

BMS **INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

Avalahalli, Yelahanka, Bengaluru - 560064.

Volume - 10, Issue - 05 Monthly Newsletter / May - 2024





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.

PHONE:

080 - 2952 1171 / 6873 0444

WEBSITE:

<https://bmsit.ac.in/>

EMAIL:

principal@bmsit.in

TWITTER LINK:

<https://twitter.com/bmsitm1>

FACEBOOK LINK:

<https://www.facebook.com/bmsit>

LINKEDIN LINK:

<https://www.linkedin.com/school/bms-institute-of-technology-and-management/>

YOUTUBE:

<https://www.youtube.com/channel/UCZLUwjJYZZvXvfPketkZZMQ>



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



Dharmaprakasha Rajakarya Prasakta
LATE SRI. B. M. SREENIVASIAH
Founder
B.M.S. Educational Trust



LATE SRI. B. S. NARAYAN
Donor Trustee
B.M.S. Educational Trust

CONTENTS

Page No.

Faculty Achievements	1
Faculty as Resource Person	1
Student Achievements	1
Events Conducted	3
Industrial Visits	4
International Journal/ Conference/Book Chapters	5
Placement Activities	6
NCC Events	7
NSS Activities	8
BICEP Activities	11

Faculty Achievements

Faculty as Resource Person

- Prof. Mamatha K.R., Assistant Professor, and Dr. Surekha R. Gondkar, Associate Professor, ECE department has extended their support as Resource persons for the Partial Lecture Delivery on the topic "Analog and Impulse Infinite Response Filter Design" during 30.05.2024 and 31.05.2024 at Department of ECE, NMIT, Bengaluru



Students Achievements

- P. V. Sai Dedeepya, Prakruthi B Reddy, Aatina Altaf and Syed Affan, final year students of the Department of Civil Engineering, participated in the intercollegiate Project Exhibition Cum Competition and Paper Presentation event "Samveekshan' on the 21st May 2024. They presented their project titled "A Techno-organic Approach to Enhance Slope Stability in Landslide-prone Environments", under the guidance of Prof. Shimna Manoharan. The team won second prize for the same.
- Dhruva N. R, Hruthik H. M, Pavan Kumar D R & Raj Kumar Roy, final year students of the Department of Civil Engineering, participated in the intercollegiate Project Exhibition Cum Competition and Paper Presentation event "Samveekshan' on the 21st May 2024. They presented their project titled "Development of FRC Breakwater Armour units for coastal protection" under the guidance of Prof. Archana K and Dr. Rajakumara H N. The team won second prize for the same.
- Kavati Indushekar, Kiran D. M, Naveen B J, Rakshith Gowda G R, final year students of the Department of Civil Engineering, participated in the Inter-college Students UG Project Competition at RRIT, Bengaluru on 3rd May 2024. They presented their project titled "Development of High Strength Paver Block using Fly ash and waste ceramics for medium-traffic roads" under the guidance of Dr. Rajesh Gopinath, Mr Anthony Raj & Mr Arunkumar N. The team won second prize for the same.
- Kavati Indushekar, Kiran D. M, Naveen B J, Rakshith Gowda G R, final year students of the Department of Civil Engineering, participated in the intercollegiate Project Exhibition Cum Competition and Paper Presentation event "Samveekshan' on the 21st May 2024. They presented their project titled "Development of High Strength Paver Block using Fly ash & waste ceramics for medium-traffic roads" under the guidance of Dr. Rajesh Gopinath, Prof. Anthony Raj and Prof. Arunkumar N. The team won second prize for the same.
- Ankitha.R, Sheetal. L, Sparsha.K & Supritha. A.R , final year students of the Department of Civil Engineering, participated in the intercollegiate Project Exhibition Cum Competition and Paper Presentation event "Samveekshan' on the 21st May 2024. They presented their project titled "Development of FRC stepped baffle chute blocks for efficient energy dissipation on spillways" under the guidance of Prof. Archana K. The team won second prize for the same.
- Dhruva N. R, Hruthik H. M, Pavan Kumar D R & Raj Kumar Roy, final year students of the Department of Civil Engineering, participated in the State Level Final Year Project Exhibition- SRISHTI 2024, at Atria Institute of Technology, on the 24-26 May 2024 They presented their project titled "Development of FRC Breakwater Armour units for coastal protection" under the guidance of Prof. Archana K and Dr. Rajakumara H. N.



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

- Ankitha.R, Sheetal. L, Sparsha.K & Supriya.A.R, final year students of the Department of Civil Engineering, participated in the State Level Final Year Project Exhibition- SRISHTI 2024, at Atria Institute of Technology, on the 24-26 th May 2024. They presented their project titled " Development of FRC stepped baffle chute blocks for efficient energy dissipation on spillways" under the guidance of Prof. Archana K.
- The student team from the department of CSE, won the Third Prize on "The WonderLens: Marker-Based AR Expedition of the Seven Wonders", is an innovative Augmented Reality (AR) project that was showcased in SRISHTI 2024 that was held from 24.5.2024 to 26.5.2024, State Level Project Exhibition and Competition org anized by SrishtiTech at Atria Institute of Technology, Hebbala, Bengaluru.



- Fourth Semester ECE students- Mr. P Allen Thiagaraj, Varadaraj Prabhu GG, Shrikha Vivek, Purva Hegde, (Faculty mentor: Dr. Anna Merine George) from BMS Institute of Technology & Management, Bangalore presented a technical paper titled Leveraging LoRa-enabled IoT for Irrigation Control Systems and won the first prize getting a cash prize of Rs. 4000/- at National Student Energy Summit (NSES 2024) organized by the Department of Electrical & Electronics Engineering, MIT, Manipal held on 14th and 15th May 2024.
- Nisha Ponnambalam, Impana Bharadwaj and Rajat Mundhra (Faculty mentor: Dr. Anitha V R) BMSIT&M, Bangalore, presented a technical paper

titled Advanced Eye Movement Tracking Using Computer Vision for Physically Disabled Patients and won the Best Idea Award of the session, getting a cash prize of Rs.1000/- at National Student Energy Summit (NSES 2024) organized by the Department of Electrical & Electronics Engineering, MIT Manipal held on 14th and 15th May 2024.

- Sixth Semester ECE students - Ms. Monisha L, Meghana N M, Syeeda Ameena, and Hemavathi K. R (Faculty Mentor: Dr. Anna Merine George) presented a technical paper titled "Towards Facial Recognition Empowered Surveillance Robot" at the National Student Energy Summit (NSES 2024) organized by the Department of Electrical & Electronics Engineering, MIT Manipal held on 14th and 15th May 2024.
- Fourth Semester students of ECE -Ms. Preeti Bhat, Nithin N S, Rohan Satish, and Pavan C A presented a technical paper titled "Wireless EV Charging System Integrated with Smart Streetlight" at National Student Energy Summit (NSES 2024) held on 14th and 15th May 2024 at Department of Electrical & Electronics Engineering, MIT Manipal.
- P. Louis Goodwin, a first-year MBA student, secured the first prize in the "Best Manager Event" at the National Management Fest hosted by NMIT on May 2, 2024.



Events Conducted

- A new initiative, the ARVR-HUB, has been established at BMS Institute of Technology and Management to cultivate innovation and offer practical exposure in the dynamic fields of augmented reality (AR) and virtual reality (VR). This launch marks the beginning of numerous opportunities for enriching and groundbreaking experiences in these cutting-edge technologies.



- The Department of Computer Science and Engineering hosted a two-day workshop titled "Industrial Application using Virtual Reality" through the ARVR-Hub on 17th and 18th May 2024. Participants from diverse departments attended this event, where Professor Vetrimani Elangovan from Presidency University provided practical guidance on designing a factory outlet using Virtual Reality technology.
- The Department of Electronics and Communication Engineering conducted a skill enhancement program on 18th May 2024 focused on "Unlocking the Power of Simulation using SIMULINK."



SIMULINK, renowned for its capability in modelling, simulating, and analyzing dynamic systems, offers a user-friendly graphical interface where system components are represented as blocks. This session highlighted SIMULINK's extensive applications in Communication and Control Engineering. For control applications, it demonstrated SIMULINK's utility in modeling system dynamics, designing controllers, and simulating responses to various inputs and disturbances. In the realm of communication, participants explored building digital communication schemes, microwave concepts, antenna designs, and their implementation in various projects using SIMULINK. Approximately 60 students from the sixth semester of ECE enthusiastically participated in the program, led by Mr. Rakshit B S, Senior Application Engineer at CoreEL Technologies, as the resource person, with coordination by Dr. Anna Merine George from the ECE department.





World Telecommunication Day

- The ETE department celebrated World Telecommunication Day on 17.5.2024 with IETE, featuring talks by Dr. Mallikarjuna Gowda and Dr. Thejaswini S. An online webinar on “System on Chip Design and Verification” was conducted by Mr. Paul Kaunds. Student activities included an article contest and Tech Charades, with prizes for top submissions. The events were coordinated by Dr. Saritha I G, Prof. Prathiba M, and student leaders Ms. Janhavi V and Koyal R D from the 6th semester ETE.



CID (Cod'in Detectives)

- An event by the Coding Crib Club of the ISE Department, was held on May 28, 2024, from 10:45 AM to 4:30 PM. The event aimed to inspire a passion for coding among students and evaluate their skills in a competitive setting. It consisted of five rounds, attracting 171 participants who formed 57 teams of three members each. The competition assessed students' expertise in quizzes, debugging, cybersecurity, and coding skills across various domains.

The Department of MCA held an invited talk on "Robotic Process Automation (RPA)" on May 4, 2024, for first-semester MCA students. Ms. Najwa Riyaz, an RPA Consultant, delivered the talk, providing insights into the basics of RPA, its industry applications, and future prospects, inspiring the students.



Industrial Visit

- The 4th semester students of Department of Civil Engineering engaged in the course "Electronic waste Management" have undertaken an industrial visit on 18-05-2024, at GRKMS Pvt Ltd (Authorised Recyclers recognised by (CPCB)). The students had first-hand practical experience wrt Multiple Technical Processes, OSH details and Refurbishment aspects. The students were accompanied by Prof. Shimna M, Prof. Siddananjiah and Dr. Rajesh Gopinath.
- As a part of the Water Internship Program (in collaboration with



AICTE, NSS Karnataka, EMPRI, KSPCB & BWSSB), 26 students of the department of civil engineering and NSS volunteers, participated in the LAKE WATER SURVEY PROJECT. The students surveyed the technical and social aspects of 14 lakes in Hosahalli and Saaslu Villages, Doddaballapur on 13th May 2024. The students noted the required survey data in a proforma provided. This event is also a part of their AICTE activity and was coordinated by Prof. Archana K, Prof. Arun Kumar R N and Dr. Shivakumar.

International Journal / Conference / Book Chapters

- Jai Arul Jose, G., Mahammad Mastan, and Louay A. Hussein Al-Nuaimy, "Aspect based hotel recommendation system using dilated multichannel CNN and BiGRU with hyperbolic linear unit", International Journal of Machine Learning and Cybernetics (2024): 1-20. <https://doi.org/10.1007/s13042-024-02184-6>, ISSN: 1868-8071, E-ISSN: 1868-808X. (SCIE)
- Komala R., Arunkumar B.R. et al, "Protecting Data Privacy in Cloud Using Ethereum Blockchain Technology for the Case of Patients Electronic Health Record (EHR)", International Journal of Intelligent Systems and Applications in Engineering, 12(3), 2024, 3718–3727.
- Iqbal Siddiq, B. R. Sujatha. "Secure authentication and key management based on hierarchical enhanced identity-based digital signature in the heterogeneous wireless sensor network." Wireless Networks (2024): 1-21. ISSN: 1022-0038
- Banuprakash R, Vishakha Yadav, G. V. Dwarkanath, S. A. Hariprasad, published a Book chapter titled "A Reconfigurable Antenna for C Band Applications" in Digital Convergence in Antenna Designs: Applications for Real-Time Solutions, Wiley publications, 133-152, 2024, <https://doi.org/10.1002/9781119879923.ch6>
- Pushpa Sothenahalli Krishnaraju, Manjunath Thimmasandra Narayanappa, Sheela Kathavate, Rudresh Shirwaikar, Anupchandra Rao Chandrakanth Rao, Jayachandra Rohith "Automated signal preemption system for emergency vehicles using internet of things", IAES International Journal of Artificial Intelligence (IJ-AI), Vol. 13, No. 1, March 2024, pp. 899~908 ISSN: 2252-8938, DOI: 10.11591/ijai.v13.i1.pp899-908
- Dr. N. Nethravathi. "Understanding AI Adoption: The Mediating Role of Attitude in User Acceptance", Journal of Informatics Education and Research, 4, No.2, (May 2024).
- Dr. N. Rakesh Associate Professor, Department of Information Science and Engineering and co-authors Ananya Dixit , Azra Rumana, Harshini K. presented a paper titled "Applying Machine Learning for Early Detection of Neurodegenerative Diseases", at 15th ICRET 2024 is an Annual Hybrid International Conference covering research in Engineering and Technology. The 15th INTERNATIONAL CONFERENCE ON RECENT ENGINEERING AND TECHNOLOGY 2024 will be held in Sri Venkateshwara College of Engineering, Bangalore, India on 30th and 31st May 2024. ICRET 2024 conference Collaboration with Samarkand State University Uzbekistan and Manipal University College, Malaysia. The paper will be published in Scopus indexed Indonesian Journal of Science and Technology Journal.
- Dr. N. Rakesh Associate Professor, Department of Information Science and Engineering and co-authors Sudharsan Aditya R. K., Sanjana Patil , Faizan Haque, Vedant Sanjay Mehwala presented a paper titled "Machine Learning-driven Insights for Customer Churn Analysis and Financial Enhancement" at 15th ICRET 2024 is an Annual Hybrid International Conference covering research in Engineering and Technology. The 15th INTERNATIONAL CONFERENCE ON RECENT ENGINEERING AND TECHNOLOGY 2024 will be held in Sri Venkateshwara College of Engineering, Bangalore, India on the 30th and 31st of May 2024. ICRET 2024 conference Collaboration with Samarkand State University Uzbekistan and Manipal University College, Malaysia. The paper will be published in Scopus-indexed Indonesian Journal of Science and Technology Journal.
- Dr. N. Rakesh Associate Professor, Department of Information Science and Engineering and co-authors Narasimha Murthy M. S, Prakash G.L., Akanksh Rao S. R. presented a paper titled "Development of a Machine Learning-enabled Embedded System for Robotic Arm Control in Waste Separation", at 15th ICRET 2024 is an Annual Hybrid International Conference covering research in Engineering and Technology. The 15th



INTERNATIONAL CONFERENCE ON RECENT ENGINEERING AND TECHNOLOGY 2024 will be held in Sri Venkateshwara College of Engineering, Bangalore, India on 30th and 31st May 2024. ICRET 2024 conference Collaboration with Samarkand State University Uzbekistan and Manipal University College, Malaysia. The paper will be published in Scopus-indexed Indonesian Journal of Science and Technology Journal.

- Dr. N. Rakesh Associate Professor, Department of Information Science and Engineering, and co-authors Dr. Prakash G. L., Mr. Mohamed Shakir presented a paper titled “Precision Forecasting of Customer Buying Behavior: The Power of Analytical Insights and Machine Learning”, at 15th ICRET 2024 is an Annual Hybrid International Conference covering research in Engineering and Technology. The 15th INTERNATIONAL CONFERENCE ON RECENT ENGINEERING AND TECHNOLOGY 2024 will be held in Sri Venkateshwara College of Engineering, Bangalore, India on the 30th and 31st of May 2024. ICRET 2024 conference Collaboration with Samarkand State University Uzbekistan and Manipal University College, Malaysia. The paper will be published in Scopus-indexed Indonesian Journal of Science and Technology Journal.
- Dr. B. R. Vinod, Dr. G. A. Swetha ,Department of Civil Engineering, Department of Chemistry BMS Institute of Technology and Management, “A Review of the Effects of Laser Cleaning on the Development of Corrosion and the Removal of Rust in Steel Bridges in Marine Environments “ Laser-Assisted Machining: Processes and Applications” , Wiley Publishers United States, ISBN 978-1-394-21463-1 (eBook), Page Number : 129-144, 7 th May 2024.
- Dr. B. R. Vinod, Dr. K. R. Ashwini, Department of Civil Engineering, Department of Physics BMS Institute of Technology and Management, “A Review of the Applications of the Laser Crack Measurement for White Topping Road “ Laser-Assisted Machining: Processes and Applications” , Wiley Publishers United States, ISBN 978-1-394-21463-1 (eBook), PageNumber : 87-101, 7 th May 2024.
- Dr. B. R. Vinod, Dr KR Ashwini, Department of Civil Engineering, Department of Physics BMS Institute of Technology and Management, “Removing Algae and Moss Growth on Compressed Stabilized Earth Block Wall Surface by Laser Cleaning “ Laser-Assisted Machining: Processes and Applications” , Wiley Publishers United States, ISBN 978-1-394-21463-1 (eBook), Page Number : 69-85, 7 th May 2024.

Placement Activities

- 2024 BATCH FINAL PLACEMENTS: The placement season for the 2024 Batch commenced on 01.07.2023. As on 31.05.2024, total 845 placement offers have been placed and given internship offers.

Events Drive

- M/s Advantech: 2024 Batch Advantech Campus Drive on 21.05.2024
- M/s Ascendion: 2024 Batch Ascendion Campus Drive on 22.05.2024.
- Placement Training: 2025 Batch Placement Training on 21.05.2024 to 23.05.2024.
- Placement Training: 2026 Batch Placement Training on 29.05.2024 to 31.05.2024.



NCC Events

- On May 18, 2024, nine cadets attended training with the Commanding Officer at SVCE College for selection in the 39 KAR INF BN, while the Combined Annual Training Camp was concurrently held at SVCE for the Republic Day Camp and Thal Sainik Camp.



- Cadets interested in TSC (Thal Sainik Camp) or RDC (Republic Day Camp) were sent to the ASC Centre in Bangalore for their respective selection processes. Training for TSC included map reading, obstacle courses, and judging distances, while RDC training focused on drill practice.



- Continuous screening for Obstacle Training was conducted from May 28 to May 30, 2024, at the Parachute Regiment Training Center, leading to the selection of cadets based on their performance. Louiz and Prem from SD (Senior Division) and Vaishnavi from SW (Senior Wing) were shortlisted. On May 31, 2024, 21 cadets participated in Map Reading, JDFS (Judging Distance and Field Signals), and H&H (Health and Hygiene) screening tests at the 39 KAR BN on Mysuru Road. One SD and one SW were selected for Judging Distance, while one SD and 7 SWs were chosen for Map Reading.

- Lcpl. Sarvani participated in the EBSB camp organized by the 3 Karnataka Girls Battalion NCC, Mysuru, on behalf of the NCC Directorate (Kar & Goa), Bengaluru, with 600 cadets attending. The camp was held at Jawahar Navodaya Vidyalaya, Mysuru, aimed at fostering integration and mutual understanding among the youth from different regions. Various competitions, including group dance, group song, throwball, volleyball, and tug of war, were conducted. On May 27, 2024, participants visited Chamundi Hills, Mysuru Rail Museum, Mysore Palace, and Brindavan Gardens. Cadets from both the Kar and Goa and Uttarakhand directorates attended the camp. Alongside the competitions, the camp featured events like folk songs and folk dances to promote cultural exchange.

- The daily routine begins with a PT parade, followed by morning sessions featuring PPT presentations by



each group. Cultural competitions were held during the evening sessions. On the 25th and 26th, EXPA (NCC Exchange Participants Association of India), organized by former NCC cadets, focused on enhancing employability among young individuals aged 18-21 through targeted training in critical thinking, communication, ethics, and gender sensitivity.





NSS Activities

- The pre-event meeting on 13.05.2024 outlined the upcoming field activity on 29-05-2024 in Doddaballapura Taluk, focusing on a comprehensive survey of 13 lakes across 12 villages within the Hosahalli and Sasalu Gram Panchayath limits. The Water Positive initiative, spearheaded by Yuvaka Sangha in collaboration with AICTE, NSS Karnataka, EMPRI, KSPCB, and BWSSB, aims to identify and restore small water bodies to counteract the negative water footprint in Bengaluru. Supported by AICTE, 40 colleges, including ours, are participating in this initiative. Fifty-two volunteers, guided by three faculty members and two bus drivers, conducted the survey using the Dishank App. The teams assessed the conditions of lakes, kalyanis, kunte, katte, and natural streams, noted their utilization by local communities, and identified areas needing rejuvenation or protection against encroachment



World No Tobacco Day

- On 31st May 2024, the NSS, in collaboration with Oracle CSR and the Indian Cancer Society, organized an awareness event on “World No Tobacco Day”, Dr. Bharat Shankar, an oncologist at Vydehi Institute of Medical Sciences & Research Centre, addressed over 200 students, NSS volunteers, and UBA and

YRC coordinators. He discussed how tobacco companies target youth and highlighted the adverse effects of tobacco consumption. Following the talk, students presented informative posters and participated in a campus walkathon to raise awareness among their peers.



NatShot-III

- As a collaborative effort to promote environmental stewardship, OIKOS (Eco Club) and the Photography Club of BMSIT&M organized NatShot-III, a Nature Candid Photography Competition. Held from January to April 2024, participants were tasked with capturing candid moments that showcased various forms of environmental stewardship. On 22nd May 2024, the winners were awarded by the Chief Guest, Shri. Ozwin Domnic Dsouza, the Faculty Coordinator of the Photography Club at BMSIT&M.



The Paperless Pursuit

- Under the leadership of Dr. Swetha M S, Assistant Professor in the Dept. of ISE, the Cyber Security Club organized "The Paperless Pursuit," a Capture the Flag (CTF) event that concluded with great success, profoundly influencing the college community and sparking a strong interest in cybersecurity among participants. The event combined engaging seminars and a thrilling CTF competition, providing valuable knowledge while fostering camaraderie and collaboration. Speakers Joseph, Niharika, and Sowmya delivered inspiring presentations that encouraged participants to delve deeper into the diverse field of cybersecurity. Celebrations of the winning teams highlighted the critical role of cybersecurity awareness

and skill development in the digital era. The dedication and enthusiasm shown by participants, mentors, and organizers underscored the importance of such events in nurturing future cybersecurity professionals. As the event concluded, its impact extended well beyond the auditorium, creating a lasting legacy of knowledge, inspiration, and empowerment.





Farewell 2024

- The farewell for the 2024 graduating students was held on 9th May 2024, with Mr. Kunal Kant, Director of Security at Capgemini and an alumnus of BMSIT&M (Class of 2006, Electronics and Communication Engineering), serving as the Chief Guest. During the



ceremony, the Best Outgoing Students from each department were recognized and rewarded, along with accolades for the Best Outgoing Student from the Institute, Best NCC Cadet, Best Sportsperson, and Best Readers from the 2024 graduating batch.

Readers Club

- The Readers Club at BMSIT&M organized a prompt-based poetry and short story competition on 2nd May 2024, where participants unleashed their creativity, crafting compelling stories and evocative poems based on the provided prompts. This event showcased a vibrant celebration of literary talent and camaraderie, as each



participant made a unique contribution to the imaginative landscape. The competition concluded with Sneha B (1BY22IS197), Vishwas S Gowda (1BY21IS194), and Rishika Gitta (1BY23CB043) emerging as winners. This event not only highlighted the participants' immense potential and passion but also built eager anticipation for future literary endeavors.

BICEP Activities

Start Up Premier league 2.0

- On 14th May 2024, the E-Cell organized SPL 2.0, an institute-level competition, featuring the convocation of the outgoing E-Cell core team and the induction of the new core team for 2024-2025. The event creatively integrated startups and the IPL cricket tournament to educate participants on finance management, decision-making, research, and problem-solving. The competition comprised three rounds: a timed test on aptitude, general knowledge, and current affairs; an auction where 10 teams used virtual funds to bid on 60 Indian startups; and a problem-solving round where teams developed solutions for the startups they acquired. This round also included a session on the business model canvas. The teams were evaluated and encouraged by external judge Mr. Guruprasad S N from IBM and internal judge Dr. Balu, Professor of the MBA department.



Expert Talk

- On May 27, 2024, Dr. A.T. Kishore, Director of Dhanwantri Drone Academy, delivered an insightful lecture on vertiports and their future significance to sixth-semester, Mechanical Engineering students and Aero Club members. Dr. Kishore elaborated on various drone types, their applications, and potential career opportunities within the drone industry. This session was part of a guest lecture series coordinated by Prof. Praveen Kumar T.N. and Dr.



Madhu M.C., and took place in Seminar Hall- 2 of the Academic Block. Additionally, Dr. Kishore visited BICEP, commending its startup ecosystem and engaging in discussions with the BICEP core team about possible collaborations in drone technology and other areas.

- Summer of Projects: The phase-1 of the summer of projects (IEEE in association with BICEP) is underway with the tracks of robotics, machine learning and IoT running concurrently. The phase 2 will begin shortly where the participants





will be trained to build projects with hands-on under the guidance of IEEE execom members and advisors.

- Srishti Innovation Exchange 2024: Srishti symbolizes creativity, innovation, and challenge, offering a platform for enthusiastic students and budding scientists to explore entrepreneurial opportunities. Each year, hundreds of passionate students from prestigious institutions across Karnataka participate in the Project Exhibition and Competition, following rigorous evaluation by a technical committee comprised of faculty from IISc, IIT, NIT, and other leading tech institutions. This year, 21 teams from BMSIT&M, actively encouraged by BICEP, participated across various departments (4 CSE, 1 EEE, 6 ECE, 2 AIML, 3 Civil, 1 ISE, and 4 ETE teams). BICEP financially supported these teams with a registration amount of Rs. 16,900/-. Organized by Atria Institute of Technology, Bengaluru, from 24th to 26th May 2024, the event included six competition categories: Srishti Exhibition (Final Year Projects), Avishkar (Pre-final Year Projects), Srishti Innovator Competitions, Architecture Competitions, Hackathons, and Srishti Param Talent Quest. Two teams won prizes in Avishkar Pre final year project Expo:



- ▶ 1st Prize - AIML department: Vishal Prajwal M- (1BY22AI121), Ganeshdarshan- (1BY22AI027) Sumukha – (1BY22AI104) and Ajay Rauniyar- (1BY22CS015)
- ▶ 3rd Prize - CSE department: Vikas H (1BY22CS1898), Shreya R (1BY22CS168), Mithul Narayana (1BY22CS153)



Expert Talk

Dr. Seema Singh, Professor & Dean of Innovation and Entrepreneurship, is the founder of Dostbin Solutions Private Ltd, specializing in wet waste management. She recently delivered a talk titled “Agri and Wet Waste Management: Government vs Citizen’s Role” on the KV (KhetiValah) Dialogue, an online platform that hosts discussions involving students, startups, scientists, and experts from diverse fields. This initiative, facilitated by Haldhari Technologies Pvt Ltd., fosters engaging conversations and ensures interactive participation among its community members.

Dr. Kishore A.T. serves as the moderator for KhetiValah Dialogue, which is dedicated to supporting farmers—an integral part of the country's economic backbone—by promoting better harvests and facilitating connections with investors (Niveshak). As technology evolves, KhetiValah aims to digitally link farmers with their

investors, serving as a comprehensive platform for agricultural needs. Designed to be a communication and service-oriented application, KhetiValah features a robust backend and user-friendly interface, striving to enhance the overall user experience.



Nasscom Mentoring Session

- NASSCOM Startups plays a pivotal role in fostering technology entrepreneurship in India, offering crucial resources for startups including incubation, acceleration, funding opportunities, and networking support. Dostbin, incubated under BICEP as part of Tech. we Nasscom (Women in Technology-Based Innovative Startups) with ID NASS-S62414, operate as Dostbin Solutions Private Limited. They conduct mentoring sessions led by seasoned leaders in entrepreneurship. Recently, mentoring sessions were held on 14th May 2024 and 17th May 2024 featuring Mr. Rajiv Semwal, Founder of World V VC Advisors, and Mr. Anirudh Modak, Advisor at Tap Consulting, respectively. These sessions aim to provide valuable guidance and strategic insights to nurture startup growth within the entrepreneurial ecosystem.

Future technologies for the coming decade will likely span across various fields such as artificial intelligence, biotechnology, energy, transportation, and computing. Here are some expected advancements:

1. Artificial Intelligence (AI) and Machine Learning (ML)
2. Biotechnology and Medicine
3. Energy and Environment
4. Transportation
5. Computing and Information Technology
6. Space Exploration
7. Robotics and Automation
8. Materials Science
9. Augmented and Virtual Reality (AR/VR)
10. Advanced Manufacturing
11. Human Augmentation
12. Internet of Things (IoT)
13. Climate and Sustainability



These technologies are expected to drive significant changes in society, economy, and daily life over the next decade.




BMS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT



BMS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Doddaballapur Main Road, Avalahalli, Yelahanka,
Bengaluru - 560064. Ph: 080 - 2952 1171 / 6873 0444
email : principal@bmsit.in | www.bmsit.in

 @bmsit_m

 bmsit_m

  BMS Institute of Technology

