



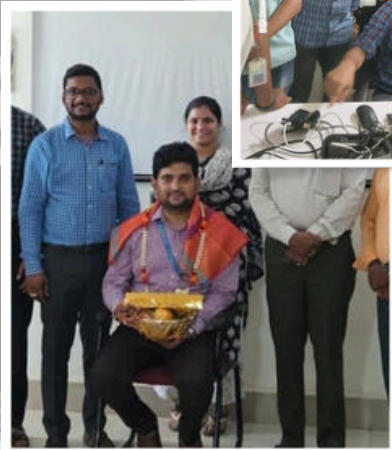
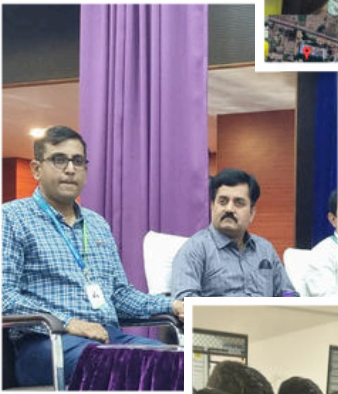
BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT



Autonomous Institution under VTU, Belagavi



2K23-24



BHCCMKA

“Everybody is talented because everybody who is human has something to express.”

**TUNGABHADRA EDUCATION HEALTH &
RURAL DEVELOPMENT TRUST (R) (T.E.H.R.D)**



**Dr. S.J.Venkata Mahipal
Trustee**



**Dr. Yashvanth Bhupal
Chairman**



**Sri. S.B.Ashok Bhupal
Trustee**



**Prof.Prithviraj.Y.J
Director**



**Dr. V.J. Bharath, MBBS,
D.Ortho, Trustee**



**Sri. Amar Raj Bhupal,
BA, LLB, LLM, Trustee**

**BALLARI INSTITUTE OF TECHNOLOGY
AND MANAGEMENT**



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 provide quality education to students of Ballari. It was her deep conviction that education needs to be a joyful experience that facilitates the growth and transformation of young minds at their impressionable age and fortifies them with the knowledge and skills required to face the challenges of a competitive world.

She actively participated in politics in the year 1957, and her experience is as follows:

- Member, Karnataka Legislative Assembly: 1957-1972
- Deputy Minister, Social Welfare & Minor Irrigation, Karnataka
- Member, Karnataka Legislative Council: 1980-1983
- Member of Parliament (8th, 9th & 10th Lok Sabha) from the Ballari Constituency: 1984
- Union Minister of State for Women & Child Development: 1993-1995
- In 1995, as a Union Minister, she represented India at the World Women's Conference in Beijing, China.
- Participated in SAARC meetings and traveled extensively, addressing audiences in several foreign countries.
- Chairperson, Tungabhadra Education Health & Rural Development Trust (R), Ballari



Dr. Yashvanth Bhupal Chairman

The prestigious Ballari Institute of Technology & Management (BITM), since its inception in 1997, has made remarkable progress by following a student-centric approach, whether in academics or extra-curricular activities. The institute possesses state-of-the-art infrastructure with well-equipped laboratories, a well-stocked library, and highly qualified faculty. At BITM, we introduce our students to Outcome-Based Education and train them with skills across various disciplines. In addition to developing excellent scientific and engineering skills, students are motivated not only to dream big but also encouraged to think unconventionally, face future challenges, and explore opportunities for entrepreneurship. It has been our constant endeavor to instill ethical values in our students, thereby shaping them into socially responsible citizens. The institution has consistently upheld quality and excellence and strives to excel further in the years to come. As Zoey Seward says, “Don’t wait for the perfect moment. Take the moment and make it perfect!” We prepare our students to make the best out of every opportunity. Guided by the institution's vision and mission, we believe in Imagine-Invent-Inspire... shaping dynamic individuals in society. As the saying goes, “Teamwork makes the dream work.” At BITM, we have a committed team that is continuously responsible for achieving the institution's vision and mission, under my personal guidance. I take this opportunity to affirm that every effort is made to enhance our services for the welfare of the institution and the growth of our students.



Prof. Prithviraj Y. J
HON-Secretary, T.E.H.R.D. Trust
Director (Administration, Planning)

Prof. Prithviraj Y. J., Deputy Director, BITM, Bellary, has completed his B.E. in Computer Science & Engineering from MIT, Manipal, and a Master's in CSE from the Royal Melbourne Institute of Technology, Melbourne, Australia. He worked at Infosys Ltd. as a Software Architect and Engineer for a period of three years, during which he gained experience in the Retail domain, Supply Chain, and Logistics. He has also undergone certification in Project Management from Boston University. Under his vision, BITM has collaborated with several industries and established Technology Learning Centers, Centers of Excellence, and finishing schools in partnership with various multinational companies. He is actively involved in the overall development of the institution and is a strong believer in outcome-based education.



Dr. Yadavalli Basavaraj
B.E, M.Tech, Ph.D
Principal, BITM

Dear Students, we have come a long way since 1997, with dreams to fulfill, heights to reach, and responsibilities to carry out. Nothing succeeds like success. To succeed in life, one can't be ordinary but should strive to be extraordinary. To be extraordinary, one should join an institution with a commitment to excellence. Ballari Institute of Technology & Management (BITM) is an institution dedicated to students' aspirations for excellence in technical education. The motto of our institute is "Commitment to a relentless pursuit toward imparting quality education to meet the ever-changing requirements of today's industry by continuously streamlining and updating students." Apart from delivering excellent academic content and skill development through practical experiences, students are encouraged to develop an entrepreneurial mindset. Various methodologies are adopted to ensure they are "made ready" for the diverse opportunities and challenges they may face with confidence. Through mentorship for every 20 students, teachers assist them in resolving both academic and personal issues, inspiring them to achieve an excellent academic career and overall personal development. We maintain constant communication with parents, informing them of their wards' performance through regular correspondence and discussions. The placement of young, energetic, budding engineers is of prime importance to all of us. Systematic development in soft skills and confidence building through weekly programs is unique to our institute. Ultimately, our students will become holistic individuals. With good wishes...



Dr. B. S. Khened

B.E, M.Tech, Ph.D

Dean Aca. & Vice Principal

Dear Students, we have come a long way since 1997, with dreams to fulfill, heights to reach, and responsibilities to carry out. Nothing succeeds like success. To succeed in life, one can't be ordinary but should strive to be extraordinary. To be extraordinary, one should connect with an institution dedicated to excellence. Ballari Institute of Technology & Management (BITM) is an institution devoted to students' aspirations for excellence in technical education. The motto of our institute is "Commitment to a relentless pursuit toward imparting quality education to meet the ever-changing requirements of today's industry by continuously streamlining and updating students." Apart from delivering excellent academic content and skill development through practical experiences, students are encouraged to cultivate an entrepreneurial mindset. Various methodologies are adopted to ensure they are "made ready" for diverse opportunities and challenges with confidence. Through mentorship for every 20 students, teachers assist them in resolving both academic and personal issues, inspiring them to achieve excellent academic careers and overall personal development. We maintain constant communication with parents, informing them of their wards' performance through regular correspondence and discussions. The placement of young, energetic budding engineers is of prime importance to all of us. Systematic development in soft skills and confidence building through weekly programs is unique to our institute. Ultimately, our students will become holistic individuals. With good wishes...



Dr.V.C.Patil

B.E, M.Tech, Ph.D

Dean R & D

I hope this message finds you in good health and high spirits. It gives us immense pleasure to announce and invite you to the grand celebration of our engineering college's Silver Jubilee.

It has been an incredible journey over the last 25 years, marked by growth, innovation, and countless achievements. To commemorate this significant milestone, we have planned a series of events and festivities that promise to be both memorable and meaningful.

Inaugural Ceremony: Our Silver Jubilee celebrations will kick off with a grand inaugural ceremony, featuring distinguished guests, alumni, and faculty members. We will reflect on the college's remarkable journey and share our vision for the future.

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Dr Renuka Sagar
Co-ordinator
(Bhoomika Magazine)



“Focus on the journey, not the destination. Joy is found not in finishing an activity, but doing in it.”

What is “BHOOMIKA”?

Bhoomika is an in-house magazine team of Ballari Institute of technology and Management it is an elegant collection of a vastly talented, impeccably creative, and hardcore squad of technical students of BITM.

The Recruitment Drive for Bhoomika is conducted every year during the even semester and the drive is open for students of all branches who are currently in 4th semester. Every year about 150 odd students take part in the drive and they are screened through different levels of assignments like written tests, group discussions, check for technical capabilities and finally, the short-listed candidates would be invited to the face-to-face interview with the panel comprising of chief coordinator Dr. Renuka Sagar and senior members of the team. Over this session, the panel will look through the candidate’s personality, communication skills, and various arenas. After the final round of assignments, the deserving candidates are inducted into the team by presenting the joining letter in the formal ceremony.

The name and fame of an institute depend on the caliber and achievements of the students and teachers. The role of a teacher is to be a facilitator in nurturing the skills and talents of students. Editing and designing a pile of articles with the thoughts of the zillion things that 'JUST HAD TO BE DONE'; this was the first of many such moments (hours)! Putting a magazine together was no cakewalk. I along with my editorial team members have spent sleepless nights to make this magazine stands out. So here we have “BHOOMIKA”, the long-awaited magazine of BITM for the year 2023- 2024. The name of the magazine, “BHOOMIKA” may seem difficult, but it just means “DEEP INSIGHT”, a clear vision. This magazine gives an insight into the way of life, their creativity, and activities. This magazine is a platform that exhibits the literary skills and innovative ideas of teachers and students. “BHOOMIKA” presents the hard work and dedication of students and contributions of teachers.

Thank You All !!!

Dr. Renuka Sagar

Co-ordinator (Bhoomika Magazine)

DEPARTMENT OF MATHS

Dr.N.Gururaj
Professor & HOD

Engineering is learned through the language of mathematics. Engineering mathematics is the art of applying mathematics to complex real-world problems. It combines mathematical theory, practical engineering, and scientific computing to address today's technological challenges.

Engineering is a creative and exciting discipline that spans traditional boundaries. Engineering mathematicians can be found in a wide range of careers, from designing next-generation Formula One cars to working at the cutting edge of robotics, from running their own businesses creating new autonomous vehicles to developing innovative indices for leading global financial institutions.

Teaching Faculty

S. No	Name	Designation	Qualification	Experience (In Years)
1	Dr.N.Gururaj	Professor - HOD	M.Sc, Ph.D	31
2	Dr.D.Shaik Meera	Professor & Asst. HOD	M.Sc, Ph.D	31
3	Dr . Pralahad Mahagaonkar	Associate Professor	M.Sc, Ph.D	23
4	Dr. Syed Mohiuddin	Associate Professor	M.Sc, Ph.D	23
5	Dr.Suneetha K	Assistant Professor	M.Sc, Ph.D	15
6	Mr. Veeresh S. M.	Assistant Professor	M.Sc, Ph.D	12
7	Dr. M. Karuna Prasad	Associate Professor	M.Sc, Ph.D	11
8	Mr. Swamy J S T	Assistant Professor	M.Sc.	10
9	Dr. Manjunath Muddalapuram	Assistant Professor	M.Sc, Ph.D	8
10	Dr. Sushilabai Adigond	Assistant Professor	M.Sc, Ph.D	5
11	Dr.Nagaveni K	Assistant Professor	M.Sc, Ph.D	3
12	Dr. Sushmita Jain	Assistant Professor	M.Sc, Ph.D	3
13	Ms. Tarapuram Likhitha	Assistant Professor	M.Sc.	1
14	Mrs. J Shalini	Assistant Professor	M.Sc.	1

Non Teaching Faculty

S. No	Name	Designation	Qualification	Experience (In Years)
1	Shivakumar M	Attender	S. S. L. C	10

DEPARTMENT OF PHYSICS

**Dr. Machappa. T**
Professor & HOD

The Department of Physics, established in 1997 and headed by Dr. Machappa T., M.Sc., Ph.D., caters to the basic foundation courses, Engineering Physics and Engineering Physics Lab, which are essential for any engineering stream. The department comprises six qualified and dedicated faculty members, including two doctorates in various specialized areas of physics. The faculty possess exclusive teaching and research skills, enhancing the students' learning curve. The Department of Physics is recognized as a research center by VTU, with two faculty members available for Ph.D. guidance and two research students working on conducting polymers. The department provides research facilities such as DC conductivity measurement using the two-probe and four-probe methods.

The Engineering Physics Laboratory is well-ventilated, spacious, and well-furnished, with 10 large experiment tables equipped with electrical points. The lab houses all experimental setups that meet VTU requirements, along with additional experiments to nurture students' experimental skills. The dark room is equipped with four large tables for performing light experiments, including spectrometers, Newton's rings, optical fibers, and semiconductor lasers. This lab can accommodate 30 students simultaneously for the effective conduct of practical sessions.

Teaching Faculty

SN	Name of the faculty	Designation	Qualification	Experience: No. of years in college	Number of research publications
01	Dr. Machappa. T	Prof. & HOD	M.Sc. Ph.D.	32	34
02	Dr. Vijaykumar	Prof	M.Sc. Ph.D.	35	
03	Dr. Sunil kumar A	Asso. Prof.	M.Sc. Ph.D.	13	
04	Mr. Raghavendra B	Asst. Prof.	M.Sc. B.Ed.	11	
05	Mis. Shruthi K M	Asst. Prof.	M.Sc.	10	
06	Mr. Amare Gouda	Asst. Prof.	M.Sc.	03	
07	Mis. Revathi U	Asso. Prof.	M.Sc.	01	
08	Mrs. Drakshayani B	Asst. Prof.	M.Sc.	01	
09	Mr. Ravi G	Asst.Prof	M.Sc	01	

Non-Teaching Faculty

SN	Name of the staff	Designation
01	Mr. K. Siddappa	Lab Attender
02	Mr. Amaresh N	Attender

Details of the Research Papers Published in Journals

S N	Title of the Research paper	Authors	Journal	Publishers	Volume	Issue	Year	Page No.	ISSN No.	Impact factor
1	Humidity sensing performance of Polyaniline-Neodymium oxide composites https://doi.org/10.1557/s43579-023-00336-3	L. B. Gunjal, S. Manjunatha, B. Chethan, N. M. Nagabhushana, Y. T. Ravikiran, T. Machappa, S. Thomas,	MRS Communications	Springer	20	20	2023	01-08	2159-6867 Scopus	2.935
2	AC electrical properties of transition metal dichalcogenide based polypyrrole composites https://doi.org/10.1007/s11696-023-02828-x	A Sunilkumar, S Manjunatha, Y T Ravikiran, T Machappa, Sabu Thomas	Springer International Publishing AG	Springer	77	5	2023	01-09	1336-9075 Scopus	2.146
3	Rare earth oxide based polypyrrole composite: An efficient room temperature reliant humidity sensor https://doi.org/10.1016/j.inoch.2023.110764	A. Sunilkumar, S. Manjunatha, B. Chethan, Y.T. Ravikiran, T. Machappa, S. Thomas	Inorganic Chemistry Communications	Elsevier	153	-	2023	110764	1387-7003 Web of Science	3.428
4	AC conductivity and dielectric behaviour of polypyrrole - Holmium oxide composites https://doi.org/10.1016/j.matpr.2023.05.027	A. Sunilkumar, S. Manjunatha, Y.T. Ravikiran, T. Machappa	Materials Today: Proceedings	Elsevier	xx	xx	2023	xx	2214-7853 Scopus	1.24

Details of Seminar / Conference / Workshop/ FDP , Attended

SN	Name of the Seminar / conference / workshop/ FDP, etc.	Institute / Organization	Date	Place	Attended / Presented	National / International
1	International FDP on "Research, writing and publishing in high impact journals"	Ballari Institute of Technology & Management, Ballari	7 th & 8 th Aug 2023	Ballari	Attended	International



DEPARTMENT OF CHEMISTRY

**Dr. Suresh
Professor & HOD**

Welcome to the Chemistry Department: “Better Things for Better Living Through Chemistry.” The Department of Engineering Chemistry at BITM was established in 1997. This department has significant relevance in the areas of bio-inorganic chemistry, electrochemistry, batteries, solid-state chemistry, catalysis, polymer nanocomposites, and lubricants. Currently, the ongoing research includes areas such as chemical kinetics, bio-inorganic materials, dielectric fluids, and metal oxides for display applications. Engineering Chemistry also addresses problems related to environmental and industrial chemistry. Our department provides outstanding teaching combined with many opportunities to become involved and excel in academics and research. The department also has a research center equipped with state-of-the-art facilities and resource materials, and currently, three students are pursuing research.

Teaching Faculty

SN	STAFF NAME	DESIGNATION	QUALIFICATION	NO. OF RESEARCH PAPERS
1	DR.SURESH	PROF & HOD	M.Sc., Ph.D.	29
2	DR. VEERENDRA KUMAR A.K	ASSOCIATE PROFESSOR	M.Sc., Ph.D.	12
3	DR. SHARANAKUMAR T M	ASSOCIATE PROFESSOR	M.Sc., Ph.D.	25
4	DR. VEENA V	ASSISTANT PROFESSOR	M.Sc., Ph.D.	4
5	Mrs. VINDHYA.R	ASSISTANT PROFESSOR	M.Sc. B.Ed.	1
6	Ms. DHARANI NEKKANTI	ASSISTANT PROFESSOR	M.Sc.	0
7	Ms. PAVITRA K	ASSISTANT PROFESSOR	M.Sc.	0
8	Ms. KAVYA M	ASSISTANT PROFESSOR	M.Sc.	0
9	Mr. CHIDANANDA RAJESH KUMAR	ASSISTANT PROFESSOR	M.Sc.	0

Non-Teaching Faculty

SN	Name of the staff	Designation
01	Mr. K Siddappa	Lab Attender
02	Mr. Amaresh N	Attender

Conferences & Workshops Attended By Faculty

NAME	CONFERENCE/WEB NAIR	TOPIC	FACULTY	DATE & PLACE
2 day International FDP on 07 th and 08 th August 2023	International	2 day International FDP on Research, Writing and Publishing in High Impact Journals	Dr. Suresh	Department of Research, Innovation and Development Cell, BITM, Ballari Karnataka
2 day International FDP on 07 th and 08 th August 2023	International	2 day International FDP on Research, Writing and Publishing in High Impact Journals	Dr. Veerendra Kumar A. K.	Department of Research, Innovation and Development Cell, BITM, Ballari Karnataka
National Webinar Series on Astrophysics	National	Exoplanets: Distinct World's from the Solar System	Dr. Veerendra Kumar A. K.	Online mode: The Division of Physical Sciences, Karunya Institute of Technology and Sciences, Coimbatore, Tamilnadu
3 days Virtual International Conference MECCA-2023	International	Materials Chemistry for Energy & Environmental Applications	Dr. Veerendra Kumar A. K.	Online mode: The Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle. Andra Pradesh, India
2 day International FDP on 07 th and 08 th August 2023	International	2 day International FDP on Research, Writing and Publishing in High Impact Journals	Dr. Sharanakumar T M	Department of Research, Innovation and Development Cell, BITM, Ballari Karnataka

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



Dr. R N Kulkarni
Professor & HOD

Education is to be enjoyed and imbibed for life. The Department of Computer Engineering was established in 1997, affiliated to Visvesvaraya Technological University, Belgavi, Karnataka, and approved by AICTE, New Delhi, to provide quality education in the field of Computer Science & Engineering. The new generation of aspirants exhibits skills and talents of unparalleled genius. The future belongs to those who are inquirers, knowledgeable, thinkers, principled, communicators, open-minded, risk-takers, and reflective. Guided by these virtues, we are running an undergraduate program in CSE with an intake of 180. In addition to the UG program, the department also runs a postgraduate program (Computer Network Engineering) with an intake of 18 and a VTU-approved research center to pursue research activities in the department.

The Computer Science & Engineering Department offers a spectrum of activities leading to multiple experiences and the enrichment of students. Each of these activities is like the beads of a rosary, tied to a common thread of trust and excellence. The department has 11 computer labs equipped with high-end machines that cater to the needs of all the students and one lab that is established in collaboration with WIPRO Technologies, Bengaluru, to carry out interdisciplinary projects. The department has signed MoUs with:

1. Infosys Ltd., Bengaluru, for the Campus Connect program as an Advanced Partner College to conduct training programs on computer-related subjects for all the final-year students of the institute.
2. WIPRO [Mission 10x MTLC Program], Bengaluru, to develop embedded system products.
3. JSpider to conduct training programs on Java technologies and software testing courses.
4. MoU with IBM for cloud computing, big data analytics, and mobile application development.
5. MoU with Automation Anywhere University on robotic process automation.

The students are encouraged to participate in seminars, technical fests, symposiums, and conferences conducted by other engineering colleges, and also to participate in departmental activities such as debates, extempore, group discussions, quizzes, and brainstorming sessions conducted in the departmental forum called "Tech-Vruksha." Our department has excellent results and placements year after year. I am proud to say that all our alumni are working in top multinational companies and have become leaders in their specialized fields.

Teaching Faculty

S. No.	Name of the Staff	Designation	Experience
1	Dr R.N Kulkarni	Professor and HOD	34 Years 11 Months
2	Dr. C.K. Sreenivas	Professor	23 Years 06 Months
3	Dr. Chidananda H	Assoc. Prof.	24 Years
4	Dr. Muhibur Rahman T.R.	Assoc. Prof.	27 Years 06 Months
5	Mr. P Paniram Prasad	Asst. Prof.	26 Years
6	Dr. Sheetal Janthakal	Asst. Prof.	12 Years
7	Mrs. Prathibha Mishra	Asst. Prof.	18 Years 05 Months
8	Dr. Sudhakar Avareddy	Asst. Prof.	15 Years 05 Months
9	Mr. Dadapeer	Asst. Prof.	14 Years
10	Mr. Usman K	Asst. Prof.	16 Years
11	Mr. T.M.Haysth	Asst. Prof.	15 Years
12	Mr. Virupaksha Gouda R.	Asst. Prof.	15 Years 03 Months
13	Mr. Chandrasekhar V	Asst. Prof.	27 Years
14	Mr. Md. Sharifulla	Asst. Prof.	13 Years
15	Mrs. Shwethashree A	Asst. Prof.	16 Years 04 Months
16	Ms. Manjula K	Asst. Prof.	13 Years 05 Months
17	Mr. Kiran Mudaraddi A	Asst. Prof.	16 Years
18	Mr. Hari Krishna H	Asst. Prof.	11 Years
19	Mr. Sreenivas M	Asst. Prof.	20 Years 04 Months
20	Mr. Srisailanath	Asst. Prof.	13 Years
21	Mrs. Jagadevi Puranikmath	Asst. Prof.	08 Years 01 Month
22	Mrs. Lakshmi Sharma K M	Asst. Prof.	08 Years 09 Months
23	Mr. Narasimharaju Paka	Asst. Prof.	11 Years 03 Months
24	Mrs. Varada Alekhya	Asst. Prof.	08 Months
25	Mrs. Steffi Nivedita S	Asst. Prof.	06 Years 03 Months
26	Ms. Madhuri A	Asst. Prof.	01 Year 03 Months

Non-Teaching Faculty

S. No	Name of the Staff	Designation	Experience
1	Mr. Anand Krishna Murthy	System Analyst	33 Years
2	Ms. Sameena Yasmeen	Supervisor	01 Years 04 Months
3	Mr. Basavaraj.S	Instructor	22 Years
4	Mrs. Sunitha.S	Instructor	24 Years 10 Months
5	Mr. Sharanabasappa.A	Instructor	24 Years
6	Mr. Jeelan K	Instructor	20 Years
7	Mr. Khalik Basha C	Instructor	19 Years
8	Mr. Bharath Kumar.R	Instructor	16 Years
9	Mr. Ravi G	Instructor	12 Years
10	Ms. Sahana	Instructor	01 Years 01 Month

bhoomika

*Talents
Explored*

Publications of Staff

S. No.	Name	Designation	National Conferences	International Conferences	National Journals	International Journals	Total Publications	Workshops Attended
1	Dr. R N Kulkarni	Prof. & HOD	19	13	—	11	43	28
2	Dr. B M Vidyavati	Professor	21	10	—	12	43	15
3	Dr. R V Biradar	Professor	19	14	—	13	46	11
4	Prof. Prithviraj Y J	Professor	2	—	—	3	5	2
5	P. Phaniram Prasad	Associate Prof.	14	3	—	3	20	8
6	T R M Rehman	Associate Prof.	3	—	—	5	8	11
7	Aradhana D	Associate Prof.	13	1	—	11	25	7
8	C K Sreenivas	Associate Prof.	11	1	—	2	14	6
9	A Venkateshwar	Associate Prof.	7	2	—	1	10	11
10	Anita Patil	Asst. Prof.	2	2	—	4	8	4
11	Pratibha Mishra	Asst. Prof.	2	1	—	2	5	4
12	Sudhakar Avareddy	Asst. Prof.	2	2	—	2	6	4
13	Jagadeesh R M	Asst. Prof.	2	5	—	3	10	4
14	Usman K	Asst. Prof.	—	—	—	—	—	3
15	Virupaksha Gouda	Asst. Prof.	1	—	—	—	1	4
16	Hayath T M	Asst. Prof.	2	—	—	—	2	4
17	Sridhar S K	Asst. Prof.	1	1	—	1	3	8
18	Dadapeer	Asst. Prof.	1	—	—	1	2	8
19	Shaffiulla	Asst. Prof.	—	1	—	—	1	2
20	Girish Kumar D	Asst. Prof.	1	—	—	—	1	2
21	Swethashree A	Asst. Prof.	1	—	—	1	2	—
22	Swati D V	Asst. Prof.	—	—	—	2	2	1
23	Tejaswini S G	Asst. Prof.	1	—	—	—	1	1
24	Kiran M A	Asst. Prof.	—	—	—	—	—	2
25	Hari Krishna H	Asst. Prof.	—	—	—	—	—	—
26	Bhimanna A	Asst. Prof.	—	—	—	1	1	4
27	Azar Baig M	Asst. Prof.	—	—	—	1	1	1
28	Akshata Y	Asst. Prof.	1	—	—	2	3	4
29	Pooja Kulkarni	Asst. Prof.	1	—	—	2	3	5
30	Sunitha K	Asst. Prof.	—	—	—	—	—	—
31	Nirmala Ganiger	Asst. Prof.	1	—	—	1	2	2
32	Srisailanath	Asst. Prof.	—	—	—	—	—	4
33	Aishwarya R Nayaka	Asst. Prof.	—	1	—	1	2	—
34	Vidya Myageri	Asst. Prof.	—	1	—	—	1	—
35	Naveenkumar G	Asst. Prof.	2	—	—	1	3	4
36	Shenaaz	Supervisor	—	—	—	—	—	—

Publications by Faculty

S No.	Title	Authors	Index
1	A Novel Approach to Abstract the Design Information and Minimal Cover from the Restructured Java Program	Dr. R N Kulkarni	Scopus
2	Bidirectional recommendation in HR analytics through text summarization	Dr. Yeresime Suresh	Scopus
3	Mathematics for 2D face recognition from real time image data set using deep learning techniques	Dr. Yeresime Suresh	Scopus
4	Recipe finder web application using Convolutional Neural Network	Dr. C K Srinivas	
5	SMS Spam detection based on machine learning techniques	Dr. P. Pani Rama Prasad	
6	Energy Efficient Cluster Based Routing Using Multiobjective Improved Golden Jackal Optimization Algorithm in Wireless Sensor Networks	Dr. T R Muhibur Rahman	Scopus
7	Data Security and Privacy Protection for Cloud Storage	Dr. T R Muhibur Rahman	DOI
8	Online Criminal Detection System	Dr. T R Muhibur Rahman	DOI
9	Crop Disease Detection and Solution Prediction Using Convolution Neural Network	Dr. T R Muhibur Rahman	DOI
10	Reliable Examination Management System	Dr. Anita S Patil	
11	Easy and Secure Hostel Hub	Dr. Anita S Patil	
12	An Automatic Method to Prevent and Classify Cyber Bullying Incidents Using Machine Learning Approach	Dr. Sheetal J	
13	Deep Learning Based Election Result Prediction Using Twitter Data	Dr. Sheetal J	DOI
14	Stroke Risk Prediction Using KNN Algorithm	Mr. Sudhakar Avareddy	
15	IPL Score Forecaster: Using Machine Learning to Predict First Innings Scores	Mr. Sudhakar Avareddy	DOI
16	Social Media Analysis Data Using Data Mining	Mrs. Pratibha Mishra	DOI
17	A Trip Advisor System Using Decision Tree	Mrs. Pratibha Mishra	DOI

18	Enhanced Machine learning for Cloud Computing Electricity Cost prediction	Mr. Usman K	DOI
19	Bus Pass Validation System Using RFID	Mr. Usman K	DOI
20	Stress Detection in IT Employees	Mr. Virupaksha Gouda	DOI
21	To Design and Develop A Robot Car That Capable Of Delivering Items Within Campus	Mr. Virupaksha Gouda	DOI
22	A Novel Method on Wound Identification Using Machine Learning and Image Processing	Mr. Hayath T M	DOI
23	Kannada Handwritten Optical Character Recognition	Mr. Dadapeer	DOI
24	Novel Approach for Vehicle Accident Tracking using IoT	Mr. Mohammed Shafiulla	DOI
25	Invest in Idea: Crowd Funding with Predicting Startup Success	Mrs. Shwetha Shree	DOI
26	Micro Nutrient Deficiency Detection Using Image Processing and CNN	Mr. Harikrishna H	DOI
27	Design and Implementation of Autonomous vehicle using computer vision	Mr. Srisailanath	DOI
28	Effective Strategies for EV Battery Monitoring and Maintenance	Mr. Srisailanath	DOI
29	A Novel Approach for Predicting Employee Promotions	Mr. V Chandrashekar	DOI
30	Analysis and Prediction of Multiple Disease using Machine Learning	Mrs. Jagadevi P	DOI
31	BLINDS EYE: Advancing Navigation for the Visually Impaired with Arduino Uno	Mr. Sreenivasa M	DOI
32	Smart Remote Watering System	Mr. Sreenivasa M	
33	VAXIMATE: Child Vaccination Management for Healthier Families (CVSM)	Mrs. Madhuri Akki	
34	Kidney Stone Detection and Stone Analysis Using Image Processing	Mr. Narasimha Raju Paka	DOI
35	Electronic Health Report System Using Blockchain Technology	Ms. Manjula K	DOI

Activity

1. “My Story- Motivational session by Successful Entrepreneur”



Social Media Link :

[https://m.facebook.com/story.php?](https://m.facebook.com/story.php?story_fbid=pfbid02YKkYFotnr5UUABukjtAgqNgKiyWk3pMvZ5E7TNPGwPLsrnwz8So8DWBzk8LfiRqkl&id=100071809745775&mibextid=Nif5oz)

[story_fbid=pfbid02YKkYFotnr5UUABukjtAgqNgKiyWk3pMvZ5E7TNPGwPLsrnwz8So8DWBzk8LfiRqkl&id=100071809745775&mibextid=Nif5oz](https://m.facebook.com/story.php?story_fbid=pfbid02YKkYFotnr5UUABukjtAgqNgKiyWk3pMvZ5E7TNPGwPLsrnwz8So8DWBzk8LfiRqkl&id=100071809745775&mibextid=Nif5oz)

Resource Person Profile

The founder and director of Raylog Industries (Raylog Autonetics Pvt ltd), since its inception in 2017. Having Bachelor of Engineering degree in Electronics and communication (from RYMEC, Ballari) followed by Master in Technology in VLSI and Embedded systems (from BITM, Ballari). Responsible for the overall technical decisions of the company and instrumental in making strategic decisions for the Company. Led three in-house product production cycles and maintains the engineering team. Also, prominent and active part of execution planning of BrilliantArms (A learning venture of Raylog). Specialized in the field of IoT and Embedded systems. Hold five patents in innovation in the field of IoT. As well, an integral part of BITM for training Faculties and mentoring teams in Incubation.

Summary of the Activity

Department of Computer Science and Engineering, BITM Ballari Organized an Invited talk "My Story- Motivational session by Successful Entrepreneur" On 25th November 2023 in Association with Institution Innovation Council and IQAC, BITM.

Dr. Mallikarjuna A head of Incubation Center-BRICS, welcomed the Resource Person Mr. Raymond Irudayaraj Founder of Raylog Industries, and Principal, HoD's of Various Departments, staff, students and gave a brief introduction about the Resource Person.

Dr. Yadavalli Basavaraj spoke about the importance and benefits of Entrepreneurship and Startups in the country and highlighted the efforts needed to become an entrepreneur and motivated the gathering by quoting "Miles of Journey begins with single step", and also discussed sustainability in the field of Entrepreneurship.

The resource person Mr. Raymond Irudayaraj took over the dais and started the session. He highlighted the Challenges and different tasks carried out to become a successful Entrepreneur. He explained various Innovations and Developments in the area of Embedded System and IOT Platform.

He highlighted the work which is carried out at Raylog, in the area of Artificial Intelligence and also discussed about the importance of Startups in the country. He Also Motivated and inspired students to becoming Successful Entrepreneur.

Finally, the event concluded with a vote of thanks by Dr. GirishKumar D.



This is to certify that Institution's Innovation Council, BITM (IIC-BITM) had undertaken above activity prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up Eco-system in campus during the IIC calendar year 2022-23.

Raghu P.

Signature and Seal
(IIC-BITM President)

Dr. RAGHAVENDRA P,
Ph.D. (NITK)
President, IIC BITM

2. “NATIONAL TECHNOLOGY DAY”



Social Media Link :

<https://www.facebook.com/share/p/ppBSKyVdqebQrhAG/?mibextid=oFDknk>

Resource Person Profile

Mr. K. Sundar is an Associate Vice President and Senior business Manager at Education Training and Assessment department at Infosys Limited. Sundar has more than 30 years of experience in IT and Education. He is associated with Infosys for more than 25 years. Currently Sundar heads the Global Education Centre, one of the largest corporate universities in the world at GEC, Mysore. In addition, Sundar leads the Client engagement activities related

to Wingspan, Campus Connect – an Industry Academia collaboration for Infosys, Agile and DevOps enablement, Account Competency Development, Open-Source Enablement and Client training activities.

Sundar was part of the team that set up one of the largest Corporate Universities – Global Education Centre (GEC) at Infosys Mysore campus. Sundar also leads the University collaboration activities in US as well as Community college graduate’s induction activities. He is actively involved in carrying out digital literacy activities through Infosys Springboard in India.

Sundar holds a post graduate degree in both Power Systems and Software systems. He has travelled all across the globe to conduct training and software development activities. He is a member of Academic council and Board of studies in various Universities in India and abroad. He is the recipient of Infosys Excellence award for people development for 5 times. He is also awarded Leader of the Year at Mysore Infosys Development center during 2012-13.

Sundar’s areas of expertise includes Agile and DevOps, Software Analysis and Design, IT Service Management, AI and ML etc. At present he is works at Infosys Development Centre, GEC, Mysore.

Objectives and Outcomes of the Activity

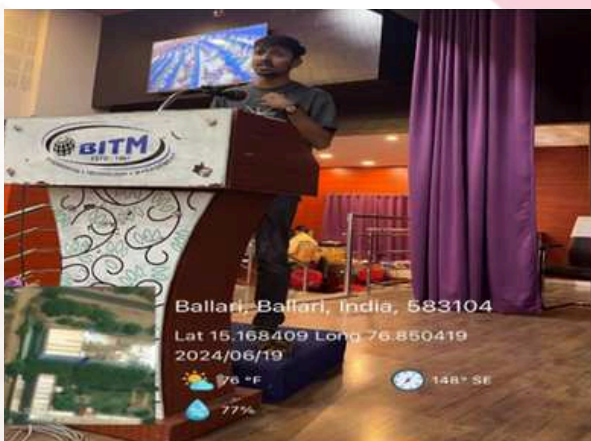
- Objectives of the Session:
To Promote Scientific temper and inspire the younger generation to persive careers in Science, Technology ,Engineering and Math fields.
- Outcomes of the Session:
Participants were able to understand use of technology in day to day activities.



ALUMNI TALK ON CAREER & PLACEMENT ORIENTATION



The Department of Computer Science & Engineering at Ballari Institute of Technology and Management, organized an Alumni Talk on Career & Placement Orientation on June 19th, 2024. The session was led by Mr. Janardan Kulkarni, a DevOps Engineer at Tracelink India and an alumnus of the department. He shared insights on career planning, industry expectations, and placement strategies, inspiring students with practical advice. The event was attended by the Principal, Dr. Yadavalli Basavaraj, Director, Prof. Y. J. Prithviraj Bhupal, and HOD CSE, Dr. R. N. Kulkarni, with smooth coordination by Mr. Virupaksha Gouda R and the event coordinators. The session concluded successfully providing students with valuable industry knowledge.



BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT



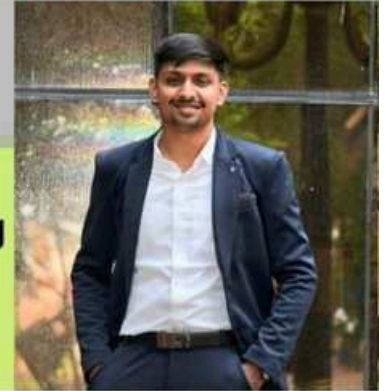
Autonomous Institute under Visvesvaraya Technological University, Belagavi
"Jnana Gangotri" Campus, #873/2, Ballari-Hosapete Road,
Near Allipura, Ballari-583 104 (Karnataka)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING TECH VRUKSHA FORUM ORGANIZING



ALUMNI TALK
ON
CAREER & PLACEMENT ORIENTATION
BY
JANARDAN KULKARNI
DEV-OPS ENGINEER I, TRACELINK INDIA PRIVATE LIMITED



PRINCIPAL

DR. YADAVALLI BASAVARAJ

DIRECTOR

PROF. Y. J. PRITHVIRAJ BHUPAL

HOD - CSE

DR. R. N. KULKARNI

TECKVRUKSHA COORDINATOR

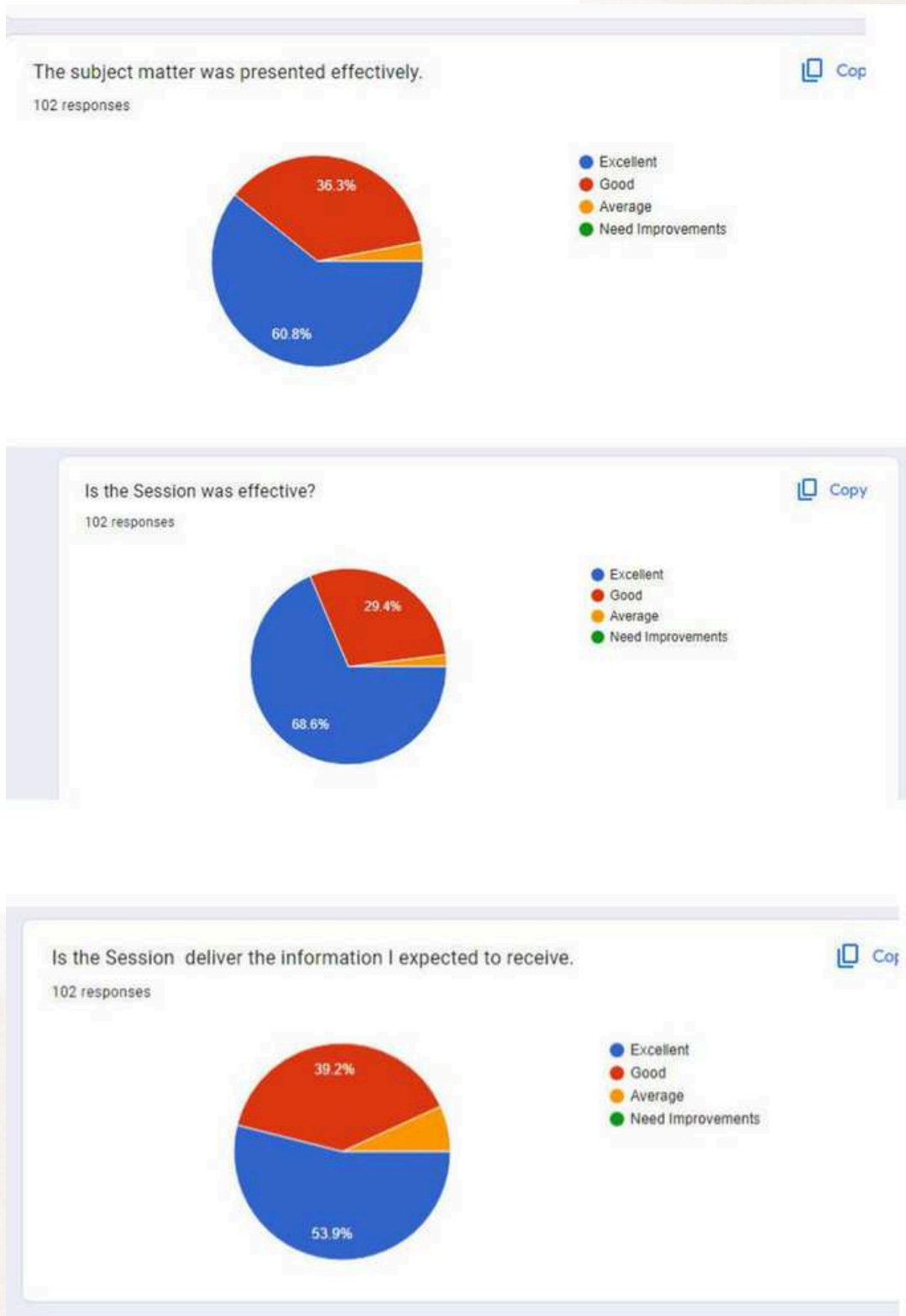
MR. VIRUPAKSHA GOUDA R

EVENT COORDINATORS

MR. SUDHAKAR AVAREDDY
MR. HAYATH T.M.

WEDNESDAY, JUNE 19TH 2024 @ 03.00PM
VENUE - AUDITORIUM, PG & ADMIN BLOCK

FFEEEDBACK



DEPARTMENT OF AI&ML ENGINEERING



Dr. B.M. Vidyavathi Professor & HOD

The Department of Artificial Intelligence and Machine Learning was established in the year 2020, affiliated to Visvesvaraya Technology University, Belagavi, Karnataka, and approved by AICTE, New Delhi (new department) to provide quality education in the field of Artificial Intelligence and Machine Learning Engineering. The new generation of aspirants exhibits skills and talents of unparalleled genius. The future belongs to those who are inquirers, knowledgeable, thinkers, principled, communicators, open-minded, risk-takers, and reflective. Guided by these virtues, we are running an Undergraduate Program in AI&ML with an initial intake of 60, later increased to 120, and now with an intake of 180, currently having 3 batches in the department. Our department has 4 equipped labs with high-end machines that cater to the needs of all the students. We haven't signed with WIPRO; currently, we are operating with a staff capacity of 12, including 1 HOD.

Mission:

- M1: To impart strong foundational theoretical and practical concepts of AI&ML.
- M2: To equip students with design and development skills catering to the needs of the industry and society by collaborating with industry and academia.
- M3: To promote research, entrepreneurship, and leadership skills with ethical responsibilities.

TEACHING FACULTY

Sno	Name	Designation	Dept	Qualification	No of years in college
1.	Dr. B M Vidyavathi	Professor and HOD	AIML	PhD	30
2.	Dr. C N Shariff	Professor	AIML	PhD	36
3.	Dr. Mallikarjuna A	Asst HOD	AIML	PhD	18
4.	Dr. Phanindra Reddy K	Associate Prof	AIML	PhD	1
5.	Dr. Renuka sagar	Asst. Prof	AIML	PhD	18
6.	Dr. Hemavathi	Asst. Prof	AIML	PhD	1
7.	Mrs. Ashajyothi	Asst. Prof	AIML	M.Tech	2
8.	Mr. Praveen Kumar CTM	Asst. Prof	AIML	M.Tech	2
9.	Mrs. Vijayalaxmi B M	Asst. Prof	AIML	M.Tech	2
10.	Mrs. Syeda Badrunnisa Begum	Asst. Prof	AIML	M.Tech	2
11.	Mrs. Kavya Sree K	Asst. Prof	AIML	M.Tech	2
12.	Mrs. Rachel Evangeline Christian	Asst. Prof	AIML	M.Tech	2
13.	Mr. Mohammed Thoseef D	Asst. Prof	AIML	B.E	2
14.	Mr. Reddy Santosh Kumar	Asst. Prof	AIML	M.Tech	1
15.	Mrs. Hosmani Manikeshwari	Asst. prof	AIML	M.Tech	1

Non-Teaching Faculty

No.	Name	Designation	Expereince
1	Mr. Md. Irshad Ali	Instructor	28
2	Mr. Besta Chinnappa	Instructor	1
3	Ms. Deepa H	Instructor	6 Months
4	Mrs. Savitha P	Instructor	4

Publication of Papers and Journals

S. No	Name of faculty	Title of paper	Details of publications
1	Dr. Noorullah C Shariff	Network intrusion detection using sparse autoencoder with swish-PReLU activation Model	Journal of ambient intelligence and humanized computing on 2021/3/13 in Springer Berlin Heidelberg
2.	Dr Phanindra Reddy K	An anomaly-based intrusion detection system using recursive feature elimination technique for improved attack detection	Theoretical Computer Science on 2022/9/29 in Elsevier

Faculty Achievements

1. Dr. C N Shariff

- A Bootstrapped Volatile Key Management Scheme For Efficient And Secured Data Transmission In WSNs
- Leukemia disease: Overview & Detection approaches
- Journal of Systems Engineering and Electronics
- Green Route Ballari : A Hybrid Approach for Optimizing Waste Collection Routes Using K-Means
- International Journal for Research in Applied Science & Engineering

2. Dr. Mallikarjuna A

- PYTHON Programming
- Designing Embedded AI Systems using STMICROELECTRONICS AI Ecosystem
- Fundamentals of Data Science & Analytics
- National Level FDP OM Cloud Infrastructure(AWS)
- Introduction to Internet of Things

3. Dr. Renuka Sagar

- Reviewer for first IEEE international conf on datascience and network security organised by kalpataru Institute of Technology, Tiptur
- project proposal entitled WIRELESS ELECTRONIC PULSE PAD FOR WOMEN testing the proposal submission submitted to Department of Science and Technology ,govt of India.
- Research Project Approval for Medical Image Analysis as Senior Researcher at IIT Hyd
- IEEE paper on Drone based crop disease detection using ML.
- Reviewer for second IEEE international conf on datascience and network security organised by kalpataru Institute of Technology, Tiptur

4. Dr. Phanindra Reddy K

- SDP on Introduction to Mathematics and Machine Learning Using MatLAB:An Educator's perspective.
- SDP on Project Development Methodology.
- SDP on Azure Infrastructure and Services- A Hands on Experience.
- SDP on Unleashing Microsoft Azure : A practical Cloud Computing Experience.
- Invited Talk-AKIMS-Role of AI & Technology for Managers.
- Invited Talk-VTU Belagavi-Technology Demonstration on Microsoft Azure.

5. Dr. Hemavathi

- 2nd Series of Geotechnical Engg practices & its Sustainable Development - 2024.
- Faculty Professional Development pgm on Microsoft AI for Education
- OntoBlock: a novel ontological-based and blockchain enabled spectrum sensing framework for detection of malicious users in cognitive radio Internet of Things (CR-IoT) networks.
- Published a paper in International Journal of Information Technology (Q2 Journal, Scimago).

6. Mrs. Ashajyothi

- PYTHON Programming
- International FDP on Research, Writing and Publishing in High Impact Journals
- National Level FDP on Cloud Infrastructure (AWS)
- 6G Software Defined Radio Test Beds for OFDM and FM Radio
- AIML for Computer Vision and Image Analysis Applications
- Research, writing and Publishing in High Impact journals
- GenAI and Prompt Engineering using Microsoft Copilot
- Development Program on Cloud Infrastructure(AWS)

7. Mrs. Vijayalaxmi B

- Designing Embedded AI Systems using STMICROELECTRONICS AI Ecosystem

8. Mrs. Kavya Sree K

- Introduction to Mathematics and Machine Learning
- Using MatLAB:An Educator's perspective
- Business Analytics & Deep learning and AI

9. Mrs. Rachel Evangeline Christian

- Industrial Advancement in Artificial Intelligence & Machine Learning
- Introduction to Mathematics and Machine Learning Using MatLAB:An Educator's perspective
- GenAI and Prompt Engineering using Microsoft Copilot
- Designing Embedded AI Systems using STMICROELECTRONICS AI Ecosystem
- Deep Learning and Artificial Intelligence

10. Mr. Mohammed Thoseef D

- Designing Embedded AI Systems using STMICROELECTRONICS AI Ecosystem
- Introduction to Internet of Things
- Artificial Intelligence and Machine Learning for Computer Vision and Image Analysis Applications

11. Mr. Reddy Santosh Kumar

- MongoDB-A Project based Hands on Training
- Introduction to Mathematics and Machine Learning Using MatLAB :An Educator's perspective
- Machine Learning and Computer Vision for Image Analysis Applications
- Microsoft Azure AI Engineer Associate
- National Level FDP OM Cloud Infrastructure(AWS)
- Fundamentals of Data Science & Analytics

EVENTS

AVARANYA



“Stepping into the realm of joy and camaraderie, Avaranya Fest 2023 beckons — a symphony of games, impactful video pitches, and the cultural tapestry of our vibrant AIML community awaits.”

welcome to the prestigious Avaranya Fest 2023.

In the tapestry of academic excellence, this day marks the unveiling of Avaranya Fest 2023 — a day brimming with thrilling games, thought-provoking video pitches, and the rich hues of cultural brilliance. Welcome, to a canvas where enjoyment meets inspiration, and every stroke of engagement paints a vivid memory.

Avaranya — a day teeming with intellectual and creative vigor. Our meticulously curated events include a challenging treasure hunt, an intriguing murder mystery, gaming zones featuring BGMI and Call of Duty for our avid gamers, coding debugging for our tech virtuosos, and an inspiring session of video idea pitching for societal causes. The day concludes with a cultural spectacle that promises to showcase the diverse talents within our AIML family.

EVENTS



EVENTS



HACKATHON

ACTIVITIES ON CAMPUS



HACKB-23

HACKB-24

Hackfest-01

Business Plan Competition



ACTIVITIES

ACTIVITIES OFF THE CAMPUS



HACKATHON

- IIT Madras
- IIT Bombay



VTU FEST

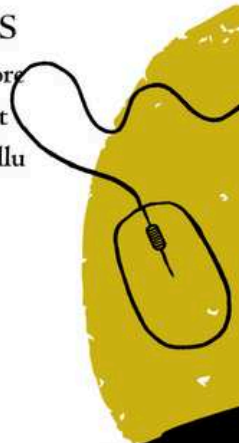
- 22nd VTU fest
- YUKTI VTU fest
- 23rd VTU fest

NCC CAMPS

- EBSB Camp Mysore
- CATC Bagalkot
- ATC Toranagallu

SPORTS

- Handball
- Hockey
- Cricket



SPORTS

SPORTS



TANUSH
38R22A1168

HOCKEY



CRICKET

ABHISHEK KUMAR
38R22A1004



S RAHUL
38R22A1139

FOOTBALL

**DEPARTMENT OF
CSE - DS**



**Dr. Aradhana D
Professor & HOD**

The Department of Computer Science and Engineering - Data Science was founded in the academic year 2021-22. Since then, it has flourished, boasting a team of highly qualified and dedicated faculty members. The department has evolved from its modest origins to become fully operational, with state-of-the-art laboratories and infrastructure in place. It encourages collaboration among faculty members, enabling them to stay updated with the latest advancements and refine their skills to meet the needs of industry and technology.

Teaching Faculty

S. No	Name	Designation	Qualification	Experience (In Years)
1	Dr. Aradhana D	Professor - HOD	BE(CSE), M.Tech(CSE), PhD	27
2	Dr. Jagadhish R M	Assoc. Prof	BE(CSE), M.Tech(CNE), PhD	16
3	Mr. Manjunath Kammar	Assistant Professor	BE(CSE), M.Tech(CSE)	15
4	Mr. Azhar Baig M	Assistant Professor	BE(CSE), M.Tech(CNE)	13
5	Ms. Parvati	Assistant Professor	BE(CSE), M.Tech	04
6	Ms. Archana Budagavi	Assistant Professor	BE(ECE), M.Tech (VLSI&Embedded)	01
7	Ms. Anushya	Assistant Professor	BE(ECE), M.Tech (VLSI&Embedded)	01
8	Mrs. Kavyashree S N	Assistant Professor	BE(ECE), M.Tech (Digital Communications & Networking)	01
9	Ms. Kamalpadu Varsha	Teaching Assistant	BE(CSE)	--

Non - Teaching Faculty

S. No	Name	Designation	Qualification
1	Ramanjineyalu	Instructor	BCA



Events

DS Forum C.O.D.E- Clubs of Data Engineers "CODING PUZZLES"



The Department of CS- Data Science has organized Event on "CODING PUZZLES" for 2nd Semester Students on June 27th 2024 at Class Room. The event was inaugurated by Dr. Aradhana D. Head of the department. DS – Forum Coordinator Mr. Manjunath Kammar, Dr. Jagadush R M and staff members. The event coordinators are M. N. Niharika Shree, M Shree Vardhini, Mooli Sruthi, Rakshitha Atti, Pushpitha J. R. , K. Shashikala, Revanasiddappa Ganjikhed 4th Semester Data Science. Head of the department distributed the letter of appreciations to the student coordinators with vote of thanks

Technical Talk on "From Idea to Publication: Crafting a Research Paper"



Department of CS- Data Science has organized Technical Talk on "From Idea to Publication: Crafting a Research Paper" for 4th Semester Students on 22nd June 2024 at Lab1, 3rd Floor, Silver Jubilee, BITM, Ballari. The Research and Innovation Club had successful hosted the technical talk by the Club Head Dr. Jagadish R M. Head of the department distributed the letter of appreciations to the Resource Person Dr. Jagadish R M, Forum Coordinator Manjunath Kammar and student coordinators with vote of thanks.

Workshop on “Web Development”



Department of CS- Data Science has organized value added workshop on "Web Development" for 2nd Semester Students on June 14th 2024 at Lab1, 3rd Floor, Silver Jubilee, BITM, Ballari.

The event was inaugurated by Dr. Aradhana D. Head of the department. DS – Forum Coordinator Mr. Manjunath Kammar, Dr. Jagadish R M and staff members. The event coordinators are Mohammed Kaif, Syeda Kanes Fathima, K. Roopa Shree, S . Mounika, K . Lavanya, T . Sanjana, Meghana and Pragna 4th Semester Data Science.

The Web Development Workshop is a learning event designed to give individuals an introduction to the basics of web development. During the workshop, attendees will learn the fundamentals of HTML, CSS, and JavaScript, as well as the basics of web design and development. Students covered various topics of Web Technology, conducted practical session and also demonstrated creation of web pages.

Technical Poster Presentation Talk on "Innovations in Data Science and Emerging Technologies"

Aradhana D, Club coordinator - Manjunath Kammar, Research and Innovation Head Dr. Jagadish R. M., all faculty members, and all students of the Data Science branch.

Department invited Dr. Y. Suresh, Professor, Dept. of CSE, BITM and Dr. Jagadish R M, Associate Professor, Dept. of CSE-DS, BITM as a Jury Member (Judge) for Technical Poster Presentation. Head of the department distributed Prizes to winners (First Prize- 600 Rs, Second Prize- 400 Rs and Third Prize is 300 Rs) with certificates, the letter of appreciations to Jury Member and the student coordinators with vote of thanks.



Workshop on "Web Development"

Value Added workshop on "Web Development" conducted on 31/01/2024 by the Data Science Student Forum, Department of CS – Data Science at Lab1, 3rd Floor, Silver Jubilee Block.

The event was inaugurated by Dr. Aradhana D. Head of the department. DS – Forum Coordinator Mr. Manjunath Kammar and staff members. The event coordinators are Mohammed Kaif, Syeda Kanees Fathima, K. Roopa Shree, S . Mounika, K . Lavanya, T . Sanjana, Meghana and Pragna 3rd Semester Data Science.

DS Forum Student Inauguration

The Department of CS- Data Science has organized "DS Forum Student Inauguration" on February 05th at Lab1, 3rd Floor, Silver Jubilee, BITM, Ballari.

Miss. Niharika student of 3rd Semester welcomed Director, Principal, Head of the Department, staff members and students. The event was inaugurated by Prof. Prithviraj Bhupal Director BITM Ballari and Head of the Department Dr. Aradhana D, DS Forum Staff Coordinator Mr. Manjunath Kammar, Dr. Jagadish R.M, Miss. Umadevi B E and Miss. Archana and students oordinators.



DEPARTMENT OF CSE - AI



Dr. Suresh Y
Professor & HOD

As the Head of the Computer Science & Engineering (Artificial Intelligence) department, I want to extend my warmest greetings to all students enrolled in our program. Our department stands at the forefront of innovation, where we explore the ever-expanding frontiers of artificial intelligence (AI) and its applications in diverse fields.

Teaching Faculty

S. No	Name	Designation	Experience (In Years)
1	Dr. SURESH Y	Professor - HOD	08
2	Mr. VIKRAM SANDEEP P	Associate Professor	11
3	Mr. BIMANNA A	Associate Professor	10
4	Mrs. AMRUTHA H	Assistant Professor	03
5	Ms. PREMA	Assistant Professor	03
6	Mr. RAMESH KUMAR K. R.	Assistant Professor	07

Non - Teaching Faculty

Lab Instructor	Mr. Gangaraju
Department Attender	Mr. Suresh

EVENTS

SEMINAR-RECENT TREND IN AI

- To provide participants with the opportunity to gain knowledge and skills.
- Seminars can also provide a platform for like-minded people to share ideas and views.
- Apply critical thinking and problem solving skill to address issue related to the topic.

Decrypt And Encode-C Language Qualifiers:-



Pick And Speak-Topics on AI



Quiz On C++ Qualifiers



TALK ON CYBER SECURITY -BY MR.RAMESH KUMAR KR

Mr. RAMESH KUMAR KR The faculty of CSE-[AI] department gave a talk on cyber security which included awareness and also use of some different tools. This webinar included of awareness on cyber crime including the real time experience. The primary goal of the STUDENT DEVELOPMENT PROGRAM is how to analyze an phishing email on security level.

1. How to analyze email headers.
 2. How to analyze Links & Attachments in Email.
 3. What are roles of Security analyst in organization level.
- SDP also helped students to create awareness & educate about cyber security frauds to their surrounding people.
 - SDP also created awareness for social engineering attacks i. e phishing, vishing, smishing we also worked practically on tools like any run, mx tool, virus total, etc.. which helped in getting knowledge on analysis of fake Gmail spoofing, phishing.



WORKSHOP ON MICROSOFT EXCEL

We in our club recently organized an informative and hands-on workshop of two sessions focused on Microsoft Excel. The workshop was meticulously designed to cater to both beginners and intermediate users, ensuring that all participants could enhance their understanding of this powerful tool.

During the workshop, four dedicated students took the lead, diving deep into essential Excel features. They covered a comprehensive range of topics, starting from the basics and progressing to more advanced functionalities. These included creating and managing pivot tables, designing and interpreting charts, performing various data analysis techniques, utilizing functions and formulas, and applying data validation rules to ensure the accuracy and integrity of data.



We in our club organized a fun and engaging online quiz on Python in our department. The quiz consisted of 20 questions, each with a time limit of 20 seconds. This format ensured a fast-paced and exciting experience for all participants. Everyone had a great time testing their Python knowledge. we are delighted to announce the three winners who demonstrated their knowledge and speed.



UI/UX Design With Figma

*Talents
Explored*

Our department recently conducted a comprehensive workshop focused on enhancing skills in UI/UX design under the guidance of Dr.Rajashree Biradar (Head of Department,CSE-AI), Mrs.Amrutha(Coordinator, Ignited Minds Club) , and other Staff members.The workshop aimed to equip participants with practical knowledge and hands-on experience in creating effective and user-friendly designs.

During the workshop, four dedicated students took the lead, diving deep into essential topics. These included UI/UX principles, creating and utilizing Affinity Maps, applying the Kano Model, and hands-on designing with Figma.



DEPARTMENT OF ECE



Dr. K M Sadyojatha **Professor & HoD**

With the ever-growing demand for Electrical and Electronics Engineers in all sectors, the Department focuses on training our students to gain strong academic knowledge in frontier areas, including electrical, electronics, and IT-related engineering, and also to prepare students to face real-world challenges.

The Department has highly experienced faculty members who display a high level of dedication and enthusiasm towards both teaching and state-of-the-art research. The faculty possess sound knowledge in emerging research areas like adaptive and robust control schemes for power electronic applications, power systems, electrical machines and drives, control of electric vehicles and energy management, power system optimization, active distribution networks, home energy management, and smart grid technologies. Our faculty members are continuously engaged in their respective research projects and publish their research articles in reputed national and international journals.

The department is active in organizing various workshops, technical talks, industrial visits, and seminars through the department's forum, Circuit Riders, to enhance the knowledge and skills of the faculty and students in cutting-edge technologies. Our department students are also highly encouraged to implement their innovative research ideas with the help of expert faculty members and the available high-standard research lab facilities in the department.

At present, the department offers a four-year undergraduate program, B.E. (Electrical and Electronics Engineering), and a PhD program in Electrical and Electronics Engineering specializations. The focus of this curriculum aligns with current and upcoming industry requirements in the future (Industry 4.0).

The Electrical and Electronics Engineering graduate has a wide range of career opportunities in power industries, government PSUs, R&D units, IT industries, electricity boards/utility companies, telecommunications industries, manufacturing industries, private industrial firms, and startup companies.

Teaching Faculty

S. No.	Name of the Faculty	Designation	Qualification	Teaching Experience	No.of research publications
1.	Dr K M Sadyojatha	HOD & Asst. Professor	Ph.D	23	15
2.	Dr, Shiva Kumar KS	Professor	Ph.D	18	6
3.	Premchand D R	Asst. Professor	Ph.D	17	2
4.	Dr Fareduddin Ahmed	Asst. Professor	Ph.D	11	2
5.	Dr Naseeruddin	Asst. Professor	Ph.D	14	2
6.	Dr Abdul Lateef Haroon	Asst. Professor	Ph.D	8	2
7.	Dr William Thomas	Asst. Professor	Ph.D	10	
8.	Dr. Prabhakar K	Asst. Professor	Ph.D	12	
9.	Dr. Girja Vani G	Asst. Professor	Ph.D	14	
10.	Vishnu kanth karwa	Asst. Professor	M Tech	10	
11.	Nilam Chheda	Asst. Professor	M Tech	18	

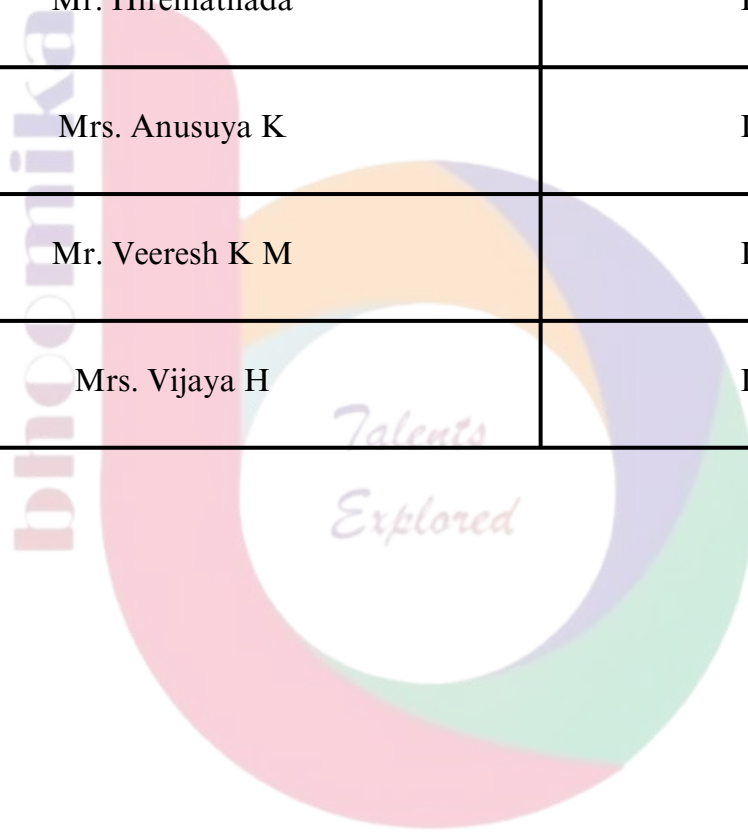
S. No.	Name of the Faculty	Designation	Qualification	Teaching Experience	No.of research publications
12.	Sowbhagya B	Asst. Professor	M Tech	11	
13.	Shilpa K R	Asst. Professor	M Tech	10	
14.	Srikantha K M	Asst. Professor	M Tech	9	
15.	Simantini Roy Chowdhury	Asst. Professor	M Tech	9	
16.	Hemanthakumar R K	Asst. Professor	M Tech	17	
17.	Sumalatha Venkob Rao	Asst. Professor	M Tech	9	
18.	Sagara T V	Asst. Professor	M Tech	3	
19.	Vijayarani T	Asst. Professor	M Tech	1	
20.	Ghousia Sanober	Asst. Professor	M Tech	2	
21.	Chandrakala B A	Asst. Professor	M Tech	2	
22.	Harshita K R	Asst. Professor	M Tech	2	
23.	Manjunath Ganjipete	Asst.Professor	M Tech	11	

S. No.	Name of the Faculty	Designation	Qualification	Teaching Experience	No.of research publications
24.	Ulaganthan J	Asst. Professor	M Tech	10	
25.	Swetha N	Asst. Professor	M.Tech	10	
26.	Vinaykumar Javalkar	Asst. Professor	M Tech	10	
27.	Ambrayya	Asst. Professor	M Tech	7	
28.	Aswathanaryana	Asst. Professor	M Tech	9	
29.	Nayana M	Asst. Professor	M Tech	17	
30.	Udayraj Kumar M	Asst. Professor	M Tech	9	
31.	Niharika Behara	Asst. Professor	M Tech	1	












S. No	Name of the Faculty	Designation	Qualification	Teaching Experience	No.of research publications
25.	Vishnukanth Javalkar	Asst. Professor	M Tech	25	
26.	Ashwathnarayana	Asst. Professor	M Tech	6	
27.	Ranjit Pyati	Asst. Professor	M Tech	9	
28.	Hemantha Kumar R	Asst. Professor	M Tech	11	
29.	Srikanth K M	Asst. Professor	M Tech	12	
30.	Prabhakar Kambar	Asst. Professor	M Tech	15	
31.	Ulaganathan J	Asst. Professor	M Tech	8	
32.	Sagar T V	Asst. Professor	M Tech	10	
33.	Venkatayya J	Asst. Professor	M Tech	3	
34.	Masaki Shravan Kumar	Asst. Professor	M Tech	2	

Non-Teaching Faculty

S. No.	Name of the Staff	Designation
1.	Manjunatha S	Supervisor
2.	Mr. Hiremathada	Instructor
3.	Mrs. Anusuya K	Instructor
4.	Mr. Veeresh K M	Instructor
5.	Mrs. Vijaya H	Instructor



ACHIEVEMENTS

Name	Award Name	Award Issue Date	Award By	Award Image
Dr K M Sadyojatha	Active SPOC based on performance & participation of candidates	JAN - 2024	SWAYAM NPTEL	
Dr Abdul Lateef Haroon P S	IEEE Senior Member Award	June 26th 2021	IEEE Headquarter, New York, USA	
	Outstanding Faculty Advisor Award	2020	IEEE CAS Bangalore Chapter	
	Honourable Judge Award(at the Grand Finale for the Idea Contest To Mitigate Post-COVID Impact in Low and Middle-Income Countries)	2020	IEEE Bangladesh Section	
	Wipro Certified Faculty Award	2021	Wipro	
	International Guest Speaker Award	2021	IEEE Headquarter, New York, USA	
Manjunath G	Official translator for SWAYAM NPTEL Courses	04/11/2020	SWAYAM NPTEL	
	NPTEL Top 5% Certification	21/11/2023	SWAYAM NPTEL	
	NPTEL Top 1% Certification	28/09/2024	SWAYAM NPTEL	
Dr Prabhakar K	NPTEL Top 2% Certification	28/09/2024	SWAYAM NPTEL	
Hemanth Kumara Kappali	IUCEE International Engineering Educator Certificate program	Spring 2024	IUCEE Foundation	

NEWS

Ballari Institute of Technology and Management, Bellary, organized the 4th International Conference on Distributed Computing and Electrical-Electronic Circuits (ICDCECE-2024) on April 25th and 26th, 2024.

ಬದಡಾಭಿೞ್ಕ ಕನ್ನಡಿರದ

ಬಬಬಬಂ ಕಾಲೇಜಿಗೆ ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದಿಂದ ಮೂರು ರ್ಯಾಂಕ್‌ಗಟು-ಡಾ.ಯಶವಂತ್ ಭೂಪಾಲ್



ಶರಣಾಥಾೞ್ಕನನ್ನಡಿರದ ಸುದ್ದಿ

ಬಳ್ಳಾರಿ ಡಿ 16, ಬಳ್ಳಾರಿ ನಗರದ ಪ್ರತಿಷ್ಠಿತ ವಿದ್ಯಾಸಂಸ್ಥೆಯಾದ ಬಳ್ಳಾರಿ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ & ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್ ಕಾಲೇಜಿನ ಎಲೆಕ್ಟ್ರಿಕಲ್ & ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ವಿದ್ಯಾರ್ಥಿನಿಜಿ. ಪೃತಿಶಾ ಅವರು ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ 2023-24ನೇ ಸಾಲಿನ ಅಂತಿಮ ವರ್ಷದ ಪರೀಕ್ಷೆಯಲ್ಲಿ ಪ್ರಥಮ ರ್ಯಾಂಕ್ ಗಳು ಸಾಧನೆಗೈದಿದ್ದಾರೆ. ಅವರಿಗೆ ಇದೇ ತಿಂಗಳ 18ರಂದು ನಡೆಯುವ ವಿಶ್ವವಿದ್ಯಾಲಯದ 24ನೇ ಘಟಕೋತ್ಸವದಲ್ಲಿ ಏಳು ಚಿನ್ನದ ಪದಕಗಳನ್ನು ರಾಜ್ಯಪಾಲರಿಂದ ಪಡೆಯಲಿದ್ದಾರೆ. ಮತ್ತು ಇದೇ ವಿಭಾಗದ ವಿದ್ಯಾರ್ಥಿ ರಿತಿಕ್ ಕುಮಾರ್ ನಾಯಕ್ ವಿಳೇ ರ್ಯಾಂಕ್ ಪಡೆದಿದ್ದಾರೆ. ಹಾಗೆಯೇ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ & ಕಮ್ಯುನಿಕೇಷನ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಲ್ಲಿ ಸಂಧ್ಯಾರಾಣಿಯವರು 3ನೇ ರ್ಯಾಂಕ್ ಗಳಾದ ಮೂಲಕ ಅಸಾಧಾರಣ ಸಾಮರ್ಥ್ಯ ಮತ್ತು ಶೈಕ್ಷಣಿಕ ಉತ್ಕೃಷ್ಟತೆಯನ್ನು ಪ್ರದರ್ಶಿಸುತ್ತಾ, ನಮ್ಮ ವಿದ್ಯಾರ್ಥಿಗಳು ಉನ್ನತ ಕ್ಷಣಗಳನ್ನು ಪಡೆದುಕೊಂಡಿದ್ದಾರೆ ಮತ್ತು ನಮ್ಮ ಸಂಸ್ಥೆಗೆ ಹೆಚ್ಚು ತಂದಿದ್ದಾರೆ ಎಂದು ಕಾಲೇಜಿನ ಪ್ರಾಚಾರ್ಯರಾದ ಡಾ. ಯಡವಳ್ಳಿ ಬಸವರಾಜ್ ಅವರು ಹೆಚ್ಚು ಸಂತೋಷವಾಗಿ ತಿಳಿಸಿದ್ದಾರೆ.

ಇದೇ ಎಲೆಕ್ಟ್ರಿಕಲ್ & ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಲ್ಲಿ ಸಹಿತ ಮೂರು ವರ್ಷಗಳಿಂದ ಚಂದನ (2020-21) ಮತ್ತು ಸಂಪತ್ ಕುಮಾರ್ (2022-23) ಕೂಡ ಪ್ರಥಮ ರ್ಯಾಂಕ್ ಪಡೆದು ಚಿನ್ನದ ಪದಕಗಳನ್ನು ಗಳಿಸಿರುತ್ತಾರೆ ಎಂದು ತಿಳಿಸಿದರು. "ಈ ಸಾಧನೆಗಳು ನಮ್ಮ ವಿದ್ಯಾರ್ಥಿಗಳ ಕಠಿಣ ಪರಿಶ್ರಮ ಮತ್ತು ಸಂಕಲ್ಪ, ನಮ್ಮ ಅಧ್ಯಾಪಕರ ಸಮರ್ಥನೆ ಮತ್ತು ನಮ್ಮ ಸಂಸ್ಥೆಯಲ್ಲಿನ ಬೆಂಬಲ ಕಲಿಕೆಯ ವಾತಾವರಣಕ್ಕೆ ಸಾಕ್ಷಿಯಾಗಿವೆ. ಅವರ ಅತ್ಯುತ್ತಮ ಸಾಧನೆಗಳಿಗಾಗಿ ಇವು ಪೃತಿಶಾ, ರಿತಿಕ್ ಮತ್ತು ಸಂಧ್ಯಾ ಅವರಿಗೆ ನಮ್ಮ ಹೈತೂರದ ಅಭಿನಂದನೆಗಳನ್ನು ಸಲ್ಲಿಸುತ್ತೇವೆ" ಎಂದು ಕಾಲೇಜಿನ ಅಧ್ಯಕ್ಷರಾದ ಡಾ. ಯಶವಂತ್ ಭೂಪಾಲ್ ತಿಳಿಸಿದ್ದಾರೆ.

ನಿರ್ದೇಶಕರಾದ ವೈ.ಪ್ರದೀಪ್ ಭೂಪಾಲ್, ಉಪಪ್ರಾಚಾರ್ಯರಾದ ಡಾ.ಬಿ.ಎಸ್.ಬೇಣೇರ್, ಇವರ ವಿಭಾಗ ಮುಖ್ಯಸ್ಥರಾದ ಡಾ. ಕರಣ ರೆಡ್ಡಿ, ಇವರ ವಿಭಾಗ ಮುಖ್ಯಸ್ಥರಾದ ಡಾ.ಸಿದ್ದೇಗೃಹತ. ಕೆ.ಎಂ. ಆದರ್ಶಾಧಿಕಾರಿಗಳಾದ ಅಮರೇಶಯ್ಯ, ಪಿ ಹಾಗೂ ಶಿಕ್ಷಕ ಶಿಕ್ಷಕ-ಕೇತರ ಸ್ವಾಂದಿಯವರು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಅಭಿನಂದನೆಗಳನ್ನು ಸಲ್ಲಿಸಿರುತ್ತಾರೆ.

TECHNICAL TALKS

The Department of Electronics & Communication at Ballari Institute of Technology and Management organized A Technical Talk “Machine Learning for Real-Time Applications” on August 7th, 2023, with Dr. Miguel Garcia Torres from the Universidad Pablo de Olavide Spain, as the speaker.

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI
 Autonomous Institute under Visvesvaraya Technological University, Belagavi
IEEE Student Branch BITM
 In Association with
R&ID Cell and Institute Innovation Council, BITM
 Presents
A Technical Talk on
Machine Learning for Real-Time Applications
AND
Inauguration of 6G Center of Excellence on
Signal Processing & Communication
 Technically partnered by: IISC Bangalore
On Monday, 7th August 2023 at 9:30 AM Venue: BITM Auditorium

Dr. Miguel Garcia Torres
 Universidad Pablo de Olavide
 Spain

Dr. Abdul Lateef Haroon, P.S. (IEEE IIS Councilor, BITM)
Dr. K.M Sadyojatha (HOD (ECE), BITM)
Dr. V.C. Patil (Dean (R&D))
Dr. B.S. Khenned (VP J Dean (Acad))
Dr. Yadavalli Basavaraj (Principal)
Mr. Y.J Prithviraj Bhupal (Deputy Director, BITM)
Dr. Yashwanth Bhupal (Director, BITM)



TECHNICAL TALKS

The Department of Electronics & Communication at Ballari Institute of Technology and Management organized A Technical Talk on “Empowering Education-The Future of AI in Tertiary Learning” on November 3rd, 2023, with Dr. Chin Kuan Ho V Vice chancellor from the Asia Pacific University of Technology & Innovation, Malaysia, as the speaker.

Basavarajeswari Group of Institutions
 ಬಾಸವರಾಜೇಶ್ವರಿ ಗ್ರೂಪ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ & ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್, ಬಾಸವರಿ
BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI
 Autonomous Institute under VTU, Belagavi
 Dept. of Electronics & Comm. Engg.
 IEEE Student Branch BITM
 In Association with
 BITM R&ID and Institute's Innovation Council Cell, BITM
 Presents
 A Technical Talk on
**"Empowering Education –
 The Future of AI in Tertiary Learning"**
 Friday, 3rd November 2023 @ 10:00 am to 12:00 Noon
 Venue: BITM Auditorium



Dr. Chin Kuan Ho V
 Vice Chancellor
 Asia Pacific University of Technology &
 Innovation, Malaysia

Dr. Yadavalli Basavaraj Principal	Mr. Y J Prithviraj Bhupal Director, BITM	Dr. Yashvanth Bhupal Chairman, BITM
Dr. B.S. Khened VP & Dean (Aca)	Dr. V.C. Patil Dean (R&D)	Dr. Abdul Latif Haroon.PS IEEE SB Counselor, BITM
		Dr. K M Sadyojatha HOD (ECE), BITM



TECHNICAL TALKS

The Department of Electronics & Communication at Ballari Institute of Technology and Management organized A Technical Talk on “Advanced Management of Smart Telecommunications with AI/ML” on November 27th, 2023, with Dr. Rocia Perez de Pardo from the University of Jaen, Spain, as the speaker.



The poster features logos for BITM, A+, NSR, and IEEE Bangalore Section at the top. The text is in Kannada and English, detailing the event's location at Ballari Institute of Technology & Management, its association with BITM R&ID and the IEEE Student Branch, and the speaker's name and affiliation. It also lists the date, time, and venue.

Basavarajewari Group of Institutions
ಬಳ್ಳಾರಿ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ & ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್, ಬಳ್ಳಾರಿ.
Ballari Institute of Technology & Management, Ballari
Autonomous Institute under VTU, Belagavi
Dept. of Electronics & Comm. Engg.
IEEE Student Branch BITM
In Association with
BITM R&ID & Institute Innovation Council Cell, BITM
Presents
A Technical Talk on
Advanced Management of Smart Telecommunications with AI/ML
Monday, 27th November 2023 @ 10:00 Am to 12:00 Noon
Venue : BITM Auditorium

Dr. Rocío Pérez de Prado
University of Jaen,
Spain

Mr. Prithviraj.Y.J.
Director, BITM, Ballari
Dr. B.S. Khened
VP & Dean (Acn)
Dr. V.C. Patil
Dean (R&D)
Dr. Yashwanth Bhupal
Chairman, BITM, Ballari
Dr. Abdul Lateef Haroon P S
IEEE SB Counsellor, BITM
Dr. Yadavalli Basavaraj
Principal, BITM, Ballari
Dr. K M Sadyajatha
HOD (ECE), BITM, Ballari



EVENTS



Second IEEE International Conference on Distributed Computing, Electrical Circuits and Electronics (ICDCECE-23) on 29th and 30th April 2023





Aarambha 2023(2days) holistic orientation program on 7 th and 8th December 2023



Student development program on applications of python programming language conducted on 27th of December 2023



DEPARTMENT OF EEE



Dr. Sharana Reddy **Professor & HoD**

With the ever-growing demand for Electrical and Electronics Engineers in all sectors, the Department's focus is to train our students to gain strong academic knowledge in frontier areas, including electrical, electronics, and IT-related engineering, and also to prepare students to face real-world challenges.

The Department has highly experienced faculty members who display a high level of dedication and enthusiasm towards both teaching and state-of-the-art research. The faculty has sound knowledge in emerging research areas like adaptive and robust control schemes for power electronic applications, power systems, electrical machines and drives, control of electric vehicles and energy management, power system optimization, active distribution networks, home energy management, and smart grid technologies. Our faculty members are continuing their respective research projects and publishing research articles in reputable national and international journals.

The department is active in organizing various workshops, technical talks, industrial visits, and seminars through the department forum, Circuit Riders, to enhance the knowledge and skills of the faculty and students in cutting-edge technologies. Our department's students are also highly encouraged to implement their innovative research ideas with the help of expert faculty members and the available standard research lab facilities in the department.

At present, the department offers a four-year undergraduate program, B.E. (Electrical and Electronics Engineering), and a PhD program in Electrical and Electronics Engineering specializations. The focus of this curriculum is aligned with the current and upcoming industry requirements in the future (Industry 4.0).

The Electrical and Electronics Engineering graduate has a wide range of career opportunities in power industries, government PSUs, R&D units, IT industries, electricity boards/utility companies, telecommunications industries, manufacturing industries, private industrial firms, and startup companies.

Teaching Faculty

S. No.	Name of the Faculty	Designation	Qualification	Teaching Experience	No. of research publications
1	Dr B S Khened	Professor Dean (AC) & Vice principal	PhD	37	15
2	Dr. Sharana Reddy	Professor & HoD	PhD	24	10
3	Dr.Raghavendra P	Assoc.Professor	PhD	5	6
4	Dr. Abdul Khadar A	Assoc.Professor	PhD	22	10
5	Mrs.Arathi P B	Asst. Professor	M Tech	17	2
6	Mr .Y Kamal Kishore	Asst. Professor	M Tech	15	2
7	Mr.Shridhar S. M	Asst. Professor	M Tech	14	2
8	Mr.Mahammad Anwar	Asst. Professor	M Tech	12	2
9	Mrs.Parvathi	Asst. Professor	M Tech	12	2
10	Mrs.Sujatha D	Asst. Professor	M Tech	14	
11	Mrs.Farzana Begum K	Asst. Professor	M Tech	13	
12	Mr.Vijaya Krishna M	Asst. Professor	M Tech	9	
13	Mr. Harish Kumar G	Asst. Professor	M Tech	9	

S. No	Name of the Faculty	Designation	Qualification	Teaching Experience	No. of research publications
13	Mr. Harish Kumar G	Asst. Professor	M Tech	9	
14	Mr.Santhosha B M	Asst. Professor	M Tech	9	
15	Mr Vijay Kumar M K	Asst. Professor	M Tech	14	
16	Mrs. PushpalathaKumari M	Asst. Professor	M Tech	9	
17	Mrs. Rajyalakshmi P	Asst. Professor	M Tech	8	
18	Ms. NandiniPatil	Asst. Professor	M Tech	4.5	
19	Mr Shashidhara B	Asst. Professor	M Tech	3	
20	Mrs.Priyanka H T	Asst. Professor	M Tech	4.5	
21	Mrs. ZoyaParvez	Asst. Professor	M Tech	3.5	
22	Ms Kurshiya Biradar S	Asst. Professor	M Tech	<1 year	
23	Ms.Soujanya B N	Asst. Professor	M Tech	<1 year	
24	Mrs.Shafreen Parvez	Asst. Professor	M Tech	<1 year	
25	Ms.Ummi Hani	Asst.Professor	M Tech	2 years	
26	Mrs. Naga Pratyusha B	Asst.Professor	M Tech	2 years	

Non-Teaching Faculty

S. No.	Name of the Staff	Designation	Experience
1	Mr. A Eranna	Instructor	22
2	Mr. Devendrappa	Instructor	17
3	Mr. Venkatesh S	Instructor	15
4	Mr. Manjunatha D	Instructor	18
5	Mr. Mahaboob Sab	Instructor	18
6	Mr. Shreekantha A	Instructor	14
7	Mr. V. Vishwanath	Instructor	15
8	Mr. Nandeesh O	Instructor	5
9	Mr. Venugopal	Instructor	7
10	Mr. Vishwanath K	Instructor	5
11	Mr. Zakir Hussain S	Instructor	3
12	Mr. Chetan Kumar	Instructor	3
13	Mr. Mohan Reddy B	Helper	4
14	Bhagyamma V	Helper	5
15	Kavitha V	Helper	5
16	Nirmala K T	Helper	5
17	Lakshmi K	Helper	0

Awards & Recognitions

Presented conference paper titled “A Study On 7-Level CML Inverter Using Hybrid PWM Technique For Reduction of Harmonics And Switching Losses”

1. M. Vijaya Krishna, Asst.Prof., Dept. of EEE, BITM.
 2. Vijaykumar. M. K, Asst.Prof., Dept. of EEE, BITM.
 3. Shridhar. S. M, Asst.Prof., Dept. of EEE, BITM.
 4. Harish Kumar G, Asst.Prof., Dept. of EEE, BITM.
- The 1st International conference on CSEAi 2023 organized by dept. of CSE, Lendi Institute of Technology & Engineering, Vizianagaram, in collaboration with California State University USA on 17th & 18th NOV 2023.

Presented conference paper titled “Power Supply in Switch Mode for a Multilevel Inverter”

1. Mahammad Anwar, Asst.Prof., Dept. of EEE, BITM.
 2. Santhosha B M, Asst.Prof., Dept. of EEE, BITM.
 3. Shashidhara. B, Asst.Prof., Dept. of EEE, BITM.
- The 1st International conference on CSEAi 2023 organized by dept. of CSE, Lendi Institute of Technology & Engineering, Vizianagaram, in collaboration with California State University USA on 17th & 18th NOV 2023

Presented conference paper titled “Modeling and Simulation Analysis of Cell Voltage Balancing Techniques for Lithium-Ion EV Battery”

1. Shridhar. S. M, Asst.Prof., Dept. of EEE, BITM.
 2. Dr. Sharana Reddy, Professor & HOD, EEE, BITM
 3. Y Kamal Kishore, Asst.Prof., Dept. of EEE, BITM.
- The Third International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE) organized by IEEE SB Ballari Institute of Technology & Management on 26-27 April, 2024

Student Development program was organized on “Making a Printed Circuit Board (PCB)” for 5th Sem EEE student on 28/12/2023.

Organizing Committee

1. Mr. Shridhar. S. M
2. Mr. Mahammad Anwar
3. Prof. Santhosha B. M

Resource Person Details

1. Mr. Shridhar. S. M, Asst.Prof., Dept. of EEE, BITM.
2. Mr. Mahammad Anwar. Asst.Prof., Dept. of EEE, BITM

Presented conference paper titled “Design and Implementation of MPPT Solar Charge Controller Using Hill Climbing Algorithm”

1. Dr. Sharana Reddy, Professor & HOD, EEE, BITM
 2. Shridhar. S. M, Asst.Prof., Dept. of EEE, BITM.
 3. M. Vijaya Krishna, Asst.Prof., Dept. of EEE, BITM.
- The Third International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE) organized by IEEE SB Ballari Institute of Technology & Management on 26-27 April, 2024.

Events

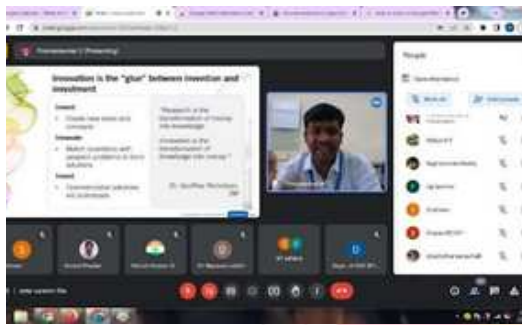
Expert talk was organized by EEE dept on “Process of Innovation Development, Technology Readiness Level (TRL); Commercialization of Lab Technologies & Tech- Transfer” on 26/02/2024.

Organizing Committee

1. Dr. Abdul Khadar, Professor, Dept. of EEE, BITM.
2. Mr. Harish Kumar G. Asst.Prof., Dept. of EEE, BITM.

Resource Person:

- Prof. PRAVEEN KUMAR C is currently working as Assistant Professor in Department of Electrical and Electronics Engineering at Sri Siddhartha Institute of Technology, Tumkur.



Awareness "The National Energy Conservation Week" Bureau of Energy Efficiency (BEE) in connection with the "National Energy Conservation Day"

The procession about awareness of energy efficiency and energy saving activities was organized by the Electrical and Electronics Engineering students and staff of Ballari Institute of Technology and Management, Ballari. As a part of "The National Energy Conservation Week" Bureau of Energy Efficiency (BEE) in connection with the "National Energy Conservation Day", which is celebrated on 14th December each year. BEE, Ministry of Energy, Government of India has partnered with KREDL for a week to create awareness on energy efficiency and energy conservation among the public and students.

As a part of this, on 14th December 2023, Thursday at 11 AM, Around 2000 pamphlets with energy saving tips distributed to the public throughout the rally. Also students and staff chanted with energy saving slogans and carried the placards throughout the rally. By this we created an awareness of green energy, energy saving tips among public of Kolagallu, Ballari. More than 125 students and faculty from various department were participated.



Department day “PARICHAYA-2023” was celebrated on 22nd DEC 2023, to welcome the 2nd year students to the department.



Technical talk on “Electric Vehicle Technology” was organized on 22nd DEC, 2023

Organizing Committee

- Mr. Y Kamal Kishore, Asst.Prof., Dept. of EEE, BITM.
- Mr. Shridhar S M. Asst.Prof., Dept. of EEE, BITM.

Resource Person

- Prof. Chandan K R is currently working as Assistant Professor in Department of Electrical and Electronics Engineering at JNNCE Shivamogga.



Talents
Explored



Project Exhibition of final year students was organized by the Department of Electrical and Electronics Engineering on 8th & 9th of May 2024.





DEPARTMENT OF CIVIL



Dr. D Manikanta,
Associate Professor, HOD

The Department of Civil Engineering is delighted to incorporate the activities of our department in brief for the upcoming Bhoomika magazine. The Department of Civil Engineering possesses smart teaching tools in the classroom and well-established laboratories at the institute. The department is achieving exceptional results in academics and placement activities compared to neighboring colleges.

The department is also well-versed in faculty performance, enhancing department growth with a good number of SCOPUS/SCI publications and patents received, as most of the teaching faculty are research scholars in various reputed universities and affiliated colleges to VTU.

The department has successfully conducted various technical talks, workshops, and faculty development programs by renowned resource persons in the field of civil engineering. Overall, the department promotes a modern work culture, discipline, and ethics. I wish all the best to Team Bhoomika.

Teaching Faculty

S NO	NAME	DESIGNATION	DEPT	QUALIFICATION
1	Dr. D. Manikanta	Associate Prof & Head	CIVIL	B.E. M.Tech(Str) Ph.D
2	Mr. Basavaraj B	Asst. Prof	CIVIL	B.E. M.Tech(Str)
3	Mr.Md Khalid S	Asst. Prof	CIVIL	B.E. M.Tech(Str)
4	Mr.Anil Kumar H M	Asst. Prof	CIVIL	B.E. M.Tech(CT)
5	Mr.Ravichandra Honnalli	Asst. Prof	CIVIL	B.E. M.Tech(GTE)
6	Mr. Shiva Kumar K	Asst. Prof	CIVIL	B.E. M.Tech(Str)
7	Mr. Syed Sadath Ali	Asst. Prof	CIVIL	B.E. M.Tech(GI)
8	Mr. Praveen Ashok M	Asst. Prof	CIVIL	B.E. M.Tech(TE& M)
9	Mr. Vinay Kumar Hunagund	Asst. Prof	CIVIL	B.E. M.Tech(GTE)
10	Mr. Tanu H M	Asst. Prof	CIVIL	B.E. M.Tech(CT)
11	Mrs. Nirmala M V	Asst. Prof	CIVIL	B.E. M.Tech(Str)
12	Mr. Raviteja U	Asst. Prof	CIVIL	B.E. M.Tech(Str)
13	Mr.Mohammed Haseebulla M	Asst. Prof	CIVIL	B.E. M.Tech(Str)
14	Mrs.Brunda A	Asst. Prof	CIVIL	B.E. M.Tech(TE& M)
15	Mr. Ambareesh V	Asst. Prof	CIVIL	B.E. M.Tech(Str)
16	Mr. Srinivas Pujari	Asst. Prof	CIVIL	B.E. M.Tech(Str)

Non-Teaching Faculty

S NO	NAME OF THE STAFF	DESIGNATION
1	Mr.Nagaraj N	Instructor
2	Mr. Keshavamurthy B	Supervisor
3	Mrs.Gaziya Syed	Supervisor
4	Mr. Manikanta	Instructor
5	Gangadhara	Supporting Staff

AWARDS & RECOGNITIONS



Talents Explored

Student workshop on “Software skill enhancement (Stadd pro, RCDC and google sketchup)”



The Department of Civil Engineering has organised a student workshop on “Software skill enhancement (Stadd pro, RCDC and google sketchup)” from 21.12.23 to 23.12.23 at Civil CAD lab, 2nd floor, admin & PG block.

Mr. Haseebulla & Mr. Ambareesh V coordinated the 3 days workshop.

The head of the department Dr. Manikanta D, addressed the gathering and importance of workshop.

Mr. Basavaraj B and Mr. Md Khalid S gave detailed explanations about Vasthu and building bylaws to the students.

Mr. Haseebulla and Mr. Srinivas P has given detailed explanations and hands on the application ‘Staad Pro & RCDC’ in the workshop.

Mr. Ambareesh V has explained about importance of 3D elevations and use of Google Sketchup along with V-ray 3D rendering software in a workshop.

Followed by Valedictory Function in the presence of Dr. Yadavalli Basavaraj, Principal, BITM Ballari. And Distributed certificates to the students involved in 3 days workshop.

DAM VISIT :




A Technical Visit to Tungabhadra Dam, Munirabad.

A Department of Civil Engineering conducted a technical visit for final year students to Tungabhadra Dam site on 31st October 2023 to know different components of dam and their effective operational processes.

64 students along with faculties visited dam site and understood effective utilisation of water for Irrigation purpose. And also students have undergone detailed investigation on Dam Gate Operation, Electricity production Power House and Drainage Gallery.

Recognition as a research supervisor


ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
 ("ವಿ ಓ ಯು ಉದಿಯೆಮು ಗಣೇಶ್" ರ ಅಧೀನಿಲ್ಲ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
Visvesvaraya Technological University
 (State University of Government of Karnataka Established as per the VTU Act, 1994)
 "Jnana Sangama" Belagavi-590018, Karnataka, India

Dr. B. E. Rangswamy, Ph.D.
REGISTRAR

 Phone: (0831) 2498100
 Fax : (0831) 2405467

VTU/BGM/Aca./Ph.D./2022-23/RS-543 Date: 2023-08-07

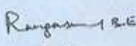
Sub: Recognition as Research Supervisor
 Ref: VTU/BGM/Aca./Ph.D./2022-23/20725 dated:01-03-2023.

With reference to your application for Recognition as Research Supervisor/ Research Co-Supervisor to supervise Scholars pursuing Research programmes of VTU, the University is pleased to inform you that your application has been considered and you have been recognized as Research Supervisor of VTU. You can supervise Scholars pursuing Ph.D./M.S.(Research)/ Integrated Ph.D. programmes as a Research Supervisor or Co-Supervisor* from 2023 onwards.

On acceptance as a Research Supervisor, you shall adhere to Regulations of Ph.D./M.S.(Research)/ Integrated Ph.D. programmes and to the corresponding amendments notified from time to time.

You are required to submit a report on your Research related progress in the prescribed format to the university every year. On the basis of the same and recommendation of the expert committee, university will decide about your further continuation of the recognition as Research Supervisor.


Sl.No.	Particulars
1.	Name and Address of the Recognized Research Supervisor D.R.D MANIKANTA D. BADRINARAYANA D.NO 571A WARD NO.29 SILV NILETA MJ NAGAR 6TH CROSS 2ND MAIN HOSPET
2.	Registration ID 032023RSCV004124
3.	Designation (Professor/Associate Professor/ Assistant Professor) or Actual Designation with AICTE cadre equivalence Assc. Professor
4.	Recognised Faculty under which research is to be carried out FACULTY OF CIVIL ENGINEERING SCIENCES
5.	Department in which the VTU recognized Research Center is established CIVIL ENGINEERING
6.	Recognition date/month/year of Research Supervisor 2023-08-07


Registrar

*In case if, you are supervising a candidate not from your institute's/department's Research Centre approved by VTU, you are permitted to act only as Co-Supervisor.

Date: 2023-08-12 & Time: 14:26:27 Web portal: <https://jnanashodha.vtu.ac.in> Page 1 of 1

Research scholar allotment details


ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
 ("ವಿ ಓ ಯು ಉದಿಯೆಮು ಗಣೇಶ್" ರ ಅಧೀನಿಲ್ಲ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
Visvesvaraya Technological University
 (State University of Government of Karnataka Established as per the VTU Act, 1994)
 "Jnana Sangama" Belagavi-590018, Karnataka, India

12/02/23, 9:42 AM JNANASHODHA

RESEARCH SUPERVISOR / CO-SUPERVISOR DETAILS

REGISTRATION ID 032023RSCV004124 **RESEARCH SUPERVISOR / CO-SUPERVISOR NAME** DR.D MANIKANTA
MOBILE Ph. No. 8072162546 **EMAIL-ID** manikanta299@gmail.com
DEPARTMENT CIVIL ENGINEERING

RESEARCH SCHOLAR ALLOTMENT DETAILS

Candidate Name	Candidate Department	Guide Type	Research Center Name	Allotment Date
MOHAMMED HASEEBULLA M	CIVIL ENGINEERING	Supervisor	BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT BELLARY	December 19, 2023
RAVITEJA U	CIVIL ENGINEERING	Supervisor	BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT BELLARY	December 19, 2023

REGISTRAR

NOTE:
 No signature required as this is system generated document.
 * ಶಿಕ್ಷಣ ವಿಸ್ತಾರ ಮತ್ತು ಅಭಿವೃದ್ಧಿಗಾಗಿ ದೇಶದ ಯೇಕನೂ ನಿರ್ವಹಣೆ ವಿಭಾಗ (ಡಿ. ಎಮ್. ಸಿ), ವಿ.ಐ.ಎ. ದೆಹಲಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಭಾರತ.
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<https://jnanashodha.vtu.ac.in/SupervisorRegistrationGuideAllotmentDetails.php> 1/1

Department of Civil Engineering, BITM Ballari, organised Technical field visit to "Halley's Blue" steel structure factory, Ballari on 09/03/2024. Duly coordinated by Prof Tanu, Haseebullah, Ravichandra & Shivakumar.



DEPARTMENT OF MECHANICAL ENGINEERING



**Dr. Venkata Ramana
Professor & HOD**

I am happy and proud to greet you through this message. The Department of Mechanical Engineering was established to provide quality higher education and to develop leaders in Mechanical Engineering and Management. In doing so, we emphasize excellence in teaching, learning, and research, preparing tomorrow's industry practitioners. We know our graduates will help build tomorrow's India and the world. If you are thinking of becoming a leader in making the world a better place to live in, then you should consider becoming a part of the Mechanical Engineering Department of BITM.

Teaching Faculty

SN	Name	Qualification	Area of Specialization	Designation	Experience
1	Dr. Yadavalli Basavaraj	PhD	Maintenance Engg	Prof. & Principal	33
2	Dr. Raghavendra Joshi	PhD	Design Engg	Professor & CoE	26
3	Dr. V. Venkata Ramana	PhD	Production Engg	Professor & HoD	26
4	Dr. B. Ganesh	PhD	Production Engg	Asso. Professor	31
5	Dr. Lakshmi Kumari	PhD	Production Engg	Asso. Professor	21
6	Dr. H.M. Anil Kumar	PhD	Production Engg	Asso. Professor	24
7	Dr. Banakara Nagaraj	PhD	Maintenance Engg	Asso. Professor	14
8	Dr. Manjunatha .T.H	PhD	Machine Design	Asso. Professor	13
9	Dr. Pavan Kumar .B. K	PhD	Machine Design	Asst. Professor	14
10	Dr. Shivaramakrishna .A	PhD	Machine Design	Asst. Professor	14
11	Dr. Santhosh V Janamatti	PhD	Manufacturing Engg	Asst. Professor	12
12	Mr. Shekar .K	M. Tech	Energy System Engg	Asst. Professor	13
13	Mr. Vishnu Prasad B	M. Tech	Thermal Power Engg	Asst. Professor	25
14	Mr. B. Jayaprakash	M. Tech	Thermal Power Engg	Asst. Professor	22
15	Mr. V. Srinivasulu	M. Tech	Thermal Power Engg	Asst. Professor	21
16	Mr. K. Raghavendra	M. Tech	Design Engg	Asst. Professor	19
17	Mr. Mohammed Fayaz .k	M. Tech	Machine Design	Asst. Professor	13
18	Mr. E. Manjunath	M. Tech	Polymer Science	Asst. Professor	14
19	Mr. Shiva Kumar S.Y	M. Tech	Design Engg	Asst. Professor	13
20	Mr. Mayur Pawar. D	M. Tech	Machine Design	Asst. Professor	12
21	Mr. B.P. Vijay Kumar	M. Tech	Machine Design	Asst. Professor	11
22	Mr. K.C. Venkatesh	M. Tech	Machine Design	Asst. Professor	11
23	Mr. K. Rajashekar	M. Tech	Machine Design	Asst. Professor	10
24	Mr. Gavisiddesha .P	M. Tech	Energy System Engg	Asst. Professor	10
25	Mr. Raghavendra Karnool	M. Tech	Thermal Engg	Asst. Professor	11
26	Mr. A. Taranath	M. Tech	Production Mgmt.	Asst. Professor	10
27	Mr. Raghavendra Shetty	M. Tech	Design Engg	Asst. Professor	09
28	Mr. B. Maharaja Gouda	M. Tech	Design Engg	Asst. Professor	10
29	Mr. Kalyan Babu S. T	M. Tech	Design Engg	Asst. Professor	09
30	Mr. Irayya Shikkerimath	M. Tech	Design Engg	Asst. Professor	08

Non-Teaching Faculty

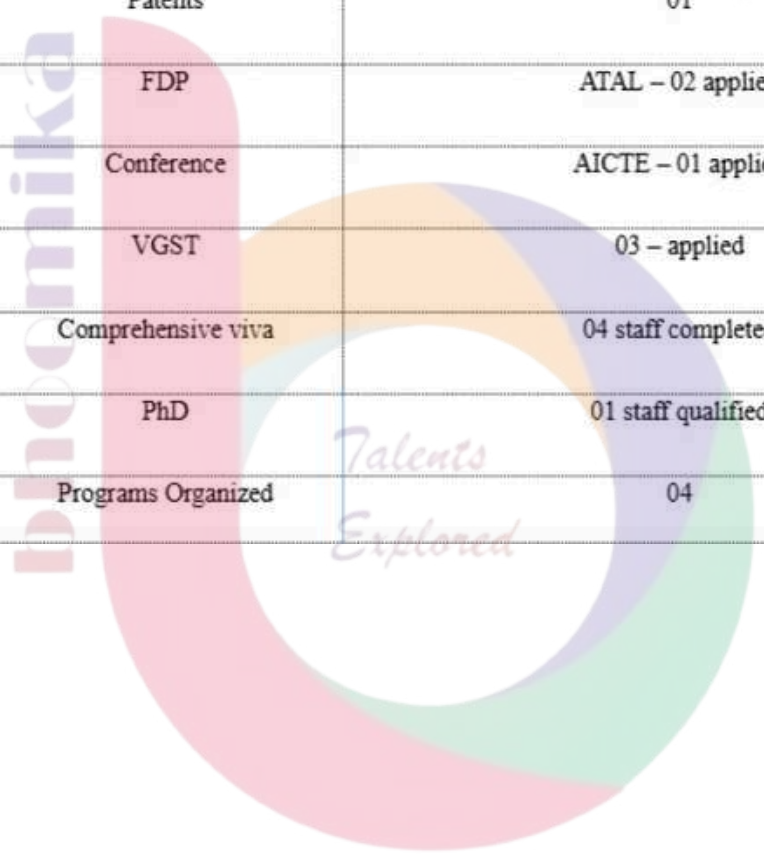
S. No	Name of the Staff Non-Teaching	Designation
1	Mr. Madhusudhan Gouda	Foreman
2	Mr. Vinod Kumar G	Foreman
3	Mr. Mahesh K	Instructor
4	Mr. Giri Prasad B	Instructor
5	Mr. Sree Giri	Instructor
6	Mr. Basavaraj Pattar	Instructor
7	Mr. Bhavani Prasad T	Instructor
8	Mr. Mallikarjuna K	Instructor
9	Mr. Sridhar Mitte	Instructor
10	Mr. Allam Pasha	Instructor
11	Mr. Krishna Reddy	Instructor
12	Mr. Girish V	Instructor
13	Anjinamma (Ramajinamma)	Helper
14	Sadamma (Laxamma)	Helper
15	Varalaxmi	Helper
16	Neelamma	Helper
17	Shankaramma P	Helper
18	Durgamma	Helper
19	Gavigangamma K	Helper
20	D Huligemma	Helper
21	Ramulamma	Helper
22	Anjinamma V	Helper
23	Gouramma K	Helper
24	Govindamma V	Helper
25	Rajeshwari V M	Helper

Faculty Publications And Journals

SN	Author/ Co-Author	TITLE OF THE PAPER	JOURNALS/CONFERENCES	National / International
1.	Dr. Anil Kumar H.M	Effect of Process Parameters on Tensile Behaviour of FSW AA 6061-AA 7075 Reinforced with TiO ₂ Particles using Statistical Approach	Journal of Mines, Metals and Fuels	International Journal
2.	Santosh V Janamatti	Mechanical Behavior And Fractography Analysis Of Zn-Sn Alloy Matrix Composites Reinforced With Nano B ₄ c Particles	Research on Engineering Structures & Materials	International Journal
3.	B. K. Pavan Kumar, Dr. Yadavalli Basavaraj	Vibration Analysis of Frequency Domain Data using MATLAB for Application of Rotating Part Machines in Industry	International Journal of Mechanical Engineering	International Journal
4.	Shekar K	Intermittent Drying Of Guava Fruit Using Solar Photovoltaic Assisted Dryer	European Chemical Bulletin	International Journal
5.	Shekar K	Influence Of Intermittent Ratio And Fruit Thickness On Guava Fruit Drying: An Experimental Analysis	AIP Conference Proceedings	International Conference
6.	Shekar K	Computational Models For Assessment Of Renewable Energy Potential And Load Analysis	European Chemical Bulletin	International Journal
7.	Shekar K	Environmental Feasibility of PV Assisted Intermittent Crop Dryer	IEEE- Conference	International Conference

Papers/Patents/FDP/Conferences etc.

SLNO	Particulars	Remarks
1	Scopus Papers	Total 18 Papers communicated & 9 published
2	Patents	01
3	FDP	ATAL – 02 applied
4	Conference	AICTE – 01 applied
5	VGST	03 – applied
6	Comprehensive viva	04 staff completed
7	PhD	01 staff qualified
8	Programs Organized	04



Additional facilities were created to improve the quality of the learning experience in laboratories.

Advanced laboratory facility is set up as an additional facility to facilitate the student & faculty into research projects, and consultancy and to gain practical knowledge bridging the gap between industry and institute.

The following are the facilities available in the department

S. No.	Facility	Details	Reasons for Creating Facility	Utilization	Areas in which the students are expected to have enhanced learning
1	Advanced Flexible Manufacturing Systems Laboratory	CNC Milling Machine & CNC Vertical Drill Tap CNC Lathe 6 Axis Robotic Arm Automated Guided Vehicle Automated Storage & Retrieval System 12 PCs with Internet Facility	Advanced Practical Knowledge in Manufacturing - NC Programming and Consultancy	100%	Manufacturing Engineering
2	Condition Monitoring Setup	Vibration Analysis in Rotating components in Horizontal, vertical & Axial Directions	Vibration Analysis and Consultancy	100%	Maintenance Engineering
3	Advanced modeling Lab	NX11 Design Module & CATIA V5	Knowledge of Design and Modeling	100%	Design Engineering
4	Design and Analysis Lab	Ansys16	Advanced Practical Knowledge in Design and Analysis	100%	Design & Analysis

Consolidated list of publications for the year 2023-2024

SN	Author/ Co-Author	Title of the paper	Journals/Conferences	Remarks
1	Dr. Banakar Nagaraj	A Comparative Study on abrasive wear behavior of TiB ₂ /Graphite reinforced cast and hot rolled AL7075-Based hybrid MMCs	Journal of The Institution of Engineers (India) Series D	International Journal
2	Dr. Manjunatha T H	Comparative Study on abrasive wear behavior of TiB ₂ /Graphite reinforced cast and hot rolled AL7075-Based hybrid MMCs	Research on Engineering Structures & Materials	International Journal
3	Mr. Irayya Shikkerimath	Comparative Study on Structural Analysis of Wind Turbine Blade with Different Materials Using ANSYS Workbench.15	International Journal of Innovative Research in Science, Engineering and Technology	International Journal

Board of Studies

S. No.	Name of the Member	Designation	Organization
1.	Dr. V. Venkata ramana	Chairman	Professor & Head Mechanical Engg.
2.	Faculty Members at different levels veering different specializations	Members	-
3.	Mr. SUNIL KATARIA	Member	Executive Vice President, JSW Steels Ltd., Toranagallu (Karnataka)
4.	Dr. RAMESHWAR SAH,	Member	Associate Vice President, R & D Department JSW Steels Ltd., Toranagallu
5.	Dr. JAYANT KITTUR	Member	Principal, KLS Gogte Institute of Technology – Belagavi
6.	Ganapathy Bhatta A.S.	Member	Triveni Turbine Limited
7.	Mr. SUBODH KUMAR,	Member	Asst. Manager, JSW Steels Ltd. – Toranagallu
8.	Mr. Vijeesh Kumar A	Member	Harita TechServ Ltd.,
9.	Jaya Prakash A J	Member	Delivery Manager, Aerospace Vertical Tata Consultancy Services

Program Assessment Committee (PAC)

Sl no	Name	Role
1.	Dr. V. Venkata Ramana	Chairman
2.	Dr. Yadavalli Basavaraj	Member
3.	Dr. Raghavendra Joshi	Member
4.	Dr. B. Ganesh	Member
5.	Dr. Lakshmi Kumari	Member
6.	Dr. H.M. Anil Kumar	Member
7.	Dr. Banakara Nagaraj	Member
8.	Dr. Manjunatha .T.H	Member
9.	Dr. Pavan Kumar .B. K	Member
10.	Dr. Shivaramakrishna .A	Member
11.	Dr. Santhosh V Janamatti	Member
12.	Dr. Shekar .K	Member
13.	Mr. Vishnu Prasad B	Member
14.	Mr. B. Jayaprakash	Member
15.	Mr. V. Srinivasulu	Member
16.	Mr. K. Raghavendra	Member
17.	Mr. Mohammed Fayaz .k	Member
18.	Mr. E. Manjunath	Member
19.	Mr. Shiva Kumar S.Y	Member
20.	Mr. Mayur Pawar. D	Member
21.	Mr. B.P. Vijay Kumar	Member
22.	Mr. K.C. Venkatesh	Member
23.	Mr. K. Rajashekar	Member
24.	Mr. Gavisiddesha .P	Member
25.	Mr. Raghavendra Karnool	Member
26.	Mr. A. Taranath	Member
27.	Mr. Raghavendra Shetty	Member
28.	Mr. B. Maharaja Gouda	Member
29.	Mr. Kalyan Babu S.T	Member
30.	Mr. Irayya Shikkerimath	Member

Departmental Advisory Board (DAB)

S. No.	Name of the Member	Role
Head of the Department Concerned (Chairperson)		
1.	Dr. V. Venkata Ramana	Chairman
Internal Members		
2.	Dr. Yadavalli Basavaraj	Member
3.	Dr. Raghavendra Joshi	Member
4.	Dr. B. Ganesh	Member
External Members from Academic Institutions		
5.	Mr. Ganapathy Bhatta A S	Member
6.	Dr. Rameshwar Sah	Member
Alumina		
7.	Mr. Subodh Kumar	Member
8.	Mr. Veerasha D R	Member
Student Representative		
9.	Mr. Vishwas I	Member
10.	Mr. D. Manjunath Reddy	Member

Area of Research

SL .NO	Name of Faculty	Area Of Research
1.	Dr. Yadavalli Basavaraj	Quality and maintenance Engg, composite materials
2.	Dr. Raghavendra Joshi	SMART MATERIALS
3.	Dr. V. Venkata Ramana	Concurrent Engineering
4.	Dr. B. Ganesh	vibration monitoring
5.	Dr. Lakshmi Kumari	Production
6.	Dr. Anil Kumar H M	Frication Stir Welding
7.	Dr. Banakara Nagaraj	Laser Beam Welding - Optimization of process parameters by GA
8.	Dr. Manjunatha T.H.	Composites
9.	Dr. Pavan Kumar B. K.	Vibration based condition monitoring
10.	Dr. Shiva Ramakrishna A.	Metal Matrix Composite characterization, Analyze image morphology of the composite before and after fracture.
11.	Dr. Santhosh V Janamatti	Composite materials, Additive manufacturing, Nanotechnology and spray deposition
12.	Dr. Shekar K.	Solar Thermal Photovoltaic Systems
13.	Mr. Vishnu Prasad B	Thermal
14.	Mr. B. Jayaprakash	Solar Thermal
15.	Mr. V. Srinivasulu	Solar Thermal
16.	Mr. K. Raghavendra	Smart materials
17.	Mr. Mohammed Fayaz K.	Design
18.	Mr. Manjunatha E	Nanotechnology
19.	Mr. Shiva Kumar S. Y.	Smart materials
20.	Mr. Mayur Pawar. D	Composite Material
21.	Mr. B.P. Vijay Kumar	Composites
22.	Mr. K.C. Venkatesh	Additive manufacturing and Composite material
23.	Mr. K. Rajashekar	Composites
24.	Mr. Gavisiddesha .P	Composite materials
25.	Mr. B. Maharaja Gouda	Composite, Material science
26.	Mr. Irayya Shikkerimath	Structural analysis

Department / Research / Patent

SL. NO.	TITLE	NAME OF THE INVENTORS	APPLICATION NO.	DATE OF FILING	DATE OF PUBLICATION	DATE OF GRANT
01.	Design And Development Of Support Less 3d Printing System Using Fdm Technology	Dr. Shivaramakrishna A	2021102375	5/5/2021	4/6/2021	7/7/2021
02.	Optimization Of Welding Parameters Of Aisi 431 And Aisi 1020 Joints Joined By Friction Welding Using Taguchi Method	Mr. Akkasali Taranath. Dr. V Venkataramana	202441062243 A	16/08/2024	23/08/2024	In Progress
03.	Intelligent Mechanical Robotic Weed Controller For Sugar Beet Production	Dr. Yadavalli Basavaraj. Dr. B K. Pavan Kumar. Mr. Mayur D Pawar	202141026549 A	15/06/2021	02/07/2021	In Progress
04.	Method And System For Optimized Friction Stir Welding Of Dissimilar	Dr. Hacholi Muthalik Anil Kumar. Ballari Institute of Technology and Management. Dr. r. V. Venkata Ramana. Dr. Pavan Kumar B. K. Mr. Mayur Dondiram Pawar	202441017745 A	12/03/2024	29/03/2024	In Progress

<p>05.</p>	<p>Fault Diagnosis Monitoring Technique For Vibration Analysis In Rotating Machinery Manufacturing Processes Background</p>	<p>Dr. Pavan Kumar B KBallari Institute of Technology & Management Dr. Yadavalli BasavarajDr. Shivaramakrishna ADr. Santosh V JanamattiDr. Raju Jadar.Dr. Anil Kumar H M</p>	<p>20244103361 7 A</p>	<p>27/04/2024</p>	<p>03/05/2024</p>	<p>In Progress</p>
<p>06.</p>	<p>Enhancing Machine Reliability With Integrated Fault Detection Sensors</p>	<p>Dr. Pavan Kumar B K,Dr. Yadavalli Basavaraj,</p>	<p>20244103986 3 A</p>	<p>22/05/2024</p>	<p>31/05/2024</p>	<p>In Progress</p>
<p>07.</p>	<p>Innovative Mechanical Characterization Of Al 7075 Alloy Reinforced With Magnetite (Fe₃O₄)</p>	<p>Dr. Shivaramakrishna ABallari Institute of Technology & Management Dr. Yadavalli BasavarajDr. Pavan Kumar B KDr. Raju Jadar</p>	<p>20244105795 5 A</p>	<p>31/07/2024</p>	<p>09/08/2024</p>	<p>In Progress</p>

08.	An Experimental Investigation On Influence Of Filler Material On Damping Properties Of Hybrid Composites	Mr. Vijay kumar B P	2024410 55601 A	22/07/2024	2/08/2024	In Progress
09.	Development Of Low-Cost Mobile Robotic System	Dr. V. Venkata Ramana	2024410 20632 A	19/03/2024	29/03/2024	In Progress
10.	Development Of Low Cost Parallel And Counterflow Flow Heat Exchanger	Dr K Shekar	2024410 44179 A	07/06/2024	14/06/2024	In Progress
11.	Development Of Fabrication And Characterization Of Saw Dust Polymer Composite For Mechanical Applications	Dr. Banakara Nagaraj	2024410 51506 A	05/07/2024	12/07/2024	In Progress
12.	Eco travel Charger: Harnessing Wind Energy On The Go	Dr. Abdul Lateef Haroon P SDr. Sekhar KDr. Banakara Nagaraj Mr. Y J Prithviraj BhupalDr . Yadavalli Basavaraj Mrs. Ghousia Sanober Sabreen Mr. Mohammed Shafiulla Dr. V. Venkata Ramana Mr. Usman K	2024410 70221 A	17/09/2024	20/09/2024	In Progress

13.	Experimental And Analytical Investigation On Frictional Welding Dissimilar Joints For Aerospace Application	Mr. Irayya Shikkerimath	202441056437A	24/07/2024	02/08/2024	In Progress
14.	Investigation On Sliding Wear Behavior Of Zinc Alloy Reinforced With Nano Composite	Dr. Santosh Janamatti	202341066233A	03/10/2023	20/10/2023	In Progress

Department / Research / Publication

SL.No.	Name of Faculty	Number of papers published in				Total(Sum of Conferences and Journals)	Number of papers Indexed in			Google Scholar Id
		Conferences		Journals			Scopus	SCI	WoS	
		National	International	National	International					
1.	Dr. Yadavalli Basavaraj	14	10	-	50	74	14	1	2	https://scholar.google.com/citations?user=dMgbsyEAAAAJ&hl=en&oi=ao
2.	Dr. Raghavendra Joshi	4	4	-	21	29	11	6	-	https://scholar.google.com/citations?hl=en&user=ksBAUMgAAAJ
3.	Dr. V. Venkata Ramana	5	15	-	24	44	18	-	-	https://scholar.google.com/citations?user=FkBb4GMAAAAJ&hl=en
4.	Dr. B. Ganesh	3	4	-	2	6	2	-	-	https://scholar.google.com/citations?hl=en&user=78Oygz4AAAJ
5.	Dr. Lakshmi Kumari	1	-	-	-	1	-	-	-	scholar.google.com/citations?user=jx3z68QAAAAJ&hl=en

6.	Dr. Anil Kumar H M	3	3	3	7	16	4	-	-	https://scholar.google.com/citations?user=uFiejg8AAAAJ
7.	Dr. Banakara Nagaraj	-	1	-	8	9	3	-	-	https://scholar.google.com/citations?user=XoGH2AAAAAJ&hl=en&oi=ao
8.	Dr. Manjunatha .T.H	1	4	-	-	5	2	-	-	https://scholar.google.com/citations?view_op=new_profile&hl=en&authuser=4
9.	Dr. Pavan Kumar .B. K	2	2	-	21	25	7	1	-	https://scholar.google.com/citations?user=TD8RRuMAAAAJ&hl=en
10.	Dr. Shivaramakrishna A	2	2	-	2	6	2	1	2	https://scholar.google.co.in/citations?user=B8ZmguoAAAAJ
11.	Dr. Santhosh V Janamatti	1	8	-	11	20	4	-	-	https://scholar.google.com/citations?hl=en&user=XvXX6EsAAAAJ
12.	Dr. Shekar .K	-	2	-	7	9	3	-	-	https://scholar.google.com/citations?user=dlmYmjKAAAAAJ&hl=en
13.	Mr. Vishnu Prasad B	2	2	-	2	6	2	-	-	https://scholar.google.com/citations?view_op=list_works&hl=en&user=cZgx0FMAAAAJ
14.	Mr. B. Jayaprakash	5	3	2	3	13	1	-	-	https://scholar.google.com/citations?user=YnxB6CQAAAAAJ&hl=en
15.	Mr. V. Srinivasulu	2	-	-	4	6	-	-	-	https://scholar.google.com/citations?user=4jh9AJQAAAAAJ&hl=en
16.	Mr. K. Raghavendra	-	-	-	9	9	1	-	-	https://scholar.google.com/citations?hl=en&user=y4zYUWsAAAAJ
17.	Mr. Mohammed Fayaz K	2	-	-	4	6	-	-	-	https://scholar.google.com/citations?hl=en&authuser=2&user=ExWxyIAAAAAJ
18.	Mr. Manjunatha E	2	2	1	0	5	-	-	-	https://scholar.google.com/citations?user=pXI6BFUAAAAAJ&hl=en&authuser=3

19.	Mr. Shiva Kumar S.Y	2	-	-	2	4	-	-	-	https://scholar.google.com/citations?view_op=new_profile&hl=en&authuser=3
20.	Mr. Mayur Pawar. D	-	1	-	8	9	2	-	-	https://scholar.google.com/citations?user=2tKRh_kAAAAJ&hl=en#d=gs_hdr_drw&t=1727631802902
21.	Mr. B.P. Vijay Kumar	-	3	-	4	7	2	-	-	https://scholar.google.com/citations?user=M9Qu2DQAAAAJ&hl=en
22.	Mr. K.C. Venkatesh	3	2	2	-	7	1	-	-	https://scholar.google.com/citations?hl=en&user=UBBTIUAAAAJ
23.	Mr. K. Rajashekar	-	2	-	1	3	1	-	-	https://scholar.google.com/citations?hl=en&user=e1mLdHUAAA
24.	Mr. Gavisiddesha .P	1	-	-	-	1	-	-	-	https://scholar.google.com/citations?view_op=list_works&hl=id&user=mto3478AAAAJ
25.	Mr. Raghavendra Karnool	-	-	-	1	1	1	-	-	https://scholar.google.com/citations?view_op=list_works&hl=en&user=cAadx40IAAAAAJ
26.	Mr. A. Taranath	-	-	-	2	2	-	-	-	https://scholar.google.com/citations?user=MSNTP-IAAAAJ&hl=en
27.	Mr. G Raghavendra Setty	-	1	-	9	10	2	-	-	https://scholar.google.co.in/citations?user=yi5p4zkAAAAJ
28.	Mr. B. Maharaja Gouda	-	1	-	2	3	1	-	-	https://scholar.google.com/citations?user=9UdoT2MAAAAAJ&hl=en
29.	Mr. Kalyan Babu S.T	-	-	-	1	1	-	-	-	https://scholar.google.com/citations?hl=en&view_user=y6a2FO8AAAAJ
30.	Mr. Irayya Shikkerimath	-	-	-	1	1	-	-	-	https://scholar.google.com/citations?view_op=new_profile&hl=en

LABS

LAB 1: ADVANCED FLEXIBLE MANUFACTURING SYSTEM LABORATORY

A flexible manufacturing system (FMS) is a computer-controlled production setup designed primarily to adapt at any time to changes such as product details, new products, batch sizes, sequence reordering, and so on. It is a system that is able to respond to changed conditions. The laboratory is equipped with an advanced Flexible manufacturing system setup to train the students CNC programming and learn about advanced manufacturing systems.



LAB 2: MATERIAL TESTING & METALLOGRAPHY LABORATORY

Material testing & Metallography Laboratory encompasses all the necessary Materials testing setup such as Universal Testing Machine, Impact strength testing setup, Non Destructive testing systems and heat treatment systems to ascertain both the physical and mechanical properties of raw materials and components.



LAB 3: FLUID MECHANICS & MACHINERY LABORATORY

The Fluid Mechanics and Machinery lab equipped with the Pelton turbine, Francis turbine, Kaplan turbine, double acting reciprocating pump, submergible pump, mono block pump, and piston pump. The laboratory is important for Mechanical Engineering to study the behavior of fluids. The major equipment focuses on the study and calibration of gauges, triangular notch, rectangular notch, Orifice meter Venturimeter and determination of Chezy's constant and Darcy's coefficient.



LAB 4: MACHINE SHOP LABORATORY

A machine shop is a facility where various machining processes are carried out to create and modify parts and components. These processes include cutting, shaping, drilling, and finishing materials such as metal, plastic, or wood. Machine shops are equipped with a variety of tools and equipment, including lathes, milling machines, grinders. A machine shop plays a crucial role in the manufacturing industry. It provides the necessary expertise, equipment, and precision machining capabilities to produce high-quality parts and components.



Explored

LAB 5: HEAT AND MASS TRANSFER LABORATORY

Heat Transfer Lab will examine the factors that affect the rate of heat transfer through a barrier that is separating two gases. Heat and Mass transfer helps in finding the rate of heat transferred through the medium such as by conduction, convection, radiation. By the virtue of the temperature difference between the two mediums. In heat transfer - heat energy flows in a direction of decreasing temperature gradient and ceases when the temperature gradient reduces to zero.



LAB 6: DESIGN LABORATORY

The purpose of Machine design lab is to study mechanical behavior, machine elements, and manufacturing processes. Mechanical behavior includes statics, dynamics, strength of materials, vibrations, reliability, and fatigue.

To demonstrate the concepts discussed in Design of Machine Elements, Mechanical Vibrations & Dynamics of Machines courses.



LAB 7: FOUNDRY & FORGING LABORATORY

In Foundry, Forging and Welding lab, the students will be working on various processes involved in Casting and forging operations. The students will learn the art of producing forged models like square rod, L-Nail, square bolt, hexagonal bolt. The most notable applications of a foundry are the production of engine blocks, crankshafts, and connecting rods used in an automobile engine. Production of power transmission systems such as turbines, generators, and electric motors is also done through casting in a foundry.



LAB 8: COMPUTER AIDED MODELING & ANALYSIS LABORATORY

Computer Aided Engineering (Analysis & Simulation) is the use of Computer to support Mechanical engineers in tasks such as analysis, simulation, design, manufacture, planning, diagnosis, and repair. CAE or computer-aided engineering is the use of computer software across a wide range of industries to simulate physics-based performance to improve product designs or assist in the resolution of engineering problems.



LAB 9: MECHANICAL MEASUREMENTS & METROLOGY LABORATORY

Metrology refers to the science of measurement while mechanics applies physical principles to design and analysis machinery - together these disciplines form the basis for accurate measurements in any mechanical engineering project. The metrology laboratory provides calibration services to the weighing and measuring community. The lab offers measurement advice and serves as a reference center, providing measurement assistance to industry, government agencies and educational institutions.



LAB 10: COMPUTER AIDED ENGINEERING DRAWING LABORATORY

Computer-aided drawing is a technique where engineering drawings are produced with the assistance of a computer and, as with manual drawing, is only the graphical means of representing a design. It can also develop an understanding of 2D and 3D computer aided drafting with the requirement of good engineering drawings and be able to apply them to their work. It is essential to know the technical drawing rules before starting CAD-CAM programs.



LAB 11: ENERGY CONVERSION LABORATORY

This lab will help students to see how energy can be converted from one form to another which will help them in acquainting with the design and operating characteristics of internal combustion engines. To apply analytical techniques to the engineering problems and performance analysis of internal combustion engines. To study the thermodynamics, combustion, heat transfer, friction and other factors affecting engine power efficiency and emissions. Energy conversion principles, analysis and understanding of I C Engines.



CLASSROOMS

The department boasts nine spacious and well-lit classrooms, each equipped with CCTV cameras to enhance security. These classrooms also include complete power backup. Modern amenities such as LCD projectors, Wi-Fi connectivity, and black/green boards create a supportive and innovative learning environment for all students.



SEMINAR HALL







The Department has a well-equipped seminar hall with a seating capacity of 90. It features a complete audio-visual system used for Department's meetings, seminars, and project presentations.







PLACEMENTS




Department	Student Name	Passed year	Company Name	Package	Company logo	Student Image
Mechanical Engineering	Afra Anjum	2024	Siemens	Rs. 5.00 Lakhs Per Annum		
Mechanical Engineering	Sanipinni Naga Vivek	2024	Actalent	Rs. 4.2 Lakhs Per Annum		
Mechanical Engineering	Venkatesh	2024	Actalent	Rs. 4.2 Lakhs Per Annum		
Mechanical Engineering	Vikram	2024	Actalent	Rs. 4.2 Lakhs Per Annum		
Mechanical Engineering	Amit Basha	2024	Akkodis	Rs. 4.00 Lakhs Per Annum		

PLACEMENTS

Department	Student Name	Passed year	Company Name	Package	Company logo	Student Image
Mechanical Engineering	Thota Abishek	2024	Akkodis	Rs. 4.00 Lakhs Per Annum		
Mechanical Engineering	SHIVAKU MAR	2024	Kirloskar	Rs.4.00 Lakhs Per Annum		
Mechanical Engineering	Y Manoj Kumar	2024	Kirloskar	Rs.4.00 Lakhs Per Annum		

INNOVATIVE PROJECTS					
Project Name	Category	Overview	Project images	Member assign in project	Project Head
Waste paper pen and pencil manufacturing machine	Production	This project is ecofriendly, waste material was used to manufacture the pen and pencils with minimum cost and unskilled labor can operate it		Ms. Afra Anjum Mr. Nagesh M Mr. Bharath S Mr. B Shrikanth	Prof. Shivakumar S Y
Development of Automobile brake lining using pulverized cow hooves	Production	Because of its unique physical and chemical characteristics, asbestos has been employed as brake lining in cars for a long time. Its use has decreased although the use of many other materials is expanding since handling it poses a health risk.		Mr. Prasad E Mr. Abhishek Kumar K Ms. Usha Mr. Chandra Shekar	Prof. Vijay Kumar B P

<p>Generating electricity by Roof top turbo exhaust ventilator</p>	<p>Thermal</p>	<p>In most of the warehouses turbo exhaust has been implemented which circulates fresh air by rotation this rotational speed can be utilized for power generation</p>		<p>Mr. Thota Abhishek Mr. M Pavan Mr. Venkatesh N Mr. Y Manoj Kumar</p>	<p>Prof. Maharaja Gouda</p>
<p>Fabrication of hybrid Tri E – vehicle</p>	<p>Automobile</p>	<p>This E-Vehicle is used for transferring goods especially in supermarkets</p>		<p>Mr. J Chandra Mr. Jayanth D Mr. K Srikanth Mr. Shashi Kumara G</p>	<p>Prof. Taranath A</p>

<p>Smart Helmet</p>	<p>Auto mati on</p>	<p>It's an Innovative idea that a smart helmet has multi functions, vehicle won't start without wearing an helmet and if a person is detected by an alcohol also it sends an information to the registered mobile if any accidents occurs</p>		<p>Md SaleemM d Shahama Md Sohail RazaMd Yousuf B</p>	<p>Prof. Gavi Siddapp a P</p>
<p>Waste plastic to plastic bricks</p>	<p>Prod uctio n</p>	<p>This Idea has been initiated to utilize the scrap plastic and manufacture the bricks which have greater in strength and less dense compared to clay type bricks</p>	 	<p>Mr. Venkates h NaikMr. Madhusu dhan AVMr. Husen BashaMr. Harikrish na</p>	<p>Prof. Taranath A</p>

EVENTS

Department Day “MECH-VISION2K24” Program For 3rd& 5th Sem Students (12th Jan 2024).



Technical Talk by Ganapathi Bhatt For 5th Sem ME Students (9th Feb 2024)



Technical Talk On, "Exposure on Industrial Oriented Software's" For 5th Semester Mechanical Engineering Students by SYNCOKIT SERVICES PRIVATE LIMITED, BANGALORE (7th Mar 2024)



One Day Offline IDW (India Design Week) Workshop For 5th Sem Students on Autodesk Fusion 360 (23rd March 2024).



Two day's Workshop on Business Model Canvas (BMC) for Mechanical Engineering Students. (28th -29th May 2024).

Ballari Institute of Technology & Management
Autonomous Institute under VTU, Ballari
Jyoti Gangotri Campus, BT/32, Bahari-Hosapete Road,
Near Rajpur, Ballari - 583133 (Karnataka) www.bitm.edu.in

DEPARTMENT OF MECHANICAL ENGINEERING
In Association with
Institutions Innovation Council - BITM

**Workshop on
BUSINESS MODEL CANVAS (BMC)**

From 28-29, May 2024
Venue: Seminar Hall - NETF-6
Mechanical Department

Resource Person
Dr. Mallikarjuna A
Innovation Centre Head
BRICS

Dr. B. S. Kheradkar, WP / Dean (Academics) | Dr. Yashwanth Basavaraj, Principal | Mr. V. J. Prithviraj Shetty, Head | Dr. Yashwanth Basavaraj, Chairman

Event Coordinators
Dr. Hanakar Nagappa, Associate Prof. | Dr. V. Venkata Ramana, Prof. & HOD, Mech. Engg. | Dr. Shekar K, Asst. Prof.



ALUMNI



Mr D R VEERESHA

2001 Batch

Mechanical Engineering

Scientist, Thermal System Group, UR Rao Satellite Centre, ISRO

I am one of the 1st Batch students of BITM (formerly Bellary Rural Engineering College). On 15th Nov, 1997 I started my journey to become an engineer in this institute. It was a temporary campus at SG Polytechnic, Bellary, where we were shaped to be what we are today. Later we moved on to the existing campus on the outskirts of Bellary city. Every faculty, support staff and management of TEHRD trust treated us as not just students who came to get a degree – rather, they molded us to become the best citizens of this nation and motivated us to set & achieve higher goals in our academics as well as in our life. I decided to study mechanical engineering and was a turning point in my life. Most of the faculty were from industry backgrounds (including Dr. Yashvath Bhupal, Chairman, BITM) who taught us the subjects not just from an examination point-of-view. My professional success has been largely attributed to the education that I got at BITM, and I am honored to be an engineering graduate from such a prestigious institute – “there is a great contribution of my teachers and this institution in making me what I am today.

ALUMNI



Mr Raghavendra Prasad

2001 Batch

Mechanical Engineering

Scientist / Engineer, UR Rao Satellite Centre, ISRO (Worked in Chandrayaan-3)

As a proud graduate of BITM (formerly Bellary Rural Engineering College), I can confidently say that my time there was transformative both personally and professionally. The rigorous academic environment pushed me to excel. The skills and knowledge I gained have been invaluable in my career, and the friendships I formed are still a significant part of my life. I am deeply grateful for the experiences and education that BITM provided, and I proudly carry the lessons learned into every facet of my life.

CURRENT STUDENT: TESTIMONIAL



Vishwa I

Ballari Institute of Technology & Management provides a structured learning environment and a balanced curriculum that amalgamates theoretical and practical aspects. The faculty members know their subject and are very approachable, constant support for the student's academics. Infrastructure is modern, comprising all technologies relevant for practical work, classrooms, and comprehensive library facilities. However, better Wi-Fi connectivity should be added. BITM encourages extracurricular activities in sports, cultural events, and technical fests, which greatly helps develop soft skills and confidence among the students. The placement cell is proactive in bringing renowned companies to the campus and providing decent opportunities for the students, although it would have been great to expand the range of industries. The college as a whole is very supportive of mentorship and counseling of the students. It's an ideal place for personal and professional development.

DEPARTMENT OF MBA



Dr. Janet Jyothi D'Souza **Professor & HOD**

Warm greetings to all the passionate and emerging professionals!

The two-year MBA program has a rich blend of academic rigor and innovative pedagogy that is continually updated to meet changing market requirements. At the heart of our experiential teaching-learning process, we use an experiential lab-based approach, Harvard case studies, a strong capital market database, and summer internship projects. We also ensure industry practitioners deliver the course, thereby enhancing industry readiness.

Students have the flexibility of a choice-based curriculum that allows them to opt for specialization courses in the form of core or dual, which are aligned to their interests and career aspirations, along with strong, well-designed industry-oriented placement training. All these initiatives ensure that we maintain quality processes and deliver the best to all our stakeholders.

Join us for an immersive, fun learning experience on the clean, green, and lively campus. We look forward to welcoming you to the BITM-DMS family.

Teaching Faculty

SL.NO	Name of the Faculty	Designation	Dept	Qualification	No. of years of experience	No. of research publications
1	DR JANET JYOTHI D'SOUZA	Professor - HOD	MB A	Ph.D.	16	48
2	DR SHAHEEDA BANU'S	Professor	MB A	Ph.D.	19	20
3	DR D CHRISTOPHER RAJ	Professor	MB A	Ph.D.	21	16
4	DR DIVYA BHARATHI	Associate Professor	MB A	Ph.D.	12	35
5	DR BUDAGAVI ANUPAMA	Associate Professor	MB A	Ph.D.	14	18
6	DR. ROOPA K	Associate Professor	MB A	Ph.D.	16	14
7	Prof. DINESH K	Assistant Professor	MB A	MBA	14	5
8	Prof. K SRINIVASA MURTHY	Professor of Practice	MB A	PGDM (IIMA)	32	
9	Prof. SHAM R K	Assistant Professor	MB A	MBA	14	
10	Prof. RAVI KUMAR JS	Assistant Professor	MB A	MBA	14	24
11	Prof. PAVAN KUMAR SS	Assistant Professor	MB A	M.Com	12	4
12	Prof. KAVITA ACHCHALLI	Assistant Professor	MB A	MBA, PGDIRPM	16	8
13	Prof. ARUN KUMAR	Assistant Professor	MB A	MBA	5	1
14	Prof. MD. KHALID	Assistant Professor	MB A	MBA	14	
15	Prof. CHIPPOLU NAGARAJ	Assistant Professor	MB A	M.Com	6	
16	Prof. VINOD KUMAR T	Assistant Professor	MB A	MBA	4	
17	Prof. VASANTI T	Assistant Professor	MB A	MBA	8	
18	Prof. SUSHMA PREMKALAL	Assistant Professor	MB A	MBA	4	
19	Prof. SAMPATH KUMAR	Assistant Professor	MB A	MBA	1	
20	Prof. AMREEN BAGALI	Assistant Professor	MB A	M.Com	2	

Non-Teaching Faculty

S.NO	Name of the Staff	Designation
1	Mr. Essamuddin	Lab Assistant
2	Mr. Shivaraj Kumar JHM	Attender
3	Mr. Mahesh	Attender
4	Mr. Sai Swaroop	Placement Assistant



Events

FDP, Workshop, Conferences conducted in the department
Year 2023-24 (from November 2023 to May 2024)

S.No	DATE	Event	Resource Person	Organizers	No of Participants
1	9/11/23	Seminar on National Entrepreneurship Day	Prof Ram Kiran Principal Shree Medha Degree College Bellary	Dr Divya Bharati Sampath Kumar	90
2	29/12/23	Webinar on Recent Developments in Mutual Fund Investments	Ms. Nidhi Mathuria Trainer NSE	Dr Roopa Dr Khaja Mr. Nagaraj	142
3	12/1/2024	Workshop on Strategies for Building A Sustainable Startup Culture in the current Business Environment	Dr Rajendra M Inamdar	Dr Shaheeda Baru Dr Divya Bharati	135
4	22/1/24 to 24/1/24	Workshop on Structured Query Language	Mr. Sreenivasa M	Dr. R. N Kulkarni	41
5	15/2/24	Guest Talk on Emerging trends in finance	CA Aravind Chandan	Dr Janet Jyothi D Souza Prof K. Dinesh Prof Pavan S S	178
6	26/2/24	Guest Talk on Academic To Corporate: A road map to Transform as a finance Expert	DR FCMA Nabanita Ghosh	Dr Roopa K Dr Khaja M Prof.Nagaraj C	228
7	26/2/24	Workshop on Financial wellness for Women	Ms. Namratha Arora Director Business Development Knowise	Prof Kavita Achchalli	55
8	27/2/24	Guest Talk on Prospectiveness of HR Profession in Business	Ms. Sarayu Patil HR Services HR Trainer	Dr Anupama Prof. Dinesh K Prof. Pavan Kumar S S Prof. Kavita Achchalli Prof. Sushma Prof. Sampath	228
9	28/2/24	Webinar on Marketing 5.0: Future of Marketing	Mr. Ganapathi B Sinnor Central University of Karnataka	Dr Shaheeda Baru Prof. Ravi Kumar J S Prof Amreen Prof Moula Hussian	139
10	28/2/24	Guest Talk on Health & Nutrition	Dr Shilpa Scientist Food science & Nutrition, ICAR. Ballari	Prof. Sushma Prof. Sampath Prof. Revathi Prof. Zeba	139
11	13/4/2024	Mock Parliament on Local Issues		Prof Sushma Dr Roopa Dr Khaja Prof Nagaraj	50
12	20-3-2024	FDP on A Virtual Technical session on Value Added Training Program & Courses utilizing ML Tools and Assisted Case Studies	Mr. Vineeth Mr. Gourav Heads Zero code Learning	Dr Janet Jyothi Dsouza Dr Anupama	20
13	6/4/2024	Training on Riding the financial wave: Turbo charge your wealth with 2X money	Vidisha kothary	Dr Janet Jyothi Dsouza Prof.Dineh K Prof. Pavan Kumar S S Prof Nagaraj	123
14	16-4-2024	Training on Session on "Navigating the Capitaline Database"	Mr. Gurumurthy	Dsouza Dr Roopa Prof. Pavan Kumar S Prof Nagaraj	120

Details Of The Conference/Workshop/FDP/Programs Attended 2023-2024 Till 24-04-2024

S NO	Name of the event	Webinar/conference	faculty	date	National /international
1	Sustainable tourism development Goals: a Panacea for better SAARC regional development,	Conference	Dr. Khaja Mohinuddeen J	13-15 Dec 2023	National
2	Conference on Business Resilience in New normal, Dept of Commerce, VSKUB	Conference	Dr. Khaja Mohinuddeen J	14-15 march 2024.	National
3	International Conference on Embracing digital transformation in business sustainable growth, College, Bangalore	Conference	Ravikumar J S	29-30 Jan 2024	International Conference
4	International Conference on Embracing digital transformation in business sustainable growth, College, Bangalore	Conference	Dr, Roopa K	29-30 Jan 2024	International Conference
5	International Conference on Embracing digital transformation in business sustainable growth, College, Bangalore	Conference	Dr.B.Anupama	29-30 Jan 2024	International Conference

List of Publications 2023-24

S. No	Name of the Author	Title	DETAILS OF THE PUBLICATIONS		
			Journal Name with ISSN No.	National/ International	Scopus/UGC/WOS/ABDC
1	Dr. Khaja Moinuddin J	The Role of Explainable AI in Building Trust and Confidence in Automated Business Processes	European Economic Letters (ISSN: 2323-5233)	International	ABDC (Cat-C)
2	Dr. Khaja Moinuddin J	Ethical Implications of Artificial Intelligence in Business Decision-making: A Framework for Responsible AI Adoption	Journal of Informatics Education and Research (ISSN: 1526-4726)	International	ABDC
3	Prof. Mohammed Khalid R P	AI-powered Recruitment and Employee Selection: Evaluating Bias and Fairness in Hiring Practices	European Economic Letters (ISSN: 2323-5233)	International	ABDC (Cat-C)
4	Dr. Anupama B. Prof. Ravi Kumar J S	"ELECTRONIC WORD OF MOUTH: THE COMMUNICATIVE MOTIVATIONS AND DRIVERS FOR CONSUMER ENGAGEMENT"	Academy of Marketing Studies Journal, 1528-2678-28-4-186	International	ABDC
5	Dr. Janet Jyothi Dasgupta	Effects Of Asset Liability Management On The Profitability And Liquidity Of Particular Indian Commercial Banks	RUEV Vol. 30 No. 4 (2024) In-Press	International	Scopus
6	Dr. Khaja Moinuddin J	Big Data Analytics In Fintech: A Review Of Credit Risk Assessment And Fraud Detection	Educational Administration: Theory and Practice Vol. 30, No. 5 (2024)	International	Scopus
7	Prof. Mohammed Khalid R P	Employee Well-Being Initiatives: A Critical Analysis Of HRM Practices	Educational Administration: Theory and Practice Vol. 30, No. 5 (2024)	International	Scopus
8	Prof. Bagali Amreen	Fintech And Sustainable Finance: A Review Of Environmental, Social, And Governance (ESG)	Educational Administration: Theory and Practice Vol. 30, No. 5 (2024)	International	Scopus
9	Prof. Ravi Kumar J S	ISSUES RELATED TO FAKE REVIEWS AND DECEPTIVE MARKETING PRACTICES - AN ANALYTICAL STUDY	Academy of Marketing Studies Journal Volume 28, Special Issue 5, 2024	International	ABDC -B
10	Dr Roopa K	MICROFINANCE, WOMEN EMPOWERMENT , BENEFITS AND SOCIAL CAPITAL FORMATION – A STUDY WITH REFERENCE TO URBAN BENGALURU	Journal of Research Administration Vol. 6 No. 1 (2024)	International	Scopus

Details of Academic Awards/Rewards Received

S. No	Faculty Name	Title of the Award Fellowship	Year	International/national/state/university level	Name of the agency or body
1	Dr. Divya Bharathi	Young Management scientist Award	2024	national	SMART Journal of Business Management Studies
2	Dr. Christopher Raj D	"Karnataka Education Leadership awards 2023" for Best Professor in Management Studies.	2023	international	World Education Congress Awards
3	Dr. Divya Bharathi	Women of substance award 2023 as "Excellence in Education", New Delhi	2023	international	She inspire magazine & Hypedge

bhoomika

Talents
Explored

DEPARTMENT OF MCA



Dr. Girish Kumar **Professor & HOD**

Welcome to the Department of Master of Computer Applications (MCA)!

In our department, we are committed to excellence in education, research, and holistic student development. Our MCA program is designed to equip students with a robust foundation in computer science, programming, and software development, paired with essential skills in data science, artificial intelligence, and emerging technologies. We strive to foster an environment that promotes innovation, critical thinking, and continuous learning.

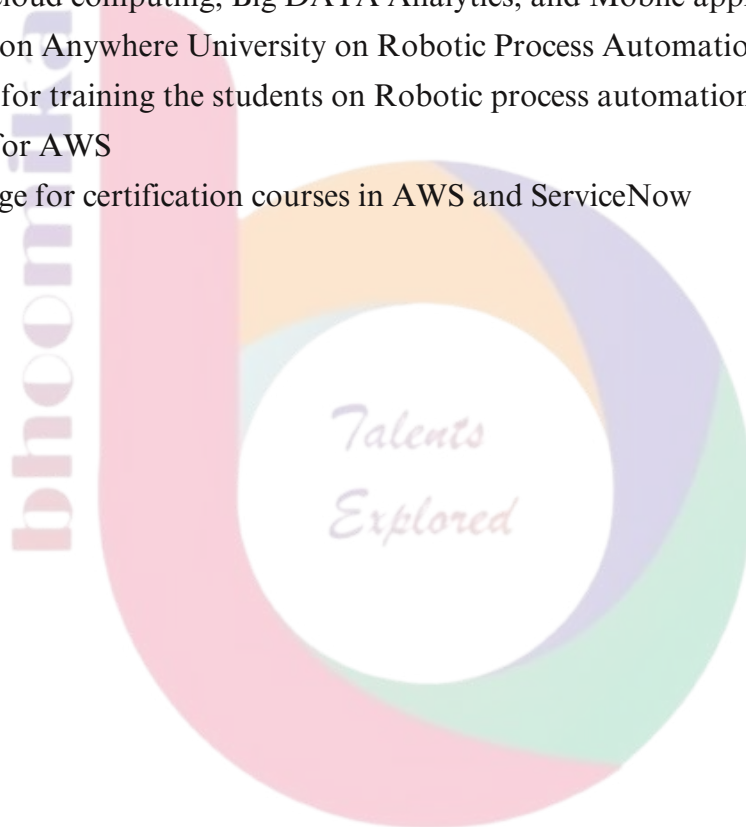
Our curriculum is carefully crafted to ensure that students are industry-ready upon graduation. Through hands-on projects, internships, and regular industry interactions, we ensure that our students are not only technically proficient but also possess the soft skills essential for success in today's competitive landscape. With a team of highly qualified faculty members and access to state-of-the-art facilities, including modern labs and resources, which offer an ideal setting for students to experiment, create, and learn.

We are dedicated to providing students with the guidance, resources, and opportunities they need to thrive in an increasingly complex and competitive world. Our faculty members are deeply committed to mentoring students, equipping them with not only theoretical knowledge but also the practical skills essential for success in their future careers.

We place great importance on research and development, encouraging our students to engage in innovative projects that address real-world challenges and contribute meaningful solutions. By integrating industry-relevant problems and emerging technologies into our curriculum, we aim to prepare students to be critical thinkers, problem solvers, and leaders who will make impactful contributions to society and the field of computer applications

THE DEPARTMENT HAS FOLLOWING INDUSTRY COLLABORATIONS WITH..

- Infosys Ltd. Bengaluru for Campus Connect program as an Advanced Partner College.
- WIPRO Talent Next Program for Digital Certification in Java Full Stack with React JS, Dot Net & Python with Data Science.
- Java Full Stack and Software Testing Courses from J/Q Spiders.
- Stepping Stone –Soft Skill Enhancement Program from Cognizant.
- MoU with IBM for cloud computing, Big DATA Analytics, and Mobile application development.
- MoU with Automation Anywhere University on Robotic Process Automation.
- MoU with UiPATH for training the students on Robotic process automation.
- MoU with Amazon for AWS
- MoU with Smartbridge for certification courses in AWS and ServiceNow



Board of Studies (BoS)

S.NO	NAME	DESIGNATION	ORGANISATION
1.	Dr. Girish Kumar D	CHAIRMAN	Professor & Head MCA BIT.M. Ballari
2.	Faculty Members different specializations	MEMBERS	MCA Departments
3.	Dr. Dayanand J	MEMBER	Professor & HOD, AIML Department, GNDEC, Bidar
4.	Dr. Sangamesh C Jalade	MEMBER	Professor & HOD, ISE Department, YIT, Mangaluru
5.	Dr. Rajesh L	MEMBER	Associate Professor, ISE Department, DSATM, Bengaluru
6.	Dr. Umakant Kulkarni	MEMBER	Professor SDMCET, Dharwad
7.	Mr. Raveendra Kumar Medicherla	MEMBER	Principal Scientist TCS, Bengaluru
8.	Mr. Yatish K S	MEMBER	Oracle DBA at IBM Kyndryl at IBM, Bengaluru
9.	Mrs. Renukambika P	MEMBER	Principle Software Engineer, DELL Technologies, Bengaluru
10.	Dr. R N Kulkarni	MEMBER	Professor & HOD, CSE Department, BITM, Ballari

AREA OF RESEARCH

S. NO	NAME OF FACULTY	AREA OF RESEARCH
1.	Dr.GIRISH KUMAR D	Cloud Computing, Machine Learning, Artificial Intelligence, Networking
2.	Dr.SDN Hayath Ali	Wireless NETWORKS

PATENT PUBLICATION DETAILS

S. No.	TITLE	NAME OF THE INVENTORS	APPLICATION No.	Date Of Filing	Date Of Publication	Date Of Grant
1.	Block Chain for Ensuring Correctness Of Data Stored In Untrusted Cloud	1. Dr. R N Kulkarni 2. Dr. Girishkumar D. 1. C. K. Srinivasa	202241038775	06/07/2022	15/07/2022	18/07/2024

PATENT PUBLICATION DETAILS

2.	Abstraction Of Activity Diagram from Sequence Diagram	1. Dr. R N Kulkarni 2. C. K. Srinivasa 3. P Panirama Prasad Dr. Girishkumar D	2022410 38278	04/07/2022	08/07/2022	In Progress
3.	Index Modulation Techniques for 5G Wireless Networks	Dr. GIRISH KUMAR D	2022410 01137	8/1/2022	04/02/2022	In Progress
4.	GYM SAFETY ENHANCEMENT SYSTEM	1. Dr. R N Kulkarni 2. Dr. C. K. Srinivasa 3. P Panirama Prasad Dr. Girishkumar D.	2023410 56438	23/08/2023	06/10/2023	In Progress
5.	Wireless Cardiac Monitoring Device	1. Dr. GIRISH KUMAR D	393047-001	18/8/2023	09/02/2024	In Progress

6.	Analysis and Identification of Human Emotions Through Image Processing	1. Dr. GIRISH KUMAR D	202441045935	14/6/2024	21/06/2024	In Progress
7.	System and Method for efficient data compression using IoT	1. Dr.SDN Hayath Ali	202311062862	19/9/2023	13/10/2023	In Progress
8.	System and Method for efficient data compression using IoT	1. Dr.SDN Hayath Ali	202441057257	29/7/2024	02/08/2024	In Progress

PAPER PUBLICATIONS

S.NO	Name of Faculty	Number of papers published in				Total (Sum of Conferences and Journals)	Number of papers Indexed in			Total (Sum of Scopus+WoS+SCI)	Google Scholar Id
		Conference		Journal			Scopus	WoS	SCI		
		National	International	National	International						
1.	Dr.Girish Kumar D	3	8	0	18	29	7	0	-	7	https://scholar.google.com/citations?user=6FRD7EEAAAJ&hl=en
2.	Dr. SDN Hayath Ali	0	2	0	3	5	3	0	0	3	https://scholar.google.com/citations?view_op=list_works&hl=en&user=Ypq7SuEAAAAJ
3.	Mrs.Subhashree D C	0	0	0	2	2	0	0	0	0	https://scholar.google.com/citations?user=-q3l3pkAAAAJ

Faculty Interaction (Global Academic Outreach)

S. N O	Name of Faculty	Nature of Interaction	Date		No. of Days	Place	ONLINE/OFFINE
			From	to			
1.	DR. Girish Kumar D	3 Day Workshop on Project Development Methodology & Technical	13-02-2016	16-02-2016	03	BITM College, Ballari	Offline
		5 Day Crash Course on Object Oriented Programming Concepts with C++	13-02-2017	17-02-2017	05	BITM College, Ballari	Offline
		Technical talk on Emerging technologies	08-08-2023	08-08-2023	01	SGP College, Ballari.	Offline
		6 days workshop on Re-skilling: Problem Solving	19-02-2024	24-02-2024	06	BITM College, Ballari	Offline
		2-week workshop on Python Programming and Applications	19-06-2024	29-06-2025	02	Ballari Business College, Ballari	Offline
		2-Day Workshop on Python Programming and Applications	4-10-2024	5-10-2024	01	Ballari Business College, Ballari	Offline

LABS

LAB: IPCC LAB

The IPCC Lab is equipped to provide students with a robust environment for exploring Ability Enhancement Courses. It features with 70 systems Intel Core i5 processor running at 3.40GHz, a 512GB SSD, and operates on Windows 11 OS, providing a powerful and efficient environment for students. The lab is equipped with projector, white board and internet facility for interactive learning.



Classrooms

The MCA department classroom is designed to foster an engaging and collaborative learning environment for students pursuing their Master of Computer Applications. With a spacious layout, the classroom comfortably accommodates a diverse range of activities, from lectures to group discussions and interactive sessions. The modern facilities are equipped with advanced audio-visual equipment, ensuring that students have access to the latest technology to enhance their educational experience.

In addition to traditional lecturing, the classroom is utilized for hands-on activities, workshops, and presentations. This dynamic setting allows students to apply theoretical concepts in practical scenarios, fostering a deeper understanding of the subject matter. The supportive faculty, including experienced instructors and industry professionals, are committed to providing personalized guidance and mentorship, ensuring that each student can thrive in their academic journey.

Overall, the MCA department classroom serves as a hub for collaboration, innovation, academic excellence, preparing students to meet the challenges of the rapidly evolving field of computer applications.



Events

The Department of Master of Computer Applications, BITM Ballari organized a 7-day Skill Development Program (SDP), “Re-skilling in C-Problem Solving” on 19th Feb 2024 to 24th Feb 2024.



The Department of Master of Computer Applications, BITM Ballari conducted a 5-day Workshop, “Innovative Approaches to Mastering Data Analytics with Power BI” on 2nd May 2024 to 6th may 2024.



The Department of Master of Computer Applications, BITM Ballari organized a one-day State Level Technical Fest , “Chakravayuah-2024” on 20th June 2024 in the BITM Auditorium.



Explored



BRICS



Dr. Mallikarjuna A Head of BRICS

A. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus

NAIN Centre BITM Ballari

The college has setup Entrepreneurship and Incubation Cell in collaboration with 'Karnataka Innovation & Technology Services (KITS)' (Dept. of Electronics IT, BT and S&T Govt. of Karnataka), viz., New Age Innovation Network (NAIN). A State of the Art incubation lab measuring 2,000 Sq.Ft. is setup at the college.

S No	Description	Number
1	Computer	15
2	Printer	1
3	Scanner	1
4	LCD Projector	1
5	Workspace & Mentoring Room	Tables- 11, Chairs-32
6	Seminar Halls/Conference Rooms	1
7	Discussion Rooms	1
8	Video Conferencing Facilities	124 Seats
9	Incubation Space (Cubicles)	2000 Sq. ft.
10	Auditorium	560 Seating Capacity

B. Highlight Achievements (Narrative/Graphical/tabular representation)

- Number and Different types of I&E and IPR activities Conducted – Dr. Raghavendra
- No. of student’s & faculty ideas generated - 15
- No. of student’s & faculty Innovation/prototypes developed - 07
- No. of IPs generated, published and granted – Dr. Naseeruddin
- No. of Student & Faculty Start-ups/Ventures established. - Nil
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus - 2,31, 033.OO
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR – 1,20, 349.OO
- No. of Technology Transfer and Commercialisation happened - Nil

C. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

1. HackD- 23, 36 hours’ hackathon was conducted on July 1st & 2nd 2023 at BITM Campus



Winners – 25,000.00		
S No	Name	USN No
1.	Nitish Kumar	3BR20CS117
2.	Kavya K	3BR20CS081
3.	Rudra Gouda H	3BR20CS136
1 st Runner Up – 15000.00		
4.	Naveed	3BR20CS155
5.	Utkarsh	3BR20CS173
6.	Suhail	3BR20CS163
7.	Dikhilesh	3BR20EC048
2 nd Runner Up – 10000.00		
8.	Y Banny Kumar	3BR22EC025
9.	Malleshwari	3BR22EC041
10.	Sanjana	3BR22CS124
11.	Jayashree	3BR22EC062

2. Cipher Battle 2.0 @CIT Gubbi 09 July 2023

1 st Prize – 5000/-		
S No	Name	USN
1.	Nitish Kumar	3BR20CS117
2.	Kavya K	3BR20CS081



3. IOT Hackathon 2023 @ JSS Campus Bangalore in association Ginserv on August 11th & 12th 2023

2 nd Prize – 15,000.00		
S No	Name	USN
1.	Nitish Kumar	3BR20CS117
2.	Kavya K	3BR20CS081



D. Highlight selected best Innovations & images with mention of inventor/innovation name

Innovation Name : Autonomous Vehicle using Computer Vision		
Inventor Name		
S No	Name	USN
1.	Nitish Kumar	3BR20CS117
2.	Kavya K	3BR20CS081
3.	Rudra Gouda H	3BR20CS136

Problem statement:

- Every year about 2 million people have permanent injuries as a result of accidents, among which 94% of serious crashes are due to human error.
- Also there is day-by-day increase in the fuel price due to which many people are unable to afford to maintain the vehicle.
- These vehicles cause huge environmental pollution.
- Even though many people own their vehicles but are highly dependent on others for driving it.

Solution:

To develop an autonomous vehicle and smart street light. An autonomous vehicle, or a driverless vehicle, is one that is able to operate itself and perform necessary functions without any human intervention, through ability to sense its surroundings.

Objectives:

- Obstacle detection
- Traffic light detection
- 1. Red light detection
- 2. Green light detection
- Stop signal detection
- Lane end detection

Aims:

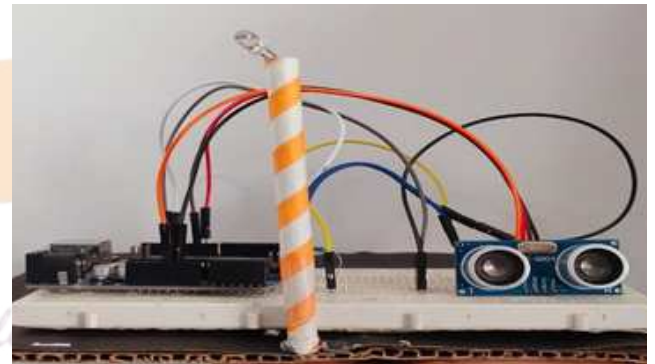
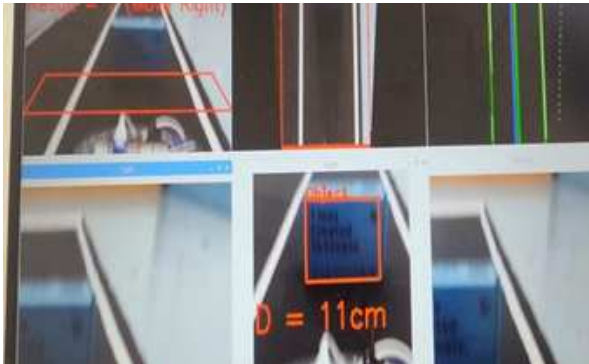
- Safety
- Efficiency
- Accessibility
- Sustainability
- Cost Savings

Domain/Technology:

- IOT
- AIML(computer vision with deep learning)

Prototype Images





Innovation Name : Solution to facilitate teacher student collaboration.		
Inventor Name		
S No	Name	USN
1.	Nitish Kumar	3BR20CS117
2.	Kavya K	3BR20CS081
3.	Rudra Gouda H	3BR20CS136

Description:

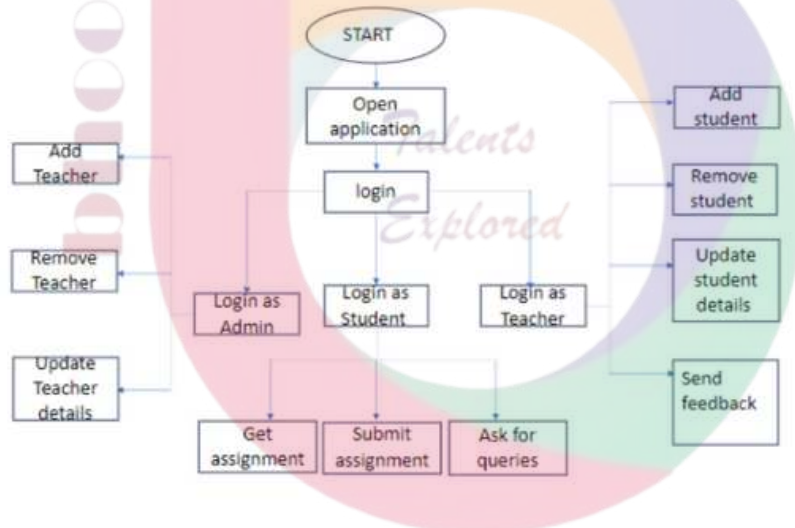
Problem statement:

- Limited Resources and Facilitate
- Classroom Management
- Individualized Attention
- Attendance and Punctuality
- Limited Interaction Time
- Geographical Limitations

Solution: Use Case Diagram



Flow Chart



Implementation

- An approach to create a teacher-student interaction application with a GUI using Python and the Tkinter library:
- Install Make sure you have atnff installed on your system. If you're using Python 3, should be included by default. You can verify its installation by running 'import tkinter' in a Python shell.
- **Design the GUI:** Use the Tkinter library to create the graphical interface for your application. Define the layout, buttons, labels, and other components based on your requirements. You can create separate screens for teachers and students using frames or different windows.
- **User authentication:** Create a login screen where teachers and students can enter their credentials. Validate the entered information against a database or predefined data to authenticate the users. If the credentials are correct, proceed to the respective teacher or student dashboard.

Teacher features: Dashboard: Design a teacher dashboard screen that displays an overview of classes, assignments, and student submissions. Use labels, tables, or list boxes to present the information. - File sharing: Implement a file upload feature that allows teachers to select and upload assignments, notes, PDFs, or any other relevant documents. You can use the 'tkFileDialog' module in Tkinter to handle file selection and upload. - Communication: Provide a text box or a chat window where teachers can interact with students. Use the 'Text' widget in Tkinter to display and handle text input.

Student features: Dashboard: Create a student dashboard screen that shows the classes they are enrolled in, upcoming assignments, and any important notifications. Use appropriate Tkinter widgets to present this information. - File access: Implement a feature that allows students to access and download the shared files uploaded by teachers. Use buttons or a list to display the available files and provide functionality to download them. - Assignment submission: Create a file upload functionality for students to submit their assignments. Use a similar approach to the teacher's file upload feature, allowing students to select and upload their assignment files.

Collaborative Features: Incorporate features that facilitate collaboration between teachers and students. This can include options for students to submit assignments or projects, and for teachers to provide feedback and grades. Implement commenting or annotation features to enable discussions and revisions on shared documents.

Real-time Communication: Integrate a messaging or chat system that allows students and teachers to communicate effectively within the application. This can include individual or group chats, as well as the ability to share documents or links directly within the chat interface.

Notifications and Reminders: Implement a notification system to keep users informed about important updates, such as new document uploads, assignment deadlines, or messages received. This ensures that students and teachers stay engaged and up-to-date with the latest information.

Data management: Use a database (e.g., SQLite, MySQL) to store and manage data related to classes, teachers, students, assignments, and submissions. Use appropriate SQL queries to retrieve and update the data as needed. You can use libraries such as 'MongoDB 1.38.0' in Python to interact with the database.

Tangible:

- Changing password using e-mail verification through OTP.
- Upload courses or assignments.
- Add/remove/update records.
- Input validation using regular expression.
- Submit assignments. > Language options

Intangible

- Common Chat box.

Business Model:

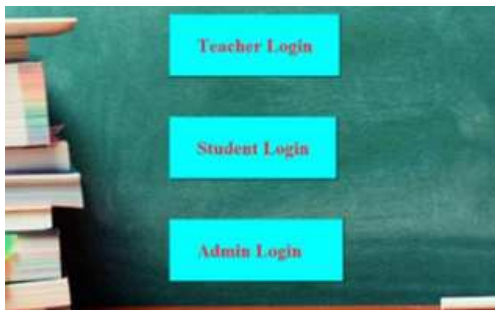
Revenue Streams: Educational apps for student-teacher collaboration generate revenue through various streams, including:

a. Freemium Model: Many apps offer a basic version of their platform for free, while charging for premium features, additional functionalities, or access to advanced tools. This allows users to get started with the app and upgrade to a paid version for enhanced capabilities.

b. Subscription Model: Some apps offer a subscription-based model where users pay a recurring fee to access the full range of features and services. Subscription plans may be tailored for individual students, teachers, or educational institutions.

c. Institutional Licensing: Educational apps often partner with schools, colleges, or districts to offer their platform as a licensed product. This involves negotiating contracts or agreements with educational institutions for bulk licensing, allowing all students and teachers within the institution to access the app.

d. In-App Purchases: Apps may offer additional features or premium content that can be purchased within the app. This could include access to specialized resources, advanced analytics, or personalized support.



Innovation Name : Smart City		
Inventor's Name		
S No	Name	USN No
1.	Naveed	3BR20CS155
2.	Utkarsh	3BR20CS173
3.	Suhail	3BR20CS163
4.	Dikhlesh	3BR20EC048
5.	Jai Vishwakarma	3BR20EC070

Problem Statement:

A smart IoT based home automation system, smart parking system and garbage separation to efficiently manage traditional home appliances, improving convenience, energy efficiency, and daily routines for people.

Implementation:

Home Automation System:

The system consists of various electronic components like ESP-32, Relay module, DHT-11, 16x2 I2C display, breadboard, etc.

All the connections are made to work properly as per the requirement.

All the appliances are controlled by using Blynk App.

Garbage Separation:

The system consists of Arduino UNO, Moisture sensor, Ultrasonic sensor, IT sensor, 16x2 I2C display, Servo motor.

The device will detect the garbage and check for the type of garbage(dry/wet) and put them in the respective(dry/wet) dustbin.

Smart Parking System:

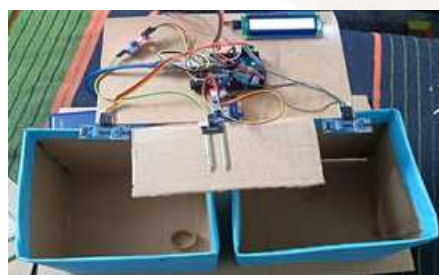
The system consists of Arduino UNO, 16x2 I2C display, IR sensors, Servo motor, breadboard.

At the entry of the parking area the vehicle is detected and the gate is opened if the parking slots are vacant.

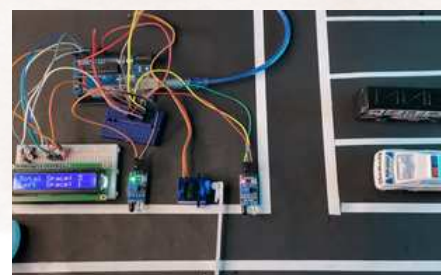
After every vehicle entry and exit if the vehicle the availability of number of parking slots are displayed on the display at the entry gate.



Home Automation



Garbage Separation



Smart Parking System

Innovation Name : Bus Pass Validation System		
Inventor's Name - Robo Rebels		
S No	Name	USN No
1.	Naveed	3BR20CS155
2.	Utkarsh	3BR20CS173
3.	Suhail	3BR20CS163
4.	Dikhlesh	3BR20EC048
5.	Mohammed Ali	3BR21CS406

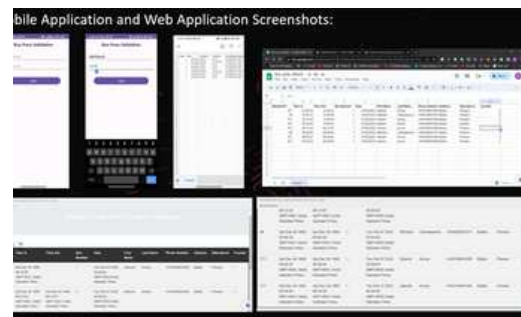
Problem Statement:

The existing bus pass validation system relies on manual ticket checking, which is time-consuming, error-prone, and inefficient. To address these issues, it is required to develop a card reader system on buses to instantly verify the validity of Student Bus Passes by integrating with a centralized database, enabling visual indications for bus staff and generating notifications for invalid passes.

Implementation:

- The system consists of various electronic components like ESP-8266, 16x2 I2C display, breadboard, RFID reader, RFID Cards and tags.
- The system can be implemented at bus entry gate.
- When the student boards the bus, he/she should tap his/her card on the RFID reader.
- If the student pass is valid and have enough balance, then the student name and balance is displayed on the display and the SMS is sent to their parent mobile number about boarding the college bus and the timing of the boarding.
- If the student pass is invalid or doesn't have enough balance, then the message will be sent to the respective bus driver and the parent of the student regarding insufficient balance.

Prototype Images



Bus Pass Validation System

E. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name - Nil

F. List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation

S No	Innovation Name	Description	Team Members
1.	Autonomous Vehicle using Computer Vision	<ul style="list-style-type: none"> To develop an autonomous vehicle and smart street light. An autonomous vehicle, or a driverless vehicle, is one that is able its operation on its own It also performs necessary functions without any human intervention, through ability to sense its surroundings. 	Nitish Kumar - 3BR20CS117 Kavya - 3BR20CS117
2.	Solution to facilitate teacher student collaboration.	<ul style="list-style-type: none"> This project focuses on fostering collaboration between students and teachers By developing a web platform akin to Google Classroom but with few more add on features. The frontend will be constructed using HTML, CSS, and JavaScript, while the backend will rely on PHP for robust functionality. In addition, a desktop application will be created using Python with tkinter for the user interface and MongoDB to handle database management. This comprehensive system aims to streamline class management, assignment tracking, and student progress monitoring, providing an intuitive and effective platform for both educators and learners. 	Nitish Kumar - 3BR20CS117 Kavya - 3BR20CS117 Rudra Gouda H 3BR20CS136
3.	Smart City	<ul style="list-style-type: none"> A smart IoT based system which consists of 03 Components <ol style="list-style-type: none"> Smart parking system Garbage separation (wet or dry) Home automation to efficiently manage traditional home appliances, improving convenience, energy efficiency, and daily routines for people. 	Suhail Ahamed 3BR20CS163 Dikhlesh Vishwakarma 3BR20EC048 Shaik Md Naveed 3BR20CS155 Utkarsh Kumar 3BR20CS173 Jai Vishwakarma 3BR20EC 070
4.	Bus Pass Validation System	<ul style="list-style-type: none"> The existing bus pass validation system relies on manual ticket checking, which is time-consuming, error-prone, and inefficient. To address these issues, it is required to develop a card reader system on buses to instantly verify the validity of Student Bus Passes By integrating with a centralized database, enabling visual indications for bus staff and generating notifications for invalid passes. 	Suhail Ahamed 3BR20CS163 Dikhlesh Vishwakarma 3BR20EC048 Shaik Md Naveed 3BR20CS155 Utkarsh Kumar 3BR20CS173 Mohammed Ali 3BR21CS406

DEPARTMENT OF PHYSICAL EDUCATION , SPORTS & SCIENCES

BITM - Ballari Department of Physical Education and Sciences has Received "1 Lakh "One Lakh Cash Prize Cheque for Academic Year 2022-23 Award Received from Prof.S.VidyaShankar -Honorable Vice Chancellor VTU,Belagavi and Smt.Ashwini Nachappa Former International Athlete and Arjuna Awardee,

On occasion of " Achiever's Day 25th VTU Inter Collegiate State LEVEL Athletic Meet 2024 at VTU Regional Centre Mysuru 26-29 June 2024.

Note. In Sports BITM 4th Place in the state for year 2022-23



Sports Committee

S.NO	NAME	DESIGNATION	POSITION
01	Mr. Ashok Bhupal	Director Physical Education	Co-Ordinator
02	Mr. Lakshmi Reddy k.	Asst. PED	Member
03	Prof. Kamal Kishore	Asst. Prof. EEE	Member
04	Mr. Madhusudan Gouda MV	Foreman Mech.	Member
05	Mr. Vishnukanth Karwa	Asst. Prof. ECE	Member
06	Mr. Suhas	Student	Member
07	Mr. Ram Prasad	Student	Member

Functions

- To conduct sports and games activities as per the calendar of events.
- To organize University sports activities at the institute.
- To submit the budget for the sports activities to the budget committee.
- To maintain the necessary equipment and sports facilities of the institute.
- To organize intra college events among faculty and students.

Responsibilities

- Co-Ordinator's: To shortlist the students and train students for the university sports activities. To maintain a stock of all the sports materials /equipment, sports facilities, arranging the venues for sports events.
- Members's: To assist the sports department and communicate with respect to sports activities of their respective departments.

Foot Ball (Men)



Hockey (Men)



Badminton (Women)



Kho-Kho (Men)



Hand Ball (Men)



bho

Talents

Power lifting (Men)



Hockey (Men)



bhoomika

Talents
Explored

Hockey (Women)



BITM NSS UNIT



The Ballari Institute of Technology and Management (BITM) offers a vibrant array of extracurricular activities, with the National Service Scheme (NSS) being a prominent feature. NSS plays a crucial role in fostering a sense of social responsibility among students. Through various initiatives, such as environmental conservation and community service, students are encouraged to engage in meaningful social work.



75th REPUBLIC DAY CELEBRATIONS AT BITM

On this Republic Day, as we gather at the BITM Campus to celebrate the spirit of our nation, let us remember that our democracy thrives when every voice is heard and every hand is extended in service. This day inspires us to embrace our roles as changemakers in the community. As the youth of today, our energy and passion hold the power to transform lives and uplift those around you. Let us channel our enthusiasm into meaningful community work, fostering a culture of compassion, responsibility, and active citizenship. Together, we can build a brighter future for our nation!



Cont.



BITM BLOOD DONATION CAMP

A blood donation camp was successfully organized at the BITM campus in memory of our late founder, Smt. Basavarajeswari. The event brought together students, faculty, and community members, all of whom participated willingly to honor her legacy and contribute to a noble cause.

ವಿಶ್ವೇಶ್ವರಯ್ಯವಾಂಛಿತ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ.
ವಿಜಯನಗರ ಶ್ರೀ ಶೃಂಗೇಶ್ವರೇಶ್ವರಯ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬಳ್ಳಾರಿ.
ವಿಶ್ವವಿದ್ಯಾಲಯ
ಬಳ್ಳಾರಿ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ & ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್, ಬಳ್ಳಾರಿ.
ಬಳ್ಳಾರಿ ಜಿ.ಎಸ್. ಪಾಲಿಟೆಕ್ನಿಕ್, ಬಳ್ಳಾರಿ.
ಸಂಜಯಗಾಂಧಿ ಪಾಲಿಟೆಕ್ನಿಕ್, ಬಳ್ಳಾರಿ.
ಶ್ರೀಮತಿ ಬಸವರಾಜೇಶ್ವರಿ ಸದಸ್ಯರಣಿ ಅಂದವಾದಿ
ಸ್ವಯಂ ಪ್ರೇರಿತ ರಕ್ತದಾನ ಶಿಬಿರ
+ ಭಾರತೀಯ ರೆಡ್‌ಕ್ರಾಸ್ ಸಂಸ್ಥೆ, ಕರ್ನಾಟಕ ರೆಡ್‌ಕ್ರಾಸ್‌ಗಳು +
"ರಾಷ್ಟ್ರೀಯ ಸೇವಾ ಯೋಜನೆ"
ದಿನಾಂಕ : 19-02-2024 ಸಮಯ : ಬೆಳಿಗ್ಗೆ 9:30 ಕ್ಕೆ ಸ್ಥಳ: ಜಿ.ಐ.ಐ.ಎಂ ಆವರಣ, ಬಳ್ಳಾರಿ



MISSION DRUG-FREE CAMPUS & E - PLEDGE CAMPAIGN

AICTE Activity Points ,NSS programme held at BITM Campus & Harginadoni village today 24.02.2024 Saturday Department of Civil and MBA 1st year Students.



INTERNATIONAL WOMEN'S DAY

On the special occasion of International Women's Day, BITM, Ballari proudly honors the incredible contributions and achievements of women across all fields. We celebrate the strength, resilience, and ingenuity of women who inspire us every day.

Government of India
Ministry of Youth Affairs & Sports
District Administration & Zilla Panchayath, Baallari

NEHRU YUVA KENDRA, BELLARY
BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT
Autonomous Institute under Visvesvaraya Technological University, Belagavi

Jointly Organizing

"NARI SHAKTI - FITNESS RUNS"

Women Fit to India h!

ON 11th MARCH 2024. @ BITM, BALLARI

#NariShaktiFitnessRuns



Cont.



NEIGHBOURHOOD YOUTH PARLIAMENT-2024

At BITM, as we empower our youth to shape a brighter future through the power of their vote! Your voice matters – make it heard!

Government of India
Ministry of Youth Affairs & Sports
District Administration & Zilla Panchayath, Ballari
Dist. SVEEP Committee, Ballari

NYKS
SVEEP
NEHRU YUVA KENDRA, BELLARY
BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT
Autonomous Institute under Visvesvaraya Technological University, Belagavi
Jointly Organizing
NEIGHBOURHOOD YOUTH PARLIAMENT 2024
ಮತದಾನಕ್ಕಿಂತ ಇನ್ನೊಂದಿಲ್ಲ.. ನಾನು ಐಚಿರವಾಗಿ ಮತದಾನ ಮಾಡುವೆ
Nothing Like Voting.. I Vote for Sure
Cordially Welcomes All
Wed. 13th March 2024
Venue: BITM, Ballari



Cont.



Basavara|Basalahalli | Ballari | 2024.03.13 14:38



'ಪ್ರತಿ ಮತ ಭವಿಷ್ಯ ಬದಲಾಯಿಸುತ್ತದೆ'

ಪ್ರದಾನಾಣಿ ವಾರ್ತೆ

ಬಳ್ಳಾರಿ: 'ನನ್ನ ಒಂದು ಮತದಿಂದ ಏನು ಆಗುತ್ತದೆ ಎಂಬ ನಿರೀಕ್ಷೆ, ಬೇಡ, ಪ್ರತಿ ಮತವು ದೇಶದ ಭವಿಷ್ಯ ಬದಲಾಯಿಸುತ್ತದೆ' ಎಂದು ಜಿಲ್ಲಾ ಸ್ಪೀಚ್ ಸಮಿತಿಯ ನೋಡಲ್ ಅಧಿಕಾರಿಯೂ ಆದ ಜಿಲ್ಲಾ ಪಂಚಾಯತಿ ಮತ್ತು ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿ ರಾಹುಲ್ ಕರಣಪ್ಪ ಸಂಕನೂರ ತಿಳಿಸಿದರು.

ಜಿಲ್ಲಾ ಪಂಚಾಯತಿ, ನೆಹರು ಯುವ ಕೇಂದ್ರ, ಮತ್ತು ಬಳ್ಳಾರಿ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ ಮತ್ತು ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್ ಕಾಲೇಜ್ ಸಂಯುಕ್ತಾಶ್ರಯದಲ್ಲಿ ಬುಧವಾರ ವಿಜಯನಗರ ಕಾಲೇಜು ಸಭಾಂಗಣದಲ್ಲಿ ಹಮ್ಮಿಕೊಂಡಿದ್ದ 'ನೆಹರೂರ ಯುವ ಸಂಸತ್ತು-2024' ಉದ್ಘಾಟನೆ ಮಾಡಿದರು.

ಕ್ರಾಮೀಣ ಪ್ರದೇಶಗಳಿಗಿಂತ ನಗರ ಪ್ರದೇಶಗಳಲ್ಲಿ ಮತದಾನ ಮಾಡುವವರ ಸಂಖ್ಯೆ ಕಡಿಮೆ. ಮತ ಚಲಾವಣೆ ನಮ್ಮ ಹಕ್ಕು. ಮುಂಬರುವ ಲೋಕಸಭಾ ಚುನಾವಣೆಯಲ್ಲಿ ಪ್ರತಿಯೊಬ್ಬರೂ ತಮ್ಮ ಆಯ್ಕೆ, ಮತ ಚಲಾಯಿಸಬೇಕು ಎಂದು ಕವಿಮಾತು ಹೇಳಿದರು.

ಬಳ್ಳಾರಿ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್



ಜಿಲ್ಲಾ ಪಂಚಾಯತಿ, ನೆಹರು ಯುವ ಕೇಂದ್ರ, ಮತ್ತು ಬಳ್ಳಾರಿ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ ಮತ್ತು ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್ ಕಾಲೇಜ್ ಸಂಯುಕ್ತಾಶ್ರಯದಲ್ಲಿ ಬುಧವಾರ ವಿಜಯನಗರ ಕಾಲೇಜು ಸಭಾಂಗಣದಲ್ಲಿ ಹಮ್ಮಿಕೊಂಡಿದ್ದ 'ನೆಹರೂರ ಯುವ ಸಂಸತ್ತು-2024' ಅನ್ನು ಜಿಲ್ಲಾ ಪಂಚಾಯತಿ ಸಿಇಒ ರಾಹುಲ್ ಕರಣಪ್ಪ ಸಂಕನೂರ ಉದ್ಘಾಟಿಸಿದರು.

ಟೆಕ್ನಾಲಜಿ ಮತ್ತು ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್ ಕಾಲೇಜಿನ ನಿರ್ದೇಶಕ ವೈ.ಬಿ.ಪದ್ಮನಿರಾಜ್ ಭೂಪಾಲ್, ನೆಹರು ಯುವ ಕೇಂದ್ರದ ಜಿಲ್ಲಾ ಯುವ ಅಧಿಕಾರಿ ಮೊಂಟು ಪಹಾರ್, ಜಿಲ್ಲಾ ಕ್ರೀಡಾಂಗಣ ಕೇಂದ್ರದ ಜಂಟಿ ನಿರ್ದೇಶಕ ಬಿ.ಸೋಮಶೇಖರ್ ಮಾತನಾಡಿದರು.

ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಅಣಕು ಸಂಸತ್ತು ಅಧಿವೇಶನವನ್ನು ನಡೆಸಲಾಯಿತು.

ಕಾಲೇಜಿನ ಡಾ.ಯಡವಳ್ಳಿ ಎನ್‌ಎಸ್‌ಎಸ್ ಪ್ರೊಗ್ರಾಮ್ ಆಫೀಸರ್ ಅಶೋಕ್.ಬಿ, ಡಾ.ಶೇಕ್‌ಮೀರಾ, ಕಮಲ್ ಕಿಶೋರ್, ಲಕ್ಷ್ಮೀರತ್ನ ಅಮರೇಶ, ಬೆಂಜಮಿನ್, ಬಿಸಲಹಳ್ಳಿ ಬಸವರಾಜ್, ಡಾ.ವೀಣಾ ಸೇರಿದಂತೆ ವಿದ್ಯಾರ್ಥಿಗಳು, ಬೋಧಕರೇತರ ಸಿಬ್ಬಂದಿ ಇದ್ದರು.

ENVIRONMENTAL DAY - JUNE, 2024

BITM students united to plant trees, fostering a greener future. Their dedication to protecting nature shines through as they engage in hands-on efforts, spreading awareness about environmental conservation. Together, they sow seeds of hope, nurturing the planet for generations to come.



Basavarajeswari Group of Institutions

ಬಳ್ಳಾರಿ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ & ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್, ಬಳ್ಳಾರಿ

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI

Autonomous Institute under Visvesvaraya Technological University, Belagavi
(Recognized by Govt. of Karnataka & AICTE, New Delhi)

BITM SUSTAINA SUSTAINABLE CLUB IN ASSOCIATION WITH NSS



Plantation Drive

On Tuesday, 11th June 2024
Venue: Forest, Near BITM

Sathvik V S Sanjay P S Eco Warrior	Dr Santosh V Janamatti Event Coordinator	Mrs Nilam Chedda Club Counsellor
Dr D Shaik Meera NSS Incharge	Dr Yadavalli Basavaraj Principal	Mr Y J Prithviraj Bhupal Director



10th INTERNATIONAL YOGA DAY

Yoga Day was celebrated at the BITM campus with a rejuvenating morning of exercises and stretching. Participants embraced the tranquil atmosphere, engaging in various yoga poses that promoted relaxation and mindfulness.



Explored



FREE HEALTH CHECKUP CAMP FOR FACULTIES IN CAMPUS

A health camp was organized for the faculty members at BITM, Ballari, aimed at promoting health and wellness within the academic community.



KNOWLEDGE CENTRE

BITM Library is also known as Knowledge Centre, is an Integral part of the Institution and the life line of academic activities. The library stretches over an area of 1100.96Sqmts with a seating capacity of about 500 members. Library has collection of 98,267 volumes of Books with 9,471 Titles on Engineering, Management and Humanities. Library subscribes to 99 print copies of Journals [85 National and 14

International], 10 online E-resources subscribed through VTU Consortium, and 13235 e-Books (Taylor & Francis and Springer). Digital library upgraded with 6 Terabyte data of VTU & NPTEL Video lectures, and PDF from VTU E-learning, Mysuru. Library is member of VTU consortium and National Digital Library (NDL). Library has Security systems with closed Circuit Television System (CCTV).

National Digital Library India Ministry of Human Resource Development under its National Mission on Education through Information and Communication Technology has initiated the National Digital Library of India (NDL). National Digital Library is a single-window access with e-learning facility to different groups of users. NDL has index contents from all the Institutional Digital Repositories (IDR) of institutions, universities and all other digital library initiatives so that all the e-contents can be searched and accessed by the users through a single window. NDL is like a 'customized service' provided in a 24x7 integrated environment where learners can find out the right resource with least effort and in minimum time. NDL ensures “uniform high standards” of e-content free of cost on a single platform



LIBRARY STAFF

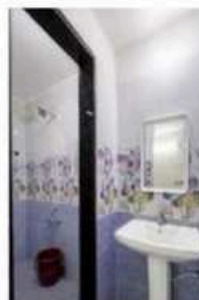
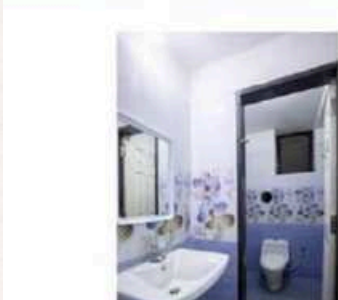
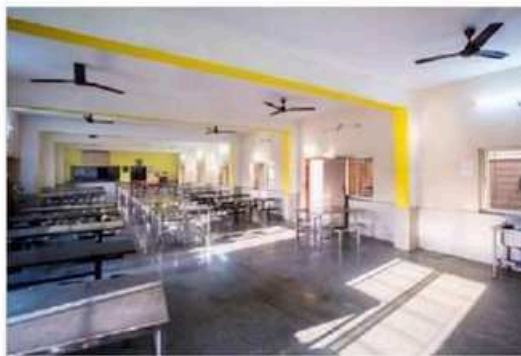
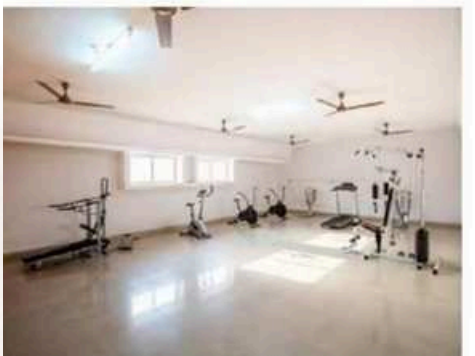
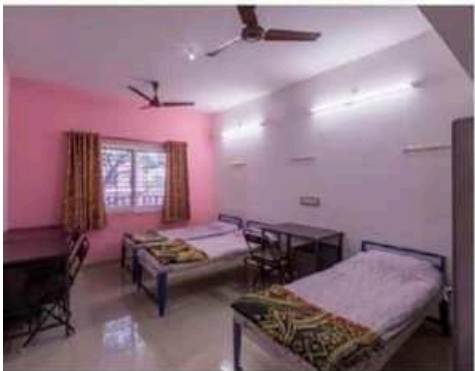
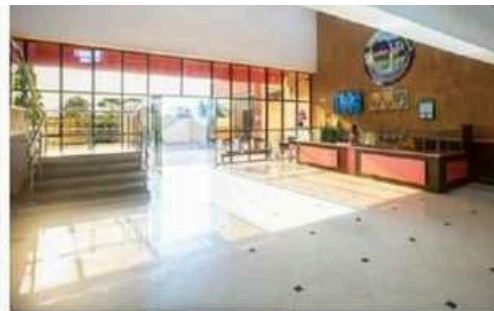
S. No	Name of the staff	Qualification	Designation	Date of Joining
01	Dr.S.Jaffer Basha	M.L.I.S M.Phil.Ph.D	Librarian	01-09-2001
02	Mr.Naveen Kumar N	P.U.C(B.A)JODC.C.L.L.Sc	Office Asst.LIS	12-08-2010
03	Mrs.Sanjana K	S.S.L.C	Library Asst.	04-01-2023
04	Mr.Pratap Singh	SSLC	Attender	06-10-2003
05	Mr.Lachamappa	SSLC	Attender	21-11-2005
06	Mr.Ramesh Nayak	SSLC	Attender	01-09-2014
07	Durgamma B	---	Helper	08-01-2015



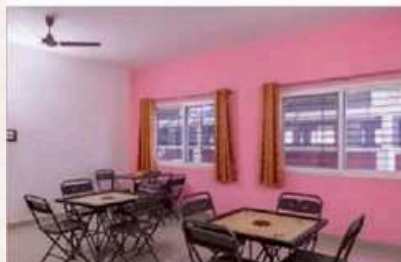
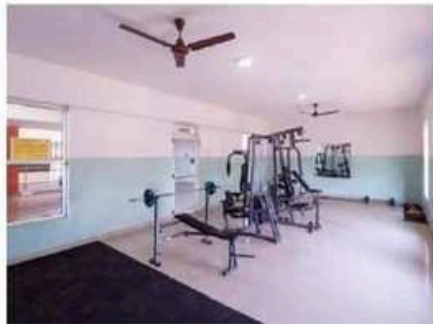
HOSTEL FACILITY

Separate hostel for Boys and Girls is in college campus under the name BGI Hostels. There are 3 blocks for boys namely Tunga, Bhadra, and Krishna. “Kaveri and Nethravathi exclusively for Girls”. The hostel is elegantly built with spacious rooms, nearly 905 boys and 820 girls have opted for hostel.

GIRLS HOSTEL



BOYS HOSTEL



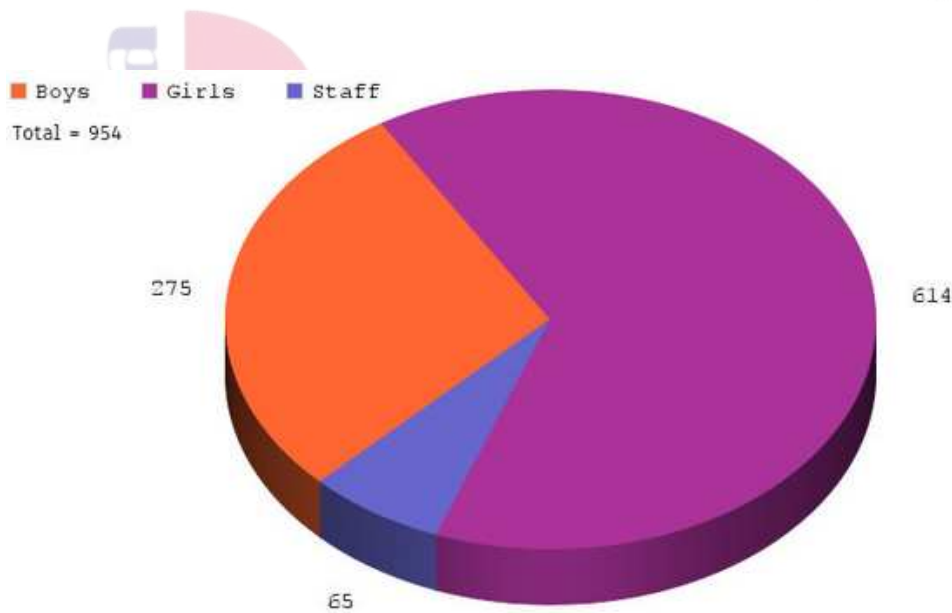
BITM DISPENSARY

The dispensary at BITM (Ballari Institute of Technology and Management) serves as a vital healthcare resource for the campus community. It is equipped to provide basic medical services, including first aid, routine check-ups, and treatment for minor ailments.



TRANSPORT DEPARTMENT

BITM provides a bus facility for students and staff members and it covers every look and corner of the City. College owns a fleet of 24 buses with 26 Experienced drivers equipped with safety features fire extinguishers, a First-aid Box and speed governor. Opting for College Bus transport will enable safe transport and convenience.



Ganesh Chaturthi is a vibrant festival celebrated with great enthusiasm at the Ballari Institute of Technology and Management (BITM). Each year, the campus comes alive as students and faculty come together to honor the beloved elephant-headed deity, Lord Ganesha. The festival typically spans ten days and includes elaborate decorations, cultural performances, and various rituals.



Ayudha pooja begins with the installation of an idol of Goddess Durga, symbolizing power and knowledge. A vibrant and festive atmosphere envelopes the campus, as everyone dresses in traditional attire. The ritual involves decorating tools such as computers, engineering instruments, and even transportation vehicles with flowers and vibrant clothes.



EXPLORIKA 2K24

Every year, the Explorika festival at the Ballari Institute of Technology and Management (BITM) transforms the campus into a vibrant hub of cultural expression and creativity.

bhoomika



EXPLORIKA 2K24

The opening ceremony of Explorika, a vibrant cultural festival at the Ballari Institute of Technology and Management (BITM), sets the stage for an unforgettable celebration of diversity and creativity. As the sun rises, attendees gather amidst colourful decorations that reflect the rich tapestry of cultures represented at the festival.



EXPLORIKA 2K24

At Explorika, a vibrant cultural festival hosted at BITM, Ballari, where the essence of Indian culture comes alive through the artistry of painting and the soul-stirring melodies of classical music.



EXPLORIKA 2K24

Beyond mere performances, these dance activities serve as a bridge to understanding Western cultural values, community spirit, and the joy of artistic collaboration.



BHOOMIKA - PLAY PULSE EVENT

Play Pulse, powered by Team Bhoomika, is an electrifying event that transforms the BITM Campus into a vibrant playground of imagination and teamwork, challenging students to unleash their inner genius, and fostering collaboration, innovation, and joy. This annual spectacle awakens imagination, fosters synergy, celebrates individuality, and leaves an indelible mark on college life, injecting vitality into every corner. The thrill, unleash your creativity, and make unforgettable memories with Play Pulse, Bhoomika's signature event that's been the heartbeat of BITM, painting the campus with colours of laughter and excitement year after year!



INSTA DRIVE (EXPLORIKA)

Unleash the fun! The Insta Drive, presented by Team Bhoomika at BITM Ballari, is an unforgettable extravaganza where students and teachers unite under one roof, igniting a spark of oneness, creativity, and laughter! This electrifying event is packed with thrilling games, spontaneous challenges, and endless excitement, crafting lifelong memories and strengthening bonds. This joyride, will bring your inner child, and mark a memorable day in your year. Insta Drive is a promised event team work, creativity and high laughter to look back at unforgettable moments of College lfie!



STUDENTS LENS



DIGITAL ART



bhoomi



by Karthik K
3BR21CS068

Students Testimonials Team Bhoomika-Batch 24



Aliya Sama
Chair , BHOOMIKA

"Being the Chair of BHOOMIKA has been a fulfilling journey. Our club is a vibrant platform where students come together to explore new ideas, express their creativity, and build valuable skills. I've had the pleasure of working with a dedicated team that strives to bring out the best in every member and event. The efforts put in by the entire team have been inspiring, and I am proud of what we have accomplished together.

This edition of the BHOOMIKA magazine is a celebration of the talent and hard work of our members. Inside, you'll find insightful articles, technical knowledge, and creative pieces that reflect our collective passion. I hope BHOOMIKA continues to inspire creativity and support personal growth.

To all our readers, I hope this magazine encourages you to explore new ideas and embrace new challenges.



KISHKINDA UNIVERSITY

The Genesis of Kishkinda University

Basavarajeswari Group of Institutions governed by Tungabhadra Education Health & Rural Development (TEHRD) Trust® is recognized one among the value-based quality oriented and inclusive educational groups in the country. The Trust® governed by qualified professionals endeavours to impart quality education to all the cross section of the society. The TEHRD Trust® is imparting quality education to more than 11,000 students in Ballari.

Kishkinda University is a state private University, which has been established in Karnataka state with TEHRD – Trust® as the sponsoring body through the Karnataka State Act. No. 20 of 2023 and passed by the Karnataka Legislature.