	Dakshitha Nagaradone	CSE			
	Sampada Polepalli	EEE			
6	Naheen	ECE	Intact Milestone	2,15,100	Prof. Nilam C
	Fouzia Nikhath	ECE			
	S Aneesa Begum	ECE			
7	Sai Vandana .V	CSE	Lost Item Bureau	3,00,000	Prof Raymond
	Naveen B.M	CSE			
8	Sumanth	ECE	Alternate Power Production	1,17,000	
	Prasanth	ECE			
	Keerthana	ECE			
9	Maiderkari Akash Kumar	EEE	I Tech Shoe	3,00,000	Prof. Sridhar E
	Gopal M V	EEE			
10	Sai Krishna Kubera	Alumni	BIO World	3,00,000	Dr. Yadavalli Basavaraj
	Nandeesh	Alumni			
	Srinidhi	Alumni			

Number of research papers per teachers in the Journals notified on UGC website during the year

S N	Title of the Research Paper	Dept.	Name of the faculty	Publication
1	Tetra chlorobenzoxazolamine nickel (II) phthalocyanine super capacitor with aqueous electrolyte and MWCNTs	Chemistry	Mr. Sharana Kumar T M	Chemical Papers
2	Novel Schiff Base Cobalt (II) Phthalocyanine with Applianc of MWCNTs: Enhanced electro catalytic activity behaviour of α -amino acids	Chemistry	Mr. Sharana Kumar T M	RSC Advances
3	Tetra(amidobenzylpiperidine) Cobalt(II) phthalocyanine Based Electrochemical Sensor for the Detection of Paracetamol	Chemistry	Mr. Sharana Kumar T M	SSRN Electronic Journals
4	Novel Phthalocyanine: Sensitive and Enhanced Electro Catalytic Behavior of 3-Aminophenol on Decorated GCE	Chemistry	Mr. Sharana Kumar T M Dr. Suresh	SSRN Electronic Journals
5	Enhancement Supercapcitive Behaviour of Cobalt (II) tetra sulfanilamide Phthalocyanine with composite rGO on modified GCE	Chemistry	Mr. Sharana Kumar T M	Asian Journal of Chemistry
6	New peripherally Tetra 1-amino-2-naphthol-4-sulfonicacid substituted cobalt phthalocyanine: Synthesis, Characterization and Electro Catalytic Studies on the Oxidation of o-Aminophenol	Chemistry	Mr. Sharana Kumar T M Dr. Suresh	Rasayan Journal of Chemistry
7	Ground Water Quality Assessment Using GIS	CIVIL	Md Khalid S	SSRG International Journal Of Geo Informatics & Geological Science
8	Ground Water Quality Assessment Using GIS	CIVIL	Manjunath Swamy	SSRG International Journal Of Geo Informatics & Geological Science
9	Ground Water Quality Assessment Using GIS	CIVIL	Dr H Mahabaleshwar a	SSRG International Journal Of Geo Informatics & Geological Science
10	Ground Water Quality Assessment Using GIS	CIVIL	Anil Kumar H M	SSRG International Journal Of Geo Informatics & Geological Science
11	Evaluating The Impacts Of Climate Change On Thunga River Basin Karnataka	CIVIL	Manjunath Swamy	SSRG International Journal Of Geo Informatics & Geological Science

12	Abstraction of C Program from Algorithm	CSE	Dr. R N Kulkarni Mrs. Shenaz Begum	Advances in Intelligent Systems and Computing (Springer)
13	Ameliorated Methodology to Meta Model UML Sequence Diagram in the Table Format	CSE	Dr. R N Kulkarni Mr. C. K. Srinivasa	International Journal of Advanced Networking and Applications
14	Abstraction of UML Class Diagram from the Input Java Program	CSE	Dr. R N Kulkarni Mr. P. Pani Rama Prasad	International Journal of Advanced Networking and Applications
15	A Novel Approach to Restructure the Input Java Program	CSE	Dr. R N Kulkarni	International Journal of Advanced Networking and Applications
16	Re-imaging the future of sentiment analysis- A review	CSE	Dr. Aradhana D Mrs. Tejashwini S G	Solid State Journal
17	RAAC: Robust and auditable access control with multiple attribute authorities for public cloud storage	CSE	Dr. T.R. Muhibur Rahman	Journal of Interdisciplinary Cycle Research
18	Recognition of Stress using Face Image and Facial Landmarks	CSE	Mrs. Chandini M S	International Advanced Research Journal in Science, Engineering and Technology
19	A Feature Selection Framework for Granular Parakeratosis Lesion Detection	CSE	Mrs. Sheetal J	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
20	Design and Implementation of Private Social Network	CSE	Mr. Md. Shafiulla	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
21	A Feature Selection Framework for Granular Parakeratosis Lesion Detection	CSE	Mrs. Sheetal J	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
22	Voice Based Email for Blind People	CSE	Dr. Jagadish R M	International Research Journal of Science Engineering and Technology
23	Cross Layered Design and RF Energy Harvesting Techniques: A Survey	CSE	Dr. Rajashree V. Biradar	International Journal of Engineering Research & Technology (IJERT)

24	Realization of Parallelism in a Sequential Legacy "C" Program	CSE	Dr. R N Kulkarni	International Journal of Recent Technology and Engineering (IJRTE)
25	Spam Detection in Twitter	CSE	Mr. Girish Kumar D	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
26	Character Recognition System for Handwritten English Alphabets	CSE	Mr. Dadapeer	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
27	A Review On Maintenance Techniques For Industrial Equipment And Its Machine Learning Algorithms	ECE	Ulaganathan J	International Journal Of Advanced Research In Engineering & Technology (IJARET)
28	PUSR: Position Update Secure Routing protocol for MANET	ECE	Mallikarjuna A	International Journal of Intelligent Engineering & Systems
29	A Review On Maintenance Techniques For Industrial Equipment And Its Machine Learning Algorithms	ECE	Dr K M Sadyojatha	International Journal Of Advanced Research In Engineering & Technology (IJARET)
30	PUSR: Position Update Secure Routing protocol for MANET	ECE	Dr. V.C. Patil	International Journal of Intelligent Engineering & Systems
31	A Computational Modelling and Algorithm Design Approach of Digital Watermarking in Deep Neural Networks	ECE	Dr. U. Eranna, Kavitha R S	Advances in Science, Technology and Engineering Systems Journal
32	Technique for Decoupling of Dynamic Power for Three Phase System Under Unequal Grid Voltage	EEE	Rajeshwari. G, K. Narasimhulu, Abdul Khadar	ITEE Journal
33	A Modified Seven Level Cascaded H Bridge Inverter	EEE	Shashidara. B, Abdul Khaddar.A K. Narasimhalu	ITEE Journal
34	A Single-Phase Grid-Connected Photovoltaic Inverter Supported With a Three-Switch Three-Port Flyback with Series Power Decoupling Circuit	EEE	Chandan K.R	International Journal of Research
35	VI Temperature Index Of Certain Archimedean Lattice	Mathematics	Manjunath M	South East Asian Journal of Mathematical Sciences

36	Bounds For The Sum Of Cubes Of Vertex Degrees Of Splice Graphs	Mathematics	Manjunath M	TWMS, Journal of Applied Engineering Maths
37	A study on Empirical effect of Duality role of CEO's & Chairman on stock prices	MBA	Dinesh K Dr. Janet Jyothi D'Souza	JSSGIW Journal of Management
38	Mergers And Acquisitions - A Conceptual Review	MBA	Devika Rani P.	Turkish Journal of Physiotherapy and Rehabilitation
39	Study on the Evaluation of Customer Disposition towards Nandini Milk and Milk Products	MBA	Dr. Christopher Raj D, Dinesh K, Krishna Priya. B	International Journal of Enhanced Research in Management & Computer Applications
40	Impact of Muhurat Diwali Trading on Indian Stock Index Returns	MBA	Dinesh K, Dr. Janet Jyothi Dsouza, M Sai Nikitha	International Journal of Enhanced Research in Science, Technology & Engineering
41	Financial Statement Analysis of Karnataka State Financial Corporation	MBA	Dr. Janet Jyothi D Souza ¹ , Prof. Dinesh K & Madhubala H	International Journal of All Research Education and Scientific Methods (IJARESM)
42	FEA Of NX-11 Unigraphics modelled connecting rod using different materials	Mechanical Engineering	Dr. Yadavalli Basavaraj	Materials today
43	Optimization of process parameter for turning machine using taguchi super ranking method: A case study in valve industry	Mechanical Engineering	Mr. Pavan Kumar B.K	Materials today: proceedings
44	Wear analysis of Al7075 alloyed with nano B4C: A taguchi approach	Mechanical Engineering	Mr. Manjunatha T H	Materials today: proceedings
45	Investigation on mechanical and micro structural characteristics of Zn alloy MMC for bearing application	Mechanical Engineering	Mr. Santosh Janamatti	Materials today: proceedings
46	Microstructural And Mechanical Properties Of Zn85-15sn Alloy With Nano B4c Reinforced Composites	Mechanical Engineering	Mr. Santosh Janamatti	Journal Of Critical Reviews
47	Mechanical characterization and wear behavior of aerospace alloy AA2124 and micro B4C reinforced metal composites	Mechanical Engineering	Dr. V Venkata Ramana	Journal of Metals, Materials and Minerals
48	Two FSP Synthesis Of Eight Link Gear Mechanism For Motion Generation With 9R-1G Joints	Mechanical Engineering	Dr. U. M. Daivagna	International Journal of Engineering Applied Science and Technology (IJEAST)
49	Kinematic Synthesis of In-Line Ten Link Gear Slider Mechanism	Mechanical Engineering	Dr. U. M. Daivagna	International Research Journal of Engineering

	of Variable Topology with 12R-1G-1P Joints			and Technology (IRJET)
50	Study of Characteristic Behavior of Synthesized Variable Topology Mechanism using Linkage Software	Mechanical Engineering	Dr. U. M. Daivagna	GIS SCIENCE JOURNAL
51	Functional Aspects of Synthesized In-Line Ten Link Gear Slider Mechanism of Variable Topology using Linkage Software	Mechanical Engineering	Dr. U. M. Daivagna	International Research Journal of Engineering and Technology (IRJET)
52	Possible Configurations and Coupler Curves of Eight Link Gear Variable Topology Mechanism in Phase III Operating Condition	Mechanical Engineering	Dr. U. M. Daivagna	International Research Journal of Engineering and Technology (IRJET)
53	Alternative Approaches in Variable Topology as Applied to Degree(s) of Freedom and Modes of Operation in Mechanisms	Mechanical Engineering	Dr. U. M. Daivagna	International Journal of Advances in Engineering and Management (IJAEM)
54	Transmission Angles in Synthesized Eight Link Gear Mechanism of Variable Topology with Characteristic Output	Mechanical Engineering	Dr. U. M. Daivagna	International Journal of Engineering Sciences & Research Technology (IJESRT)
55	Solid Edge 3D Model of Synthesized Eight Link Gear Variable Topology Mechanism	Mechanical Engineering	Dr. U. M. Daivagna	International Journal of Computer Techniques (IJCT)
56	Kinematic Synthesis of 3R-1P Geared Slider Crank Mechanism with Variable Topology Features for Motion Generation	Mechanical Engineering	Dr. U. M. Daivagna	International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)
57	Solid Edge 3D Model of Synthesized In-Line Ten Link Gear Slider Variable Topology Mechanism	Mechanical Engineering	Dr. U. M. Daivagna	International Research Journal of Engineering and Technology (IRJET)
58	Solid Edge 3D Model of Synthesized Geared Slider Crank Mechanism with Variable Topology Features	Mechanical Engineering	Dr. U. M. Daivagna	International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT)
59	Strontium arsenate doped conducting polyaniline matrix as gas sensor	PHYSICS	Machappa. T Badrunnisa. S.	Journal of Physics: Conference series
60	Dielectric properties and AC conductivity of PIn and PIn/CO ₃ O ₄ composites	PHYSICS	Raghavendra B, T. Sankarappa, Amarkumar Malage	Materials Today Proceedings

61	AC conductivity dielectric studies polypyrrole wrapped tungsten disulphide composite	PHYSICS	A. Sunilkumar S. Manjunatha, Y. T. Ravikiran, M. Revanasiddappa M. Prashanthkumar T. Machappa	Polymer Bulletin
62	Structural and AC electrical properties of tungsten disulfide embedded polyaniline composite	PHYSICS	S Manjunatha, M Megha, B Chethan, M. Prashanthkumar Y T Ravikiran, Machappa T	Journal of materials engineering and performance
63	Zinc tungstate doped polyaniline as room temperature humidity sensing Composite	PHYSICS	Machappa. T. Badrunnisa. S. M.V.N. Ambika Prasad	Journal of Physics: Conference series

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during year

S N	Name of the teacher	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Md Khalid S	Ternary Blended geo-polymer concrete - A review	IOP Conf. Series: Earth and Environmental Science	International Conference On Contemporary & Sustainable Infrastructure (ICCSI-2021)	International	2021	822 (2021) 012043	BITM	IOP
2	Md Khalid S	Strength & Durability Properties Of Ternary Blende Geo-polymer Concrete	MATERIAL TODAY PROCEEDINGS	5 th International Conference on Advanced Research in Mechanical, Materials and Manufacturing Engineering-2021	International	2021	2214-7853	BITM	ELSEVIER
3	Tanu H M	Ternary Blended geo-polymer concrete - A review	IOP Conf. Series: Earth and Environmental Science	International Conference On Contemporary & Sustainable Infrastructure (ICCSI-2021)	International	2021	822 (2021) 012043	BITM	IOP
4	Tanu H M	Multi-storey building analysis and its behaviour of shear wall location underneath completely different seismic zones	IOP Conf. Series: Earth and Environmental Science	International Conference On Contemporary & Sustainable Infrastructure (ICCSI-2021)	International	2021	822 (2021) 012043	BITM	IOP
5	Nirmala M.V.	Multi-storey building analysis and its behaviour of shear wall location underneath completely different seismic zones	IOP Conf. Series: Earth and Environmental Science	International Conference On Contemporary & Sustainable Infrastructure (ICCSI -2021)	International	2021	822 (2021) 012043	BITM	IOP
6	Pavan Kumar B K	Optimization of vibration based condition monitoring of Motor drive end using Taguchi technique: A case study on Milling machine		4 th International conference on Inventive Material science and applications (ICIMA-2021)	International	2021		BITM, Ballari	Springer
7	Pavan Kumar B K	Optimization of process parameter for	Materials today:	International conference on materials and	International	2021	2214-7853	BITM, Ballari	Elsevier

		turning machine using taguchi super ranking method: A case study in valve industry	proceedings	system Engineering (ICMSE-2021)					
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No. of teachers undergoing online/ face to face Faculty development programmes(FDP) during the year (Professional Development Programmes, Orientation/Induction Programme, Refresher Course, Short Term Course during the year etc..) 315

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.

Capability enhancement and development schemes such as; 1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. ICT/computing skills

Name of the capability enhancement program	Date of implementation	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
English Communication Training via ELL Scholar Software in the language lab for the first year B.E. students	04.02.2021	600	English Department, BITM
Aptitude and Soft skills Training	08.03.2021	467	Innovation Unlimited Solutions and Skill Factory
Wipro Talent Next Programme	27.07.2020	303	Wipro Certified Faculty
Python using INFYTQ Platform	01.08.2020	70	CSE Department, BITM
Sparkle - C 2020	02.08.2020	180	CSE Department, BITM
In-house C-Programming Training	08.03.2021	467	CSE Department, BITM
How to use Quantum Learning - The centre of Excellence	24.05.2021	171	CSE Department, BITM

Collaborative activities for research, faculty exchange, student exchange during the year

Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year						
Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration	Nature of the activity
1	Internship	J/Q Spiders Mr. Girish - 9845596908	Aishwaraya Reddy Manikanta Reddy	2020-21	4 Weeks	Skill Development in the area of Python programming,Java Programming,Machine Learning

			P Aishwarya+325 others			
2	Research & IPR	Embware Labs Pvt. Ltd. Mr. Praveen - 6361879197	Dr. R N Kulkarni Dr. Yadvalli Basavaraj Dr. B S Khened Dr. V C Patil Mr.Prithviraj Y	2020-21	1 Day	Intellectual Property Rights

Number of functional MoU's with institutions, other universities, industries, corporate houses etc. during the year

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MOU year wise	Number of students/ teachers participated under MoU's
QSPIDER	BITM, Ballari	03-01-2021	1 year	Internship	328
Automation Anywhere	BITM, Ballari	06-01-2019	3 years	-	-
Quantum Learning	BITM, Ballari	03-12-2021	1 year	Faculty Development Program	2
Dr. Soetomo University	BITM, Ballari	2020-2021	5 years	5 Days International Academic Summit	400

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

Number of students benefited by scholarships and free ships provided by the Government during the year

Year	Name of the scheme	Number of students benefited by government scheme and amount		Number of students benefited by the institution's schemes and amount	
		Number of students	Amount	Number of students	Amount
2020 - 21	SC	336	1,38,85,880.00	243	33,22,000.00
2020 - 21	ST	199	72,22,330.00		

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

Year	Name of the Activity conducted by the HEI to offer guidance for competitive examinations offered by the institution during the year		Name of the Activity conducted by the HEI to offer guidance for career counselling offered by the institution during the year		Number of students placed through campus placement
	Name of the Activity	Number of students attended / participated	Details of career counselling	Number of students attended / participated	
2020-21	-	-	Hybrid Electric Vehicle Technologies (Basics)	156	-
	-	-	How to get placed in product based company	100	-

	-	-	Job Opportunities for Engineers as fresher's	255	-
	-	-	Expert Webinar on preparation for virtual interviews	204	-

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.

Training, Placement, Higher Education & Competitive Examinations:

Institution has successfully placed **356** 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 **5** 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. **12** 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 and cultural activities / competitions organised at the institution level during the year

Date of Event	Name of the event/activity	No. of Participants
27.02.2021	Dance	20
27.02.2021	Fashion Show (Patriotic)	20

BITM Alumni Association:

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 510 alumni students were enrolled.

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

ALUMNI MEET

MEETING WAS ORGANIZED BY BITM ALUMNI ASSOCIATION(R) DURING THE YEAR 2019-20.

ONLINE ALUMNI MEET NAMELY PUNARMILANA WAS ORGANISED ON 14.12.2019

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 09.00 A.M to 10.00 PM on all working days, during Vacations from 09.00 am to 05:30 pm.

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	98,918	2,32,98,566	653	2,32,012	99,571	2,35,30,578
Reference Books	10,864	24,76,330	91	37,567	10,955	25,13,897
e-Books	11,111	4,60,000	11,111	--	11,111	4,60,000
Journals	-	24,09,140	49	1,99,015	49	26,08,155
e-Journals	-	1,97,00,366	1,681	28,39,750	1,681	2,25,40,116
Digital Database	-	-	04	-	04	-
CD	3,572	-	-	-	3,572	-
Video	205	-	-	-	205	-
Library Automation	01	2,62,140	-	-	01	2,62,140
Weeding (Hard & Soft)	3,525	91,990	172	6,055	3,697	1,52,490
Others (specify)	-	-	-	-	-	-

- The library has a collection of 99,571 volumes of Books with 10,955 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 6.2a Version Web based software and collections are Barcoded.
- 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: Elsevier, Springer Nature, Taylor & Francis, Emerald, Knimbus-Digital Library, Knimbus-Remote access, Turnitin, NetAnalytics. 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, McGraw Hill, Packt, New Age International, total collection of books e-books would be downloaded from internet through dedicated Central Computing Centre.
- Digital library upgraded with data of VTU e-Learning Video lectures, and PDF from VTU E-learning, Mysuru.
- Library has 24x7 Security with Closed Circuit Television System (CCTV).

Facilities at BITM

- * 968 Nos. Computers have been provided in all the Depts./ Labs with LAN System. 200 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.

Faculty Empowerment Strategies

Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies.

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020-21	Mr. Pavan Kumar B K	International Conference On Materials And System Engineering	SJB Institute Of Technology Bengaluru	5000
2020-21	Mr. Gavisiddesha P	Sustainable Machining Strategies For Better Performance	NMAM Institute Of Technology	5000
2020-21	Santosh Janamatti	Teaching And Learning Of Additive Manufacturing Technology Emphasis On Metal 3d Printing	Nit Warangal	750
2020-21	Santosh Janamatti	International Conference On Materials And System Engineering	SJB Institute Of Technology Bengaluru	5000
2020-21	Maharaja Gowda	Studies On Bottom Ash Strengthened Lm13 Composite	Materials Today: Proceedings	6000
2020-21	Manjunath T H	International Conference On	1760	5000

		Materials And System Engineering		
2020-21	Dr. Machappa T	First International conference on Advances in Physical sciences and Materials (ICAPSM 2020)	IOP: Journal of Physics Conference Series (IPCS)	5000
2020-21	Dr. Machappa T	2021 First International Conference on Advances in Smart Sensor, Signal Processing and Communication Technology (ICASSCT 2021)	IOP: Journal of Physics Conference Series (IPCS)	5000
2020-21	K Dinesh	National Multidisciplinary E-Conference On Vocal For Local	JUNI KHYAT	1800
2020-21	Dr. Shaheeda Banu S	International Multi-disciplinary Conference In Science Technology, Business, Management And Liberal Arts 2021	MTC Global And Dhaka International University	1000
2020-21	Sharanakumar TM	Paper Publication registration charges for Rasayan Journal Chemistry paid to Sharanakumar T M Asst Professor Dept of Chemistry	BITM, Ballari	5000
2020-21	Mr.Sreenivasa M	Training @ NITTT	NITTT, Chennai	10000
2020-21	Dr. R N Kulkarni	Application fee for Patent	Chennai	7150
2020-21	Mallikarjuna A	NPTEL Exam-Speaking Effectively	BITM, Ballari	925
2020-21	Ranjit Pyati	NPTEL Exam-Speaking Effectively	BITM, Ballari	
2020-21	Mallikarjuna A	IJIES- Paper Publication Charges	BITM, Ballari	5,000
2020-21	Dr. Naseeruddin	Patent Application	Govt. of India -Chennai	1,760
2020-21	Dr. Naseeruddin	IP Publication	Embware	5,000

2020-21	Santosh Janamatti	Paper publication in Scopus Indexed Journal	Journal of Critical Review	4,500
2020-21	Immaculate Joseph Kirthika	Paper Publication In Scopus Indexed Journal Titled "A Competency-Based Performance Improvement Strategy For Successful Results In The Present And Future Job Roles"	Seybold Report	2,500
2020-21	Renuka S	Paper Publication In UGC Care Listed Journal Shodh Sanchar Bulletin Titled "Mergers And Acquisitions In Banking Industry"	Empyreal	3,000
2020-21	Devika Rani P	Paper Presentation In National Conference Titled "Mergers And Acquisitions- A Conceptual Review"	The Quaide Milleth College For Men, Chennai	3,500
2020-21	Dr. Janet Jyothi Dsouza	Students Papers Publication Charges	ER Publications, Rohtak	40,000
2020-21	Mohammed Farzana Begum	NITTT-AICTE Training Course Fees		3,000
2020-21	K. Girish Kumar	NITTT-AICTE Training Course Fees		3,000
2020-21	Divya Bharathi	NITTT-AICTE Training Course Fees		3,000
2020-21	Suraj Vasant Yadahalli	FDP on Indian knowledge system in Contemporary Education & Practices	Cuttack, Odisha	1,000
2020-21	Mallikarjuna A	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Usman K	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100

2020-21	A. Venkateshwar	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Swathi D V	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Sridhar S K	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Prathibha Mishra	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	T R M Rahman	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Virupaksha Gouda R	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	C K Srinivas	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Aradhana D	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100

2020-21	Shwethashree A	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Sreenivasa M	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Hari Krishna	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Dr. R N Kulkarni	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Dr. B M Vidyavathi	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Dr. R V Biradar	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Kiran Mudaraddi	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Girish Kumar D	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100

2020-21	P Pani Rama Prasad	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Sudhakar Avareddy	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Hayath T M	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Jagadish R M	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Aishwarya R Nayaka	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Bimanna	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Jagadevi P	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Dadapeer	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100

2020-21	Pooja Kulkarni	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Srisailanath	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Tejashwini SG	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Anita Patil	Exemplary Practices in Teaching- Learning and Evaluation of Course in Computers Science & Information Technology	IIT- Alahabad	100
2020-21	Dr. Naseeruddin	Patent Application Fee	Chennai	1,760.00
2020-21	Dr. Abdul Khadar	Patent Application Fee	Chennai	1,760.00
2020-21	Dr. Raghavendra Joshi	Patent Application Fee	Chennai	1,760.00
2020-21	Dr. R. N. Kulkarni	Patent Application Fee	Chennai	1,760.00

Professional development / administrative training programmes organized by the College for teaching and non-teaching staff.

Date	Title of the professional development program organized for teaching staff	Title of the administrative training program organized for non-teaching staff	No. of participants
17-4-2021 To 21-04-2021	Five days online FDP on "Cadence VLSI design for beginners and advanced users" organized online by Electronics and Communication Engineering department.	--	46
4-3-2021 to 6-6-2021	Three days online FDP on "Investing with Confidence during Pandemic" organized online by the MBA department	--	123
12-3-2021		--	185

	FDP on “Importance of E-Resources in Teaching, Learning and Research” organized by Department of Library and Information Centre in collaboration with VTU-Consortium and ISTE.		
10-11-2020 to 14-11-2020	Five days online FDP on “Internet of Intelligent of Things and Machine Learning” organized online by Electronics and Communication Engineering department.	--	203
04-12-2020	A workshop on “Turnitin in plagiarism Originality check Online” organized online by the Department of Library and Information Centre.	---	108
5-10-2020 to 09-10-2020	FDP on “A paradigm Shift in Management” organized online by Mechanical Engineering Department.	--	183
08-07-2020	Webinar on “Overview of Graphene - A Prospective Material” organized online by Mechanical Engineering Department.	---	79

Teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year 2020-21

No. of professional development programme	Number of teachers attended
202	315

Quality Initiatives undertaken

SN	Name of the programs
1	Five days online FDP on “Cadence VLSI design for beginners and advanced users” organized online by Electronics and Communication Engineering department.
2	FDP on “Importance of E-Resources in Teaching, Learning and Research” organized by Department of Library and Information Centre in collaboration with VTU-Consortium and ISTE.
3	Five days online FDP on “Internet of Intelligent of Things and Machine Learning” organized online by Electronics and Communication Engineering department.
4	FDP on “A paradigm Shift in Management” organized online by Mechanical Engineering Department.
5	Webinar on “Overview of Graphene - A Prospective Material” organized online by Mechanical Engineering Department.

BEST PRACTICES**Best Practice 1:****Title of the Practice:**

Effective Online Teaching Methodologies

Objectives of the Practice:

To train all Faculty for Effective usage of Microsoft Teams for Online Teaching, Learning & Assessment.

The Context:

Due to the Second Covid19 pandemic the entire Even Semester Academic was delivered through an Online mode.

The Practice:

Faculty feedback of previous academic was analyzed by the IQAC cell wrt online teaching and was noted that faculty faced lot of difficulties in using the Microsoft Teams platform for Online Teaching, Learning and Assessment. To overcome the same and Faculty development program on "Effective Online Teaching Methodologies" was organized by Prof. Prithviraj Raj YJ & Dr Vijay Kumar to all the faculty members of institution wrt Microsoft Teams & usage of Digital Writing Pads. Hands on sessions were conducted and a ready reckoner to use all the features of Microsoft teams & Digital writing pad for effective online teaching and learning. Digital writing pads was provided to all the Mathematical oriented subjects for effective delivery.

Evidence of Success:

The final year students appeared for the VTU Offline exams and the pass percentage was at 98.4%.

The learning outcomes of 1st/2nd and Prefinal year students was met.

Problems Encountered and Resources Required:

Faculty teaching mathematical subjects faced initial difficulty in using the online tools. To mitigate this Digital Learning Pads were procured and used for effective delivery.

Notes (Optional):

The Institution continues to use the features of Microsoft Teams for online seminars and webinars too.

Best Practice 2:**Title of the Practice:**

Effective Placement Support and Training for Students by using Superset TNPSuite Mobile App

Objectives of the Practice:

To Support Students remotely for placement activities by tracking the placement progress of each student.

The Context:

Due to pandemic there was an urgent need to support the 2020-21 passing out students wrt placements on an online platform to schedule training, track and monitor the placement activities.

The Practice:

The placement committee unanimously approved Superset TNP Suite Mobile App (Android/iOS) by Greek Turtle Technologies Ltd. The App Provides feature such as creation of student profile, allocation to placement mentors, posting of job profile, schedule of placement training and result of the campus selections. 650+ students downloaded the app and continuous push notifications were sent w.r.t placement activities. This enabled the placement team to continuously monitor the progress of each graduate and accordingly train, track and place them in top notch companies. The institution procured this platform and was delivered to the students at a free of cost.

Evidence of Success:

538 Under Graduate Students were selected and 101 PG Students were selected with a Highest Salary of 16.20 LPA and an Average Salary of Rs. 4.50 LPA in top-notch companies. The placement cell had set a target of 450 placements for academic year 2020-21 and the target was met beyond the expectations with 639 placements.

Problems Encountered and Resources Required:

Student and Placement Coordinators faced lot of difficulty in adopting to this new app. However, this was mitigated by giving an online training and hand holding them at every step.

Notes(Optional):

The Institution has actionized this best practice and continue to use the App for the 2021-22 final year students and also continue to support off campus for 2020-21 batch students.

INSTITUTIONAL DISTINCTIVENESS

In line with Vision, Mission, Quality Policy Objectives the Priority thrust is Promoting prosperity of stakeholders by expansion, excellence and equity for achieving rapid and inclusive growth for betterment of society the nation through effective teaching learning process. The institution founders envisaged the vision of providing competent skilled workforce to the society by imparting quality education and training for the overall development in the Hyderabad Karnataka backward region [article 371J] of Karnataka as per Dr. DM Nanjundappa Committee report. The institution being an ISO certified follows systematic educational practices with focus on producing quality engineers management students for the challenges of the changing world.

Some of the initiatives envisaged here as follows:

The institute specially emphasizes building strong bond between student teacher with clear emphasis on Outcome Based Education (OBE), Experiential Student Centric Learning. Institution has placed a special focus for bridging the gap between Industry and Academia through Industry Institution Interaction constant development of faculty as per the technological changes. A wide variety of teaching and learning techniques are employed to impart knowledge and skills to the students. The campus facilities are continuously augmented and strengthened with due care for environment. Innovation Labs, Incubation Centres, CoE's and state of the art laboratories in collaboration with industry give the necessary platform for the students to become industry ready. The Institution has consciously put strong emphasis and close monitoring of the student through proctoring mentoring. Remedial Classes, Career Guidance, institutional sponsorship for internal external curricular, co-curricular extracurricular activities, parent teacher's meetings, and alumni meet along with extension activities give a wholesome education that enables to compete and contribute to the society.

The institute has maintained Good campus placements. The departments Laboratories are equipped with state of the art equipment infrastructure facilities. The institute strength is Student-Teacher Bond, Qualified Experienced faculty with special focus on students from rural backgrounds. Due care and Encouragement is given through various clubs, student chapters forums for promoting Research, Innovation entrepreneurship for staff students. The outcome of effective teaching learning process can be measured through placements, university rank holders alumni who had an impact on the society through their contribution to the society the institution.

Institution has given a tremendous thrust for the skill development which has resulted in an average 356 students placed in 2019-20 in reputed multi-national companies. Noted placements in 2019-20 academic year are: Ms. Sneha K [2020 CSE] is placed in Adobe Systems with a CTC of Rs. 27.7 Lakhs per annum is the highest in the entire North Karnataka Region, Mr. Vineeth Kumar[CSE 2020] placed in Informatica with a Salary of 8.12 Lakhs PA,MS. Firdous Afreen [CSE 2020] is placed in TCS with a CTC of Rs 7.02 Lakhs PA 11 Students placed in Byjus with a CTC of Rs 10.00 Lakhs PA. Above is the testimony to the growing trust among the stakeholders including the society at large.

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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 carry out 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
- > Obituary Contingency
- > Fee Concession
- > Uniform Facility
- > Medical Facility
- > Salary Advance Amount
- > Career Growth
- > ESIC
- > Gratuity
- > Maternity Leave
- > Promotions
- > Publication Incentives
- > Ph.D. Contingency
- > Staff Association
- > 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, which assess the teaching and learning process in the institute and recommend the steps to be taken for improvements.

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

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

SN	Plan of Action	Achievements / Outcomes
1	To Improve the academic result	Conducted extra coaching classes for the students. Results are improved by two percent compared to previous year
2	To Improve and placements	Total students placed in the year 2019-20 are 356. To improve the placements, Training and placement cell conducted soft skill and Aptitude trainings for the students. More than 500 students are placed in different companies compared to previous year
3	To Increase value added courses	Staff attended online value added courses and certified
4	To Conduct academic audit of all departments	Conducted Academic and Administrative audit of all the departments from outside expert members

5	To Encourage staff to attend/conduct workshops/conferences	Because of Covid pandemic staff attended online FDP's/ conferences/workshops
6	To vaccinate all the students	Vaccination drive was conducted for staff and students in the campus. All the staff and students are vaccinated.

Extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Name of the activity	Organizing unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
Voluntary Blood Donation Camp	BITM NSS Unit in association with Indian Red Cross Society, VIMS-Ballari, DAPCO & RED RIBBON CLUB	Blood Donation Camp	2020-21	239
Free Vaccination Camp:COVID-19	BITM NSS Unit in association with Ballari district administration and Kuditini Health Care Centre	Vaccination Camp	2020-21	332
Snake Awareness – "Snake Identification & what to do when you spot a Snake " Myth Busters & Facts	BITM NSS Unit	Awareness Program	2020-21	103
32 nd TRAFFIC AWARENESS DAY	BITM NSS Unit in association with RTO, Ballari	Awareness Program	2020-21	269

Awards and recognition received for extension activities from Government and other recognized bodies during the year 2020-21

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognized bodies	Year of award
Blood Donation Camp	Appreciation Letter	KSAPS - BALLARI	2020-21

Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

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Principal
Ballari Institute of Technology & Management
BELLARY