BMS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
An Autonomous Institute Under VTU, Accredited by NBA and NAAC
Yelahanka, Bengaluru-560064

BMS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Vision

To emerge as one of the finest technical institutions of higher learning, to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of the society.

Mission

Accomplish stimulating learning environment through high quality academic instruction, innovation and industry-institute interface.

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Presented by :
Dr. Sanjay H A
Principal, BMSIT&M

CONTENTS

Events Conducted

1. The Department of MCA held its 4th Board of Studies (BoS) meeting on 12.11.2024, bringing together stakeholders from Industry, Academia, and Alumni to discuss and enhance the MCA curriculum. The meeting included a review of actions taken on previous recommendations and a constructive discussion on further improvements. Esteemed contributors, including Dr. Sreekar (TIFR), Dr. Shashidhara (Samsung), and Dr. Ajitha (MSRIT), shared their expertise, providing valuable inputs on the curriculum and the revised vision and mission. Their insights have enabled the Department to align the syllabus with industry requirements, fostering the development of industry-ready graduates with advanced skillsets.

3. **Report of "Academic Council" Meeting**

   The 6th meeting of the Academic Council was held on 15th November 2024 at the Board Room, Academic block. The Academic Council plays a crucial role in shaping the strategic direction and academic policies of our institution. The Academic council constitutes of members from Academia, Industry and Research organisations. The matters related to Academics, Examinations, Placements, Research and Innovation ecosystems were discussed and received valuable suggestions from the Hon'ble Academic council member**s.**

2. **Parents Teachers Meeting**

   Third semester Parents-Teachers Meeting was scheduled on 30.11.2024 in hybrid mode. Vice Principal Dr Anil G N addressed the parents and informed about the institute activities. Dean Academic affairs Dr. Satish Kumar K M, explained about the academic structure, Controller of Examination Dr. M C Hanumantharaju explained about the Examination process. Placement officer Prof. Ambika R Subhash, informed about the Placements.

Seminars / Expert Talks

1. Department of Electronics and Telecommunication Engineering organized an expert talk on the topic "Empowering the future of Entrepreneurship" on 11.11.2024 in association with IETE club and Alumni club for 3rd sem and 5th sem ETE on 9.11.2024.

2. Department of Electronics and Telecommunication Engineering organized an expert talk on "Career advancement" by M M Trinath , ACE academy for 3rd ETE , ECE and 5th ETE and 7th ETE on 13.11.2024

Faculty as Resource Person

1. Prof. Venkatesh A and Prof. Dwarakanath G V, Assistant Professors in the Department of MCA, participated as resource persons in the workshop on "Cloud Computing & IoT" conducted at Government First Grade College, Tiptur, on 26.11.2024.

2. Dr. Manjunatha Babu P, Assistant Professor, Department of Electrical and Electronics Engineering has delivered a talk on "STATCOM's, Custom Power Devices and Static Var Compensator's" for the trainees of NMDC executives conducted by National Power Training Institute - Power System Training Institute, Bengaluru, on 05.11.2024.

3. Dr Rajesh Gopinath (Associate Professor, Department of Civil Engineering) has delivered an Expert Talk on" Air Quality Index and Modelling" on 21.11.2024 at Department of Civil Engineering, MVIT, Bengaluru.

4. Dr Rajesh Gopinath (Associate Professor, Department of Civil Engineering) has presided as Session-Chair in the National Conference on "Sustainable Futures: Navigating Climate Crisis in the Anthropogenic Era" on 26-11-2024 at Presidency University.

COUNSELLING

Mrs Chetana Srinivas professional counsellor visits "BMSIT Campus on Tuesday, and Friday;" from1:30 PM to 4:30 PM, provides counselling for Academic, Personal emotional and behavioral issues. 3 Students of 1st semester sought counselling for emotional disturbances, Academic issues and 1 student for "Home – sickness". Improvement is noted in all. One student had "social anxiety" issue, cognitive behavioural therapy was used for counselling. One student of 5th semester, and one of 7th semester discussed " Academic issues", both their performance has improved with counselling. One hostel staff was counselled using "Client Centered therapy for Emotional disturbances". To conclude 7 Students and 1 hostel staff were counselled in above period.

Faculty Achievements

1. Dr. Ambika R, Dr. Anil Kumar D, Dr. Anitha M faculties of ECE Dept. successfully completed the Jul-Oct 2024 for 12 week NPTEL courses.

2. Prof. Chaitanya V, Associate Professor, Dept. of CSE Cluster 1 received a Copyright on "3D Shape Visualizer:Interactive 3D Solid Generator".

3. Dr. Anupama H S, Professor and Head, Department of AI & ML, reviewer for the 8th International Conference on Computational Systems and Information Technology for Sustainable Solutions, Organized by RV College of Engineering in association with Florida International University, Fachhochschule Dortmund, Germany. Technically Co-Sponsored by IEEE Bangalore Section, India held from 7.11.2024.

4. Dr. Pradeep K R, Associated Professor and Associate Head, Department of AIML has completed NPTEL Course on Software Testing (12 Week Course) in 1.7.2024 to 30.10.2024.

5. Prof. Sanjay M Belgaonkar, Asst. Professor, Dept. of AI & ML received the Certificate Appreciation from the company Hack2Skill Private Limited, Noida, UP in recognition of his contributions and support as an academic partner in conducting AI Builders Lab presented by Google for Developers.

6. Prof. Sanjay M Belgaonkar, Asst. Professor, Dept. of AI & ML attended an IEEE CAS Seasonal School on Quantum Computing held at IISc, Bangalore on 9.11.2024 to 10.11.2024.

7. Dr Pradeep K R, Associate Professor and Associate Head, reviewer for the 8th International Conference on Computational Systems and Information Technology for Sustainable Solutions, Organized by RV College of Engineering in association with Florida International University, Fachhochschule Dortmund, Germany. Technically Co-Sponsored by IEEE Bangalore Section, India held from 7.11.2024.

8. Manjula B K. Assistant Professor, Department of Electrical and Electronics Engineering Completed a 12 week NPTEL course on "Smart Grid: basic to Advanced Technologies conducted by IIT Roorkee from July to October 2024 with a score of 87%. Awarded with Elite Silver for being the topper of the course.

Students Achievements

1. Alan Biju, 2. Vishnu Vijay, 3. Mohammed Ayaan 4. Yuktha 5. Manasa ,Ravi shankar, students from the ECE department shortlisted for next round of SMART INDIA HACKATHON 2024. They are working for the project " Grey Water Management (GWM)- Implementing low cost technical solutions to mitigate water contamination, especially removal of contaminants, before discharge into rivers and lakes" under the guidance of Dr. Saneesh. This result was announced on 2.11.2024.

2. BMSIT cricket team has won VTU CRICKET TOURNAMENT north zone 10TH November 2024. The captain was Mr Hari Rajiv from ECE dept.

3. 2021 Batch students have participated in "Workshop on MS Projects" Organised by AIT Bengaluru association with CMTI Bengaluru from 5 th to 6 th Nov 2024. (10 students).

Industrial Visit

An industrial visit was arranged by the Department of Electrical and Electronics Engineering for 1st semester students to Visvesvaraya Industrial and Technological Museum, Bengaluru on 06.11.2024. The museum emphasized on interactive learning and its diverse range of exhibits made it a valuable resource for students. The visit provided a comprehensive understanding of the evolution of industrial and technological advancements in India. The students were accompanied by Prof. H. D. Kattimani, Prof. Manjula B.K and Prof. Vikram Chekuri.
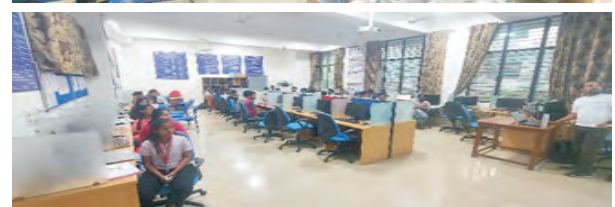

Students Workshop Conducted/ Organised

1. The AR VR HUB, Department of AIML and CSE had organized an Orientation session with 1M1B which is collaborated with AICTE on 29.11.2024 at 11.00 am and 2.00 pm. This orientation was under Green Skill Academy, where the organization provides Internship Opportunities to all engineering students, which is of 60 Hours program. This internship offers students with 30 hrs of Training in Data Analytic Tool call Tabula and the students are supposed to implement the learning of this tools for sustainable problems.

2. Department of Civil Engineering has Organised Webinar on Competitive Exams, GATE exam and higher education for all students on 12.11.2024 at 2nd Floor Seminar Hall, Admin Block. Resource persons Mr. Mani Mohan Trinath, Faculty of ACE Academy, Hyderabad. (Coordinator: Dr. Chandrashekharappa A).

3. Department of Civil Engineering has conducted 3-day training program on AutoCAD software, designed to enhance students' technical skills and proficiency in design and drawing. The training will be conducted by experienced professional from Design Mentors for All the students of 3rd Semester from 14-11-2024 to 16-11-2024 at CAD Lab, 1ª Floor, LAB Block, Civil Engineering Department, BMSIT&M. (Coordinator: Dr. Chandrashekharappa A).

International Journal/ Conference Publication/Magazine/ Book Chapters

1. Babu C. N., G., Reddy, C.M., Kumar, M.K. et al. Diverse Geographical Regions Based Biodiversity Conservation by LiDAR Image with Deep Learning Model. Remote Sens Earth Syst Sci 7, 738–749 (2024). https://doi.org/10.1007/s41976-024-00159-3

2. C. N. Gireesh Babu, K. S. Babu, S. Suneel, K. S. Rao, D. Muralitharan and R. Aarthi, "Endoscopic Image Processing: Evaluating the Robustness of Deep Neural Networks," 2024 5th International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2024, pp. 888-895, https://doi:10.1109/ICOSEC61587.2024.10722157

3. Bharathi M A., Rajesh, I. S., H. G. Mohan, U. N. Ranjitha, Manjunath Sargur Krishnamurthy, and C. Maithri. "FLQL-VANET: a Hybrid of Fuzzy Logic and Q-learning Schemes for QoS Aware Routing in VANET." International Journal of Intelligent Engineering & Systems 17, no. 6 (2024).

4. Neetha P U1 , Pushpa C N2 , Thriveni J 2 , Venugopal KR. " PET-MADDi: Extended Multimodal Alzheimer's Disease Diagnosis Framework including PET scans" https://www.kexuetongbao-csb.com/CSB (2024):ISSN: 0023-074X Volume 69, Issue 09.

International Conference

1. Vishwanatha MR. "Brand placement in movies: A successful strategy for brand management." Journal of Informatics Education and Research 4, no.3 (2024): 3188-3197.

2. Anna Merine George Presented the research paper entitled " EV speed tracking using the Regression-based Supervised Machine Learning algorithms" in the 2024 First IEEE International Conference for Women in Engineering (INCOWOCO 2024) held at Symbiosis Institute of Computer Studies and Research (SICSR), Symbiosis International (Deemed University), Pune, Maharashtra, India during   14 - 15, November 2024.

3. Palati, Madhu, Mahipal Bukya, Rajesh Kumar, and Akhilesh Mathur. "A Novel Method to Detect the Faults in an Underground Cable Using Robot." In International Conference on Computation of Artificial Intelligence & Machine Learning, pp. 346-355. Cham: Springer Nature Switzerland, 2024. https://doi.org/10.1007/978-3-031-71484-9_29

4. Manjula B K. Assistant Professor, Department of Electrical and Electronics Engineering Presented a research paper on "Smart Card Based EV Parking system using DC Charging" at IEEE conference of NIT Patna, EEE department on 23.11.2024 in online mode

NSS Events

The National Service Scheme (NSS) Unit in association with Unnat Bharath Abhiyan, BMSIT & M, has conducted an interactive session on Organic Farming and Natural Farming on 19th and 20th November 2024 by Mr. Subramani Sudhakaran, proprietor of ZBNFmart, a pioneering organization in sustainable agriculture. The two-day event aimed to educate and inspire participants about the critical role of sustainable farming in addressing global environmental challenges and promoting health-conscious agricultural practices. This program has benefited the 3rd and 5th semester NSS volunteers and NSS Coordinators. Dr. Manoj H M, NSS Program Officer and Associate Professor, Dept. of AIML & Dr. Kantharaju V, Assistant Professor, Dept. of AIML and NSS coordinators organised this event.

BICEP Activities

Dostbin at GKVK Krishi Mela 2024

The DostBin team, incubated at BICEP, proudly showcased their automated home composting solution at Krishi Mela 2024, held at GKVK, Bengaluru during 14.11.2024 to 17.11.2024. The event spanned four days, during which the team actively engaged with farmers and visitors, emphasizing the importance of sustainable waste management practices and promoting awareness about eco-friendly solutions.

In addition to the success at Krishi Mela, DostBin's innovative approach to waste management received significant media attention. It was prominently featured on ETV Bharat, highlighting its impactful contribution to addressing environmental challenges.

For more details, check out the ETV Bharat Coverage: https://lnkd.in/g3nm5iUS.

Dostbin officially Launched at Bengaluru Tech Summit 2024!: A moment of immense pride for our incubate team as they officially launched Dostbin, the innovative home composting solution, at the **Bengaluru Tech Summit 2024.** The 27th edition of Asia's largest tech conclave was officially inaugurated by Hon'ble Chief Minister of Karnataka, Shri Siddaramaiah, and graced by Hon'ble Deputy Chief Minister Shri D. K. Shivakumar, Hon'ble Minister for E, IT, BT, and RDPR Shri Priyank M Kharge, and other esteemed dignitaries.

Mr. Priyank M Kharge, IT BT Minister (IT BT Department, Karnataka), launched Dostbin at the Innovation Dome, Palace Grounds, in the presence of distinguished guests like Prashanth Prakash, Dr. Ekroop Kaur, Rajeev Kumar, Gary Oliver and Smita M. Dostbin solutions was selected under Elevate winners category, supported by ITBT department. This incredible platform at the Bengaluru Tech Summit, happening from November 19.11.2024 to 21.11.2024, has been a significant milestone in their mission to simplify waste management and promote sustainability. DOSTBIN SOLUTIONS PRIVATE LIMITED is here to contribute to a cleaner, greener, and smarter future!

Google Women's Hackathon:

Under the mentorship of Prof. Shama H M, Students presented Project Maeve, developed for Google Women's Hackathon which is held on 13.11.2024. Maeve is a platform designed to support women facing mental health challenges and sensitive issues like workplace discrimination, harassment, and emotional struggles. It offers two key features: a conversational AI chatbot, Maeve-bot, for empathetic support and resource

suggestions, and an anonymous real-time chat for users to seek and offer support.

The project was built using React.js for the frontend, Node.js for the backend, MongoDB for secure data storage, and WebSocket for real-time interactions. Maeve-bot was integrated using Google Dialogflow for natural and sensitive responses. While building the platform, they overcame challenges such as ensuring empathetic AI responses, maintaining strict data privacy, and scaling real-time features. This journey has been transformative, with future plans to integrate HR systems, enhance emotional intelligence, and connect women within workplaces for peer support.

Students Team: Abhinav (1BY22IS005), Ananya B S (1BY23IS024), Lekha P S (1BY23IS099), Poojitha M C (1BY23IS150), Sreshta K (1BY23IS215), Lavanya (1BY22IS005).

ISRO - Waste to Wealth exhibition:

DostBin solutions was invited to showcase their innovation on automated composting solutions at a prestigious exhibition hosted by ISRO (URSC) on 19th November 2024. The event highlighted DostBin's advanced technology for waste segregation and composting, drawing enthusiastic interest from scientists, engineers, technicians, and administrative staff.
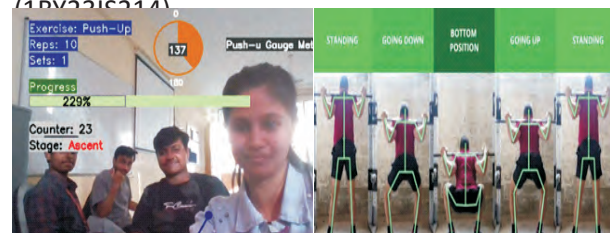

AI for Healthcare, Sports and Fitness:

Student team participated in the Sports, Gym, and Fitness Hackathon organized at Sai Vidya Institute of Technology on 18.11.2024, showcasing their project "MedAlert Band". This wearable fitness tracking solution combines posture detection, sweat biomarker analysis, and heart health monitoring, integrated with a mobile app for real-time health insights. Key features include posture correction via accelerometers and gyroscopes, sweat analysis using advanced sensors, and heart rate and ECG monitoring. Machine learning models in the app predict potential risks like dehydration or heart strain.

The experience was enriching, allowing them to explore sensor technologies, refine hardware design, and implement machine learning algorithms. Competing against strong teams, they successfully demonstrated our Gym Posture Detection System, receiving positive feedback for the innovation. This hackathon was a valuable learning journey, motivating them to enhance their project for future applications.

The team Members: Dhruva Kumar (1BY21EE023), Meghana R (1BY22IS054), Rakesh M (1BY23IS135), Tanisha (1BY22IS180), and Yashwanth B (1BY23IS214).

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Sports Events

Pre-Republic Day Camp -1, 18/11/2024 to 27/11/2024

Pre Republic Day Camp – 2025 was held at E&ITI airforce station, Jalahalli East. Conducted by 1Kar Girls Bn from 18/11/2024 to 27/11/2024, cadet Sagar B S was selected to represent the Banglore 'B' group under cultural event.

Group Level Innovation Competition RDC, 20/11/2024

Group Level Innovation Competition for RDC– 25 was conducted by 8 Kar Bn on 20/11/2024 at Air Force Station, E&ITI, Jalahalli East. LCPL Prajwal V Dev, Cdt. Shivani V Nairy, Cdt. Masood Khan participated and presented their project Mitra-D.

Group Level Best Cadet Selection, 26/11/2024

Group Level Best Cadet Selection was conducted by 8 Kar Bn on 26/11/2024 at Air Force Station, E&ITI, Jalahalli East. JUO Maxson Mathew, LCPL Suman V Patil and Cdt Jeevitha were selected for participation.

Moaning for the Mumbai Attack Incident, 26/11/2024

In association with CRPF- Yehalanka, Rotract Yehalanka a candle march was held where NCC BMSIT&M took part in paying tribute to the martyrs of Mumbai Attack of 26/11/2008.

Placement Activities

2025 BATCH FINAL PLACEMENTS: The placement season for the 2025 Batch commenced on 01.07.2024. As on 30.11.2024, total 501 placement offers have been placed and given internship offers as detailed below.

M./s Rapyder: 2025 Batch Rapyder Campus Drive on 11.11.2024

M./s Moder solutions: 2025 Batch Moder solutions Campus Drive on 19.11.2024

M./s Nokia: 2025 Batch Nokia Campus Drive on 22.11.2024.

M./s west pharmaceutical: 2025 Batch west pharmaceutical Drive on 18.11.2024

M./s Tech Mahindra: 2025 Batch Tech Mahindra Drive on 21.11.2024

M./s Marque Magic: 2025 Batch MarqueMagic Campus Drive on 29.11.2024

HEFC Events

November 17th, 2024

Prof. Shama H M organized and delivered a session on "How to pick the right university". The day focused on explaining the students on considering the factors like the program offerings, faculty quality, lab facility, research opportunities and career outcomes. Also, advised on how to assess campus culture, location, cost, and available support services to ensure a good fit with the respective students personal and academic goals.

The session was followed by a visit to the Global Education Fair, with around 50 students participating in the session before heading to the education fair at Taj Westend.

Students gained awareness and knowledge about the universities, clarifying programs and admission procedures through one-on-one interactions, while also gaining insights into global trends. Prof. Shama H M interacted with university representatives to gain a deeper understanding of the various academic programs offered. She explored potential areas for collaboration, focusing on establishing partnerships that could benefit both students and faculty like joint research projects, student exchange programs, and other academic initiatives to foster stronger ties and enhance the educational experience.

Report on Constitution Day

Constitution day was celebrated on 26th November 2024 at Seminar Hall, 4th Floor, BSN Block, BMSIT&M. Dr. Manoj M, NSS coordinator, Prof. Tejaswini B J, I/C Head, Humanities and Social Sciences Department and Prof Uday, Asst. Prof, Dept of AIML briefed the 3rd semester students of AIML and CSBS about the significance of Constitution Day.

The students took a pledge by reading the preamble of the Constitution, emphasising the significance of justice, democracy and equality.

Report on Kannada Habba

Honnudi Kannada Sangha organized Kannada Habba on 16.11.2024. The honorable chief guests Mr. Prakash R M, Head HR, Solize, Mr. Pramod Maravanthe Lyrist, Kannada Film Industry and R J Vijayendra Athanikar, Presenter and Ghazal singer, Chandana Vahini along with Principal, Vice Principal and Dean Student Welfare inaugurated the Kannada Habba at B S N Auditorium, Lab Block.

The event started with the procession from the main gate along with Veeragaase including flag hoisting near the academic block. The inauguration started with an invocation song followed by welcome speech and lighting of the lamp. Later several competitions were arranged for students and faculty members, many students and faculty members participated in the event and won the prizes.

Report on Kannada Rajyotsava 2024

Kannada Rajyotsava was celebrated in BMSIT&M on November 1, 2024, with flag hoisting to mark the formation of the state of Karnataka. This day is a source of pride to uphold the Kannada language, identity and pride, celebrating its rich heritage, traditions, and contributions to Karnataka's culture. A short report on our culture and heritage was presented by the students and faculty members showcasing the richness and diversity of our traditions. The program concluded with Nadageete.

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