

BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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**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. Mohan Babu G N
Principal, BMSIT&M



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Faculty Achievements

MoU

- A MoU was signed with “Criyagen”, represented by Mr. Ishwar Doddamani and Mr. Vignesh on July 20, 2023. Criyagen is a farming-related company with a focus on bringing the best technology and practises into the farming industry to make Farmers Happy and have happy crops. The event was Co-ordinated by Prof. Madhu MC, BICEP - Innovation centre.



Board of Examination (BOE)

- Dr. Ambika R., Professor, Department of ECE, was part of BOE (ECE/TCE board), VTU, Belagavi.
- Dr. Anilkumar K.D., Associate Professor, Department of ECE, was part of BOE member, ECE Board of MVJCE Autonomous System for 6th semester examinations.

Faculty as Resource Person

- Dr. Anupama H. S., Associate professor and HoD, Department of AIML was a resource person for Malnad College of Engineering (MCE), Hassan, on the topic “Artificial Intelligence and Machine Learning-An Overview” on 15.7.2023.
- Dr. Vishwa Kiran S., Associate Professor, Department of AIML was a resource person for Nagarjuna College of Engineering and Technology, Bangalore, on the topic “Data Science-An Overview” on 5.7.2023 and 6.7.2023.
- Dr. Pradeep K. R., Assistant professor, Department of AIML was a resource person for Nagarjuna College of Engineering and Technology, Bangalore,

on the topic “Machine Learning Perspectives” in virtual mode.

- Dr. Chethan A. S., Professor, Department of Mathematics has extended his support as a Resource person for the expert talk Applications of Mathematics on 15.07.2023 at Govt. First Grade College, Doddaballapura.
- Dr. Kallur V. Vijayakumar, Assistant Professor, Department of Mathematics has extended his support as a Resource person for the expert talk Vector Spaces and Linear transformation on 15.07.2023 at Rajarajeshwari College of engineering, Bengaluru.

Faculty Awards/Achievements

- Dr. Madhu Palati, Assistant Professor, Department of Electrical and Electronics Engineering has received a certificate of Excellence for reviewing articles in "Physical Science International Journal", on 21.07.2023.
- Prof. Praveen Kumar T. N., Associate Professor, Department of Mechanical Engineering and Chief Co-ordinator, IP (Intellectual Property) Cell, qualified Patent Agent Examination 2023 conducted during the month of May 2023 by Government of India, Ministry of Commerce & Industry, Office of The Controller General Patents, Designs & Trade Marks. Only those who qualify for the patent agent examination can register and practice as Patent Agents in India to prosecute patent applications in the Indian Patent Office.

Reviewer for Journal / Conference

- Dr. Vinod B. R., Assistant Professor, Department of Civil Engineering, has contributed as a reviewer in the peer review process of Manuscripts submitted to the International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD-2023) held on 07.07.2023 & 8.07.2023.



- Prof. Archana K., Assistant Professor, Department of Civil Engineering, has contributed as a reviewer in the peer review process of Manuscripts submitted to the International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD-2023) held on 07.07.2023 & 8.07.2023.
- Dr. Chandrashekarappa Agasnahalli, Assistant Professor, Department of Civil Engineering, has contributed as a reviewer in the peer review process of Manuscripts submitted to the International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD-2023) held on 07.07.2023 and 8.07.2023.
- Dr. Harish Kumar N., Assistant Professor, Department of ISE was a reviewer for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) is organized at Nitte Meenakshi Institute of Technology, Bengaluru INDIA during 1st and 2nd September 2023 in association with IEEE Bangalore Section. (SCOPUS INDEXED).
- Dr. Harish Kumar N., Assistant Professor, Department of ISE was a reviewer for IEEE Mysore Subsection at GSSS Institute of Engineering & Technology for Women, during 5th August -7th August 2023 in association with IEEE India Council and IEEE Bangalore Section. (SCOPUS INDEXED)
- Dr. Usha B. A., Professor Department of ISE was a reviewer for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) is organized at Nitte Meenakshi Institute of Technology, Bengaluru INDIA during 1st and 2nd September 2023 in association with IEEE Bangalore Section. (SCOPUS INDEXED).
- Dr. Aruna Kumara H., Assistant Professor, Department of Mathematics was a reviewer for International Journal of Geometric Methods in Modern Physics, world scientific (indexed in SCI).
- Dr. Nagamadhu M., Assistant Professor, Department of Mechanical Engineering, Reviewer for Materials Journal, MDPI Publications, WOS, Scopus, Impact factor 3.7.
- Dr. Nagamadhu M., Assistant Professor, Dept. Mechanical Engineering, Reviewer for Journal of Building Engineering, Elsevier Publications, WOS, Scopus, SCI, Impact factor 6.4.



"Engineering is the closest thing to magic that exists in the world."

- Elon Musk

"The scientist discovers a new type of material or energy and the engineer discovers a new use for it."

- **Gordon Lindsay Glegg,**
British engineer and author



Best Practices

Industry – Institute Interaction

- Dr. Usha B. A., Professor and Chief Incubation Coordinator had attended Carbon Zero Challenge 3.0 and also visited IIT Incubation Centre at IIT Madras on 26th - 27th July 2023.



FDP conducted/organised

- The Department of ETE, conducted a FDP on “IC Design using EDA Tools” in collaboration with CoreEL technologies from 24.7.2023 to 28.7.2023.



Industrial Visit

- An industrial visit was arranged by the Department of Electronics and Communication Engineering for 4th semester students at Central Silk Technological Research Institute (CSTRI) on 27.07.2023. Faculty members Dr. Vijayalakshmi G. V., Prof. Chandra Prabha R. and Prof. Shilpa Hiremath accompanied 35 students to the visit. This visit was mainly focussed on to understand the procedures involved in extracting the Silk fibers from the Silkworm cocoons. Dr. Mudakappa Itagi, Scientist -D and Head-Training Division explained about the status of silk production in India at global level, facilities available inside the centre, methods of extracting fibers, the equipments used for it, dyeing process and weaving technology.



Project Base Learning

- The Department of CIVIL Engineering organized Open Day on 08.07.2023 to exhibit the Project Base Learning (PBL) work carried out by the students of VI semester. The projects exhibited the student's ability to apply their learning to solve the real-world problems. The PBL Co-ordinator was Dr. Deepak M. S.



- The PBL is incorporated for the subjects which lack the blended mode of implementation through the Curriculum prescribed by the University. Subsequently, an analysis was carried out based on



the curricular course components to mitigate the gaps. The department of CSE, conducted an open day for the sixth SEM on 8.7.2023.

There were 62 Teams from the VI Semester who have participated in the review and evaluation process. All the faculty members have participated in mentoring the Teams and Internal evaluation process. The Final Evaluation was carried out by the External Judge Mr. Ruchir Dubey, (2011 BATCH ALUMNUS), Software Development Engineer 3, Whatfix Pvt. Ltd.



- The projects carried out by the 6th Semester students of Electrical and Electronics department under PBL were displayed on 08.07.2023 as part of the Open Day. Three batches were shortlisted on 7th July for this event. Mr. Nagendra Karmarkar from the InnoPhaseIoT was the external judge and Prof. Vikram Chekuri was the internal judge.



Expert talk organized

- The Department of Electronics and Communication Engineering in association with IP Cell organised a expert talk on “Technological Innovation and IP Generation: Patents” for 2nd semester students by Dr. K. T. Varughese, Patent Agent and Director, ConClavit Education & Additional Director (Retd.) Central Power Research Institute, Bengaluru, on 26.07.2023.

Alumni Interaction

- As a part of the NBA Committee visit, a session on Alumni Interaction was arranged on 8th July 2023. About 26 alumni students from 2013-2017 to 2019-2023 batches participated. The alumni students provided feedback on the department's contribution in molding their career, alumni events, and aspects of improvement in future. The alumni group consisted of entrepreneurs, students working in core civil engineering industry, IT domain and few who are pursuing higher education. The staff were overwhelmed to have alumni students back on campus after a long time. As a token of gratitude, BMSIT Alumni Association T-shirts were given to the students. The event was coordinated by Dr. Prashanth A. (Institute Alumni coordinator), Prof. Archana K, Mr. Siddananjaiah and Ms. Pooja B.



- The Department of CSE organized an expert talk on the topic "Learn Git and Version Control" for 4th semester students on 22.7.2023 by Mr. Ruchir Dubey, (2011 BATCH ALUMNA), Software Development Engineer 3, Whatfix Pvt. Ltd and Mr. Nitin Jain, Senior Engineering Manager Nutanix Pvt. Ltd.



UG Funded Projects

- KSCST selected UG student project for funding for the 46th series of Student Project Programme from department of civil engineering, titled "Sustainable Masonary wall block with Polycarbonate waste" guided by Mrs Shobha R, selected for State Level Seminar to be held at Alva's Institute of Engineering and Technology, Moodubidire from 11.08.2023 to 12.08.2023.

OBE activity

- As suggested in DAB meeting and PAC, outcome-based education (OBE) session for students was arranged on 04.07.2023 at 10:30AM for 2nd semester students, department of Civil. The session was arranged to brief the students on course outcomes, program outcomes, program specific outcomes. The session was delivered by Dr Rajakumara H N, HoD, Civil. He described the 12



program outcomes and their categories to knowledge, skills, and attitude. He explained the mapping of questions in IA papers and their significance.

Club activities

- The MUN (Model United Nations) Club launch event, followed by the mock parliament called "The Floor," was organized on 7th July, 2023. The event aimed to provide students with an opportunity to engage in diplomacy, public speaking, and critical thinking. The launch ceremony was graced by esteemed guests, and a core committee was formed to oversee the club's activities.



FDP /Workshops/STTP

Department	No. of faculty attended the FDP/Workshop/STTP
CIVIL	2
CSE	2
ECE	1
EEE	1
ETE	5
ISE	1
MBA	1

Online Course

Department	No. of faculty completed online course
CIVIL	1
CSE	1
ECE	1
EEE	4
ISE	1
MATHEMATICS	2
ME	3



Research Publications

International Journal

- G A Swetha, H P Sachin "Evaluation of the effectiveness of gabapentin as a corrosion inhibitor for mild steel in a 1 M hydrochloric acid environment using theoretical and experimental methods." Inorganic Chemistry Communications 155, (July 2023): 111082.
- Babu Naik Gugulothu, Sanjay Lakshminarayanan, Madhu Palati, Suresh Haleyr Lakshmegowda. (2023). "A Novel Method to Improve the Residual Life of Switchgear by Reducing the Impact Caused by Thermal and Mechanical Stresses Produced Due to SLG Cable Faults in Electrical Substations", Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 106(2), 68–77. <https://doi.org/10.37934/arfmts.106.2.6877>
- V. Venkatesha, H. A. Kumara, D.M. Naik., "Generalized V-Ric vector fields on contact pseudo-Riemannian manifolds", Matematiski Vesnik, 75 (3), 166-174 (2023). DOI: 10.57016/MV-mzwb3188 (Q3).
- Prof. Madhu, M.C has published a Lecture Notes in Mechanical Engineering in Springer on the topic Simulation Studies on Harmonic Analysis of Lighting Loads in Advances in Manufacturing, Automation, Design, and Energy Technologies. ICoFT 2020. Singapore. pp 775–783, https://doi.org/10.1007/978-981-99-1288-9_80.

International Conference

- Dr. Mudligiriappa Niranjnamurthy, Assistant Professor, Department of AIML, presented a paper on the topic "Multi-Objective Fault-Coverage Based Regression Test Selection and Prioritization Using Enhanced ACO_TCSP" on July 2023.
- Dr. Niranjnamurthy M., Assistant Professor, Department of AIML, presented a paper for 4th International Conference on Intelligent Engineering and Management (ICIEM), London, United Kingdom, on the topic "Transactional and Sequential model for pre-processing the textual data" on July 2023.
- Dr. M. Niranjnamurthy, Assistant Professor, Department of AIML presented a paper for International Conference on Artificial Intelligence and Applications (ICAIA) Alliance Technology Conference (ATCON-1), Bangalore, India, on the topic "Text Analysis Tool" on July 2023.
- Dr. Niranjnamurthy M., and Dr Pradeep K. R., Assistant Professors, Department of AIML presented a paper for the 4th International Conference on Intelligent Engineering and Management (ICIEM), London, United Kingdom, on the topic "Global Positioning System Based Wildlife Animal Tracking System" on 2023.
- Prof. Archana K. and Dr. Deepak M. S., Assistant Professor(s) and Bharath Singh B.D (1BY19CV002), Deepthi B R (1BY19CV007), Harsh Vardhan Kumar (1BY19CV014), Shaik Arshiya Sadaf (1BY19CV033) 8th semester, Department of Civil Engineering, BMS Institute of Technology and Management, "Study on Development of FRC and its Application on Sluice Gate" at the "International Conference on Interdisciplinary Approaches for Sustainable Development (IACESD-2023)" organized by Jyothy Institute of Technology, Bengaluru from 07.07.2023 & 08.07.2023
- Mr. Jyothi prakash, Dr. G.S. Jayadeva "Gate C-V characteristics of n-channel MOSFET considering Quantum Mechanical effects" IEEE international conference on Smart Systems for applications in electrical sciences at SIT - Tumkur July 7-8, 2023.
- Madhu Palati, Sameeksha, Pindi Hara Priya, Shylaja M, Sachin S. Shekar B. C., "Design of a smart braking system using Microcontroller for dual Scenarios", International Conference on Recent Advances in Fluid Mechanics and Nanoelectronics (ICRAFMN-2023), 12-14, July 2023, Manipal Institute of Technology, Bengaluru.
- Madhu Palati, and Mahipal Bukya, "Design and analysis of peaking capacitor for generation of high voltage fast rise time pulses", International Conference on Recent Advances in Fluid Mechanics and Nanoelectronics (ICRAFMN-2023), 12-14, July 2023, Manipal Institute of Technology, Bengaluru.

- Babu Naik Gugulothu, P. Vishakha Aithal, Karan Kishore, Gayatri Jaltare, Vertika Srivastava, "Design and Fabrication of Micro Drone for Surveillance of Hazardous Remote Environment", International Conference on Recent Advances in Fluid Mechanics and Nanoelectronics (ICRAFMN-2023) from July 12-14, 2023.
- Babu Naik Gugulothu, P. Vishakha Aithal, Karan Kishore, Gayatri Jaltare, Vertika Srivastava, "A Simulation-Based Control System and Model-Based Parameter Analysis for an Economical Drone", International Conference on Recent Advances in Fluid Mechanics and Nanoelectronics (ICRAFMN-2023) from July 12-14, 2023.
- Ozwin Dominic Dsouza, Anshul Mahesh, Kiran K. V., Rohan J., Shashank Tandur, "Remote Load Switching Based on GSM", International conference on Recent Advances in Fluid Mechanics and Nanoelectronics (ICRAFMN-2023) from July 12-14, 2023.
- Shilpa G, Vishnu Samudralal, Gaurav Kumar Rai, Eeshan Bhattacharya, "Universal DC Microgrid", International Conference on Recent Advances in Fluid Mechanics and Nanoelectronics (ICRAFMN-2023) from July 12-14, 2023.
- Harish Kumar, N, C Datta Shashank, N Adithya, Abhiram Galla, B Likeith, and G Deepak. 2023. "A Comprehensive Survey on Weed Identification in Agriculture Using Machine Learning." IEEE Xplore. July 6, 2023. <https://doi.org/10.1109/ICAIA57370.2023.10169741>.

Book Chapter Publication

- Dr. Arun kumar B R, Professor, Dept. of CSE has authored a book titled "Handbook of Outcome-Based Education Model (OBE): Best Practices and Formats for OBE Implementation in Technical Higher Education Programs" published by Book Publishing International (India and U.K.) in July 2023,
- Dr. HemaMalini B H, Associate Professor, Dept. of CSE published a book, "Performance Analysis of Engineering Students: Doctoral Thesis", on 11.7.2023, on Amazon, with ISBN 979-8459307948, Released in 13 countries: United States, Canada, United Kingdom, Germany, France, Italy, Australia, Netherlands, India, Indonesia, Nepal, Qatar, Yemen,

ASIN: ↑ BOC9S8SJ35, Publisher: ↑ Independently published (July 11, 2023), Language: ↑ English.

- Prof. Madhu M. C. Assistant Professor, Dept. of Mechanical, published two book chapters titled Investigation of Metallurgical Characteristics with Super Duplex Stainless steel plates and Recent Trends of Welding Technology and Applications. Both the above books are published in The Book title: Advances in Computing, Electrical, Electronics, Mechanical and Communication sectors of Central West Publishing Australia.

Book Editing

- Dr. Nagamadhu M., Assistant Professor, Dept. Mechanical Engineering is an editor for the book titled "Processing, Joining and Characterization of Composite Materials", Scrivener Publishing under Wiley publisher, indexed in Scopus and Web of Science.

Conference @ IITD

The students of Second Year CSE under the guidance of Dr. Arunakumari, Assistant Professor, Department of CSE, have presented SIX Research Papers (Theme : Discrete Mathematics and its applications to society) at THE 14th IEEE INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT), held at IIT - Delhi, during July 6th - 8th, 2023.

In this conference, papers were presented by a total of 16 students from CSE department, divided into 6 groups. Details of the paper are as follows:

Sl. No.	Paper Title
1.	Use of Propositional Logic in Building AI Logic and Game Development
2.	An Efficient Management of Delivery and Logistics Using Euler Graph
3.	An Efficient Approach to Solve Complex Rook Polynomials in Strategic Games
4.	Simplifying Structure and Pattern in Complex Social Networks Using Graph Isomorphism
5.	An Ameliorated Methodology for Water Supply and Management Using Binary Trees
6.	Enhancing the Quality and Efficiency of Mental Health Care using Decision Trees



THE 14th IEEE INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT) is a prestigious gathering of scholars, researchers, and experts from various fields from various countries. As part of our participation, we were invited to present our research papers for showcasing our innovative ideas and findings.



trainer. The session covered the following topics: Verbal a non-verbal communication, Comprehension passage, Synonyms and antonyms, and Team building activities. Overall, the session was informative and helpful for the students.

- The session on 07.07.2023 conducted by Mr. Pranesh, the session covered the following topics: Critical thinking, problem-solving, analytical skills, logical reasoning, and numerical aptitude. The session was useful in giving the fundamental problem-solving technique and logical thinking skills to the students,
- The session on 08.07.2023 conducted by Mr. Ajay, the session covered the following topics: Group discussion and Mock interviews. The students learned specific skills like group discussion, and how to prepare for the interview which was very important for them.



Placement Activities (MBA)

- The Department of MBA conducted a Placement training session from 06.07.2023 to 08.07.2023. The session on 06.07.2023 was conducted by Ms. Amala, a certified career counsellor and soft skills

Research Activities

Ph.D. Research Scholars Activities

Sl. No.	Research Scholar Name	USN	Research Centre	Guide Name	Activity done
1	Chandra Prabha R	1BY17PES01	ECE	Dr. Seema Singh	Comprehensive Viva Completed on 06.07.2023
2	Arati Reddy Nilap	1VE18PCV06	CIVIL	Dr. Rajkumara H N	Comprehensive Viva Completed on 14.07.2023
3	Madhu K A	1VE18PCV07	CIVIL	Dr. Rajkumara H N	Comprehensive Viva Completed on 14.07.2023
4	Prathiba N	1BY19PTE01	ETE	Dr. C S Mala	Colloquium Completed on 19.07.2023
5	Suma L	1BY19PEC01	ECE	Dr. Seema Singh	Comprehensive Viva Completed on 22.07.2023
6	Muniratnamma M	1BY15PGJ03	MATHS	Dr. Chethan A S	Requested for Change of Research Centre from BMSIT to BMSCE on 24.7.2023

Research Paper Writing Workshop

R&C Cell conducted Research Paper Writing workshop on 28th July 2023, at for Ph.D. Research Scholars and Faculty Members of BMSIT&M.

Objective of the Event: In today's academic context, there is consistent demand for academicians to publish good-quality research papers. This requirement is institutionalized and laid down by the statutory and regulatory bodies. The strategic plans by educational institutions to manage research and collaboration have become the main stage for research. Having these parameters and demands in mind, the objective of this session "Think before you ink - Research paper writing" is to demystify what constitutes a good research paper and overview the pleasures and challenges of writing a research paper. This session will serve as a platform and practical guide to the art of writing research papers. The total participants were 103 out of which 33 were Research Scholars, 30 participants were Faculty Members and 40 were students. The table below shows the speakers of this events:

Morning Session: 10.00 am to 12.30 p.m.	Afternoon Session: 2.00 pm to 4.30 pm
Dr. Rajkumar Elagiri Ramalingam Apex Semiconductor - AI Engineer	Prof. S.K. Nataraj Centre for Nano and Material Sciences (CNMS), Jain University, Bengaluru.



Summary of Ph.D. Research Scholars

Sl. No.	Research Centres	Total	External	Internal	Full-Time	Part-Time
1	Chemistry	7	7	-	2	5
2	Civil Engineering	3	3	-	1	2
3	Computer Science and Engineering	32	30	2*	2	30*
4	Electronics and Communication Engineering	14	9	5	1	13
5	Electrical and Electronics Engineering	9	3	6	-	9
6	Electronics and Telecommunication Engineering	2	1	1	-	2
7	Information Science and Engineering	12	8	4	-	12
8	Mathematics	3	3	-	-	3
9	Master of Computer Applications	9	7	2	-	9
10	Mechanical Engineering	12	7	5	-	12
11	Physics	8	8	-	-	8
*M.Sc. (Engg.)	Total	111	86	25	6	105



BICEP Activities

BICEP welcomed the new members, Mr. Raghav Kumar Jha (1BY21IS124) and Mr. S. C. Arham (1BY20CS153) interns, on July 1, 2023. The two-level selection process of student interns was coordinated by Prof. Bharathi R Chief Co-ordinator EDC, BMSIT. Dr. Veena N, Prof. Mahalakshmi S, and Prof. Shankar R, are the experts.

The National Board of Accreditation (NBA) had visited on 7th July 2023 to BICEP and Aarohan - Hardware Innovation lab. The facility was



appreciated by NBA committee members in their exit session.

EXPERT TALK

Session on "Converting Innovation into a Start-up" with Mr. Ratnakar Shastry, Founder and CEO of Avi Solar Tech Bangalore on July 11, 2023, at 2.45 p.m.



in the 2nd floor Seminar Hall, Academic Block, BMSIT. This event was coordinated by Prof. Madhu M. C., BICEP - Innovation centre.

COLLABORATION

Interaction with Dr. Lakshmi Jagannathan, DERBI Foundation, on July 12, 2023, to understand the

collaboration and mentoring of BICEP - Incubation Centre was co-ordinated by Dr. Usha B A , BICEP Incubation Centre.

Interaction with Mr. Nikhil Das S, Senior Consultant, RLZ Carban Bangalore, at BICEP to discuss Indian startup Ecosystem was coordinated by Mr. Chennabasava C, BICEP manager. Mr. Nikhil appreciated the "DOSTBIN" product and gave more suggestions to promote in tier 2 cities with subscription models. Further, he was requested to be a part of BICEP mentor panel.



FACULTY DRIVEN PROJECT

BICEP-Innovation centre handed over the first phase of funding amount of Rs 15,000 each to Dr. K. Suresh Kumar from the Department of Chemistry, for his project titled "Naked Eye Based Seafood Freshness, Spoilage & Adulteration Monitoring System" and Prof. Nirupama B. Khande from the Department of MCA, for the project titled "Smart Perfume Dispenser in Restroom" on 21st July 2023. The progress will be further monitored by Prof. Madhu M C.



STUDENT STARTUP

Mr. Chennabasava C., BICEP Manager, had co-ordinated “Venturethon” event pitch session for short-listed students which was held on July 21 & 22nd 2023. Students to start engaging in start-up practises including ideation, pitching, training, and incubator. Event was supported by Prof. Archana, Dr. Ravichandra, Ms. Shama H. M. and Dr. Usha B A.



topic was “Design, Model, Simulate, and Fabricate Nano Devices for Future Electronics”. This event is conducted by Dr. Madhu M C and Dr. Vinay.



Pre-Incubatee Presentation was held at Board Room, Academic Block on July 31, 2023, in the presence of Principal and the BICEP team. This event is Co-ordinated by Dr. Ravichandra K R BICEP - Incubation centre. This event was supported by of BICEP Co-ordinators.



BEYOND CAMPUS

Dr. Seema Singh & Mr. Shumail Ali Khan were invited for physical pitching session for the “Pitch for Planet” event organised by IIT madras on the Carbon Zero challenge 3.0 for their product DOSTBIN. Dr. Usha B A, Chief Co-ordinator incubation centre was also part of the event.

Dr. Seema Singh and Dr. Usha B A visited the Incubation Centre of IIT Madras on July 26, 2023. This visit helped the process of activities involved in the Incubation centre.



The following teams were present :

SI No	Student Name	Departmt	Project
1	Mr. Tejas Mutalikdesai	ISE	SGRT – Medical Expert Career Treatment
2	Mr. Lokesh & Team	ISE	DELOAI
3	Mr. Sai Niranjana R	MBA	E-Commerce for silk textile products
4	Mr. Ashwin	External	Electronics Design Consultancy

Project with Professor

Talk with Professor held on July 28, 2023, with Dr. Raju Hajare, Associate Professor at BMSIT&M. The



Intellectual Property(IP) Cell Activities

- IP Cell organized an Invited Talk for students of 4th Semester Mechanical Engineering and Electronics & Telecommunication Engineering on “Protecting Industrial Designs under Intellectual Property” by Mr. Jnana Teja Bandi, Research Associates, DPIIT Chair on IPR National Law School of India University (NLSIU), and also IP Consultant, Founder Inpro Edge IP, Bengaluru on 11. 07.2023. 92 students were participated and were motivated by the generation & protection of the Industrial Designs and processes involved in applying for a Design Registration in the Indian Patent Office.
- IP Cell organized an Invited Talk for the students of 4th Semester Civil Engineering and AI and ML on “Generative Artificial Intelligence: The New Age of Human Creativity and IP Creation” was delivered by Mr. Lokesh Venkataswamy, CEO and Managing Director, Innomanthra Consulting Private Ltd. Bengaluru on 20.07.2023. 61 students participated in the event and enriched their knowledge of the creativity using Generative Artificial Intelligence tools and its IP protection.
- IP Cell organized an Invited Talk was organized for students of 2nd Semester Electronics and Communication Engineering Department entitled “Technological Innovation and IP(Intellectual Property) Generation: Patents” delivered by Dr. K. T. Varughese, Patent Agent and Director, ConClavit Education and Additional Director(Rtd.), Central Power Research Institute, Bengaluru on 26.07.2023 and 97 students were participated and enlightened about the importance of Innovations, generation and protection of IP.
- IP Cell organized an Invited Talk was organized for students of the 2nd Semester Master of Computer Applications(MCA) on “IPR (Intellectual Property Rights) and IP Management for Start-ups” by Ms. Tanu Singh, Entrepreneur, Patent Attorney, Startup IPR Facilitator, Intellect Vidhya Solution, Bengaluru on 31.07.2023 in which 48 students were participated and benefited of how the Start-ups manage the Intellectual Property Rights.
- All the above programs were sponsored by KSCST (Karnataka State council for Science and Technology), IISc.(Indian Institute of Science) Campus, Bengaluru



NCC & Sports Activities

- The NCC-BMSIT&M welcomed the National Board of Accreditation on their annual visit to the campus.
- NCC BMSIT&M in association with YRC and NSS successfully conducted a rally to bring awareness about the ill effects of plastic to the local people on Avallahalli, Yelahanka on 14.07.2023.



- NCC BMSIT&M in association with NSS conducted a health checkup drive in the campus on 21.07.2023, for staff and students



- On 25.07.2023, Lcpl Sahana.K and Lcpl Subhash.R took part in the state level drawing competition held at Sheshadripuram Institute of Commerce and Management on account of Kargil Vijay Diwas. Lcpl Sahana. K won the first place.



- NCC BMSIT&M in association with LIONS BLOOD BANK and NSS successfully conducted a blood donation drive with over 200 donors on 28.07.2023.



- The BMSIT&M Table Tennis Men & Women teams were participated in VTU Bengaluru North Division Table Tennis Men & Women Tournament 2023-24.

organized by Sai Vidya Institute of Technology, Bengaluru. On 12th & 13th of July 2023. The Women's team emerged as Champions of tournament.



- The Badminton Men & Women teams have participated in VTU Bengaluru North Division Badminton Men & Women Tournament 2023-24. organized by Brindavan College of Engineering, Bengaluru. On the 18th & 19th of July 2023.



- The Baseball Men team participated in VTU Bengaluru North Division Badminton Men & Women Tournament 2023-24. organized by VTU Regional Office Mysuru. On 25th & 26th of July 2023.





Placement Information

The placement season for the 2023 Batch commenced on 01.09.2022. As on 31.07.2023, totally 769 UG Students are placed with a total 1110 placement offers have been placed and given internship offers as detailed below.

Sl. No.	COMPANY NAME	TOTAL NO. OF JOB OFFERS	CTC-LPA (Rs.)	Placement/Internship
1	ACADEMOR	38	6,00,000	Placement & Internship
2	ACCENTURE	36	4,50,000	Placement & Internship
3	ACCORIAN	6	8,80,000	Placement & Internship
4	AIRASIA	1	16,00,000	Placement & Internship
5	ALLSTATE	6	5,50,000	Placement & Internship
6	ALSTOM	33	6,80,000	Placement & Internship
7	AMAGI MEDIA LABS	1	33,00,000	Placement & Internship
8	AMAZON (AWS)	7	21,83,400	Placement & Internship
8A	AMAZON (AWS)	1	46,40,000	Placement & Internship
9	ANZ-AUS DATA	17	12,50,000	Placement & Internship
9A	ANZ-EDIA	6	13,00,000	Placement & Internship
9B	ANZ-SECURITY	13	13,00,000	Placement & Internship
10	AVAALI SOLUTIONS	1	3,00,000	Placement & Internship
11	B L KASHYAP	15	4,00,000	Placement & Internship
12	BEACON	4	3,50,000	Placement & Internship
13	BLACKHAWK	5	11,00,000	Placement & Internship
14	CARL ZEISS	5	11,00,000	Placement & Internship
14A	CARL ZEISS	5	5,00,000	Placement & Internship
15	CELSTREAM TECHNOLOGIES	7	6,00,000	Placement & Internship
16	CERNER	3	7,50,000	Placement & Internship
17	CLOUDERA	2	26,00,000	Placement & Internship
18	CODEYOUNG	9	7,36,000	Placement & Internship
19	COGNIZANT GEN	5	5,40,000	Placement & Internship
19A	COGNIZANT GEN	68	4,00,000	Placement & Internship
19B	COGNIZANT GEN NEXT	1	6,75,000	Placement & Internship
19C	COGNIZANT GENC ELEVATE	17	4,00,000	Placement & Internship
19D	COGNIZANT GENC PRO	10	4,00,000	Placement & Internship
20	CSG INDIA	3	7,50,000	Placement & Internship
21	EDUCATION CULTURE	1	4,00,000	Placement & Internship
22	EPICOR	7	9,25,000	Placement & Internship
23	EPSILON	21	6,00,000	Placement & Internship
24	EVERTZ INDIA	2	4,50,000	Placement & Internship
25	EXTERN LABS	1	4,00,000	Placement & Internship
26	FACE	5	5,00,000	Placement & Internship
27	FIDELITY	5	9,00,000	Placement & Internship
28	GALAXE SOLUTIONS	8	4,50,000	Placement & Internship
29	GAMES 24x7	4	14,56,000	Placement & Internship
30	GE APPLIANCE	1	4,00,000	Placement & Internship
31	GOLDMANS SACHS	1	24,00,000	Placement & Internship
32	HAPPIEST MINDS	10	5,40,000	Placement & Internship
33	HCL	1	4,25,000	Placement & Internship
34	HITACHI	4	8,00,000	Placement & Internship
35	HUMAN FRACTAL	5	4,50,000	Placement & Internship
36	HURON	16	6,10,000	Placement & Internship
37	IBM	6	7,75,000	Placement & Internship
37A	IBM	4	11,50,000	Placement & Internship
37B	IBM(CodeKnack)	4	4,75,000	Placement & Internship
37C	IBM(Intern)	3	4,50,000	Placement & Internship
38	INFORMATICA	4	8,48,784	Placement & Internship
39	INFOSYS	2	3,63,000	Placement & Internship
40	INTIME TECH	4	5,50,000	Placement & Internship
41	JSW	11	9,50,000	Placement & Internship
42	KANINI	1	4,50,000	Placement & Internship
43	LTTS	29	4,00,000	Placement & Internship
44	MASTEC QUADGEN WIRELESS PVT LTD	15	3,50,000	Placement & Internship
45	MAVENBERG	1	4,30,000	Placement & Internship
46	MERCHANT NAVY	6	9,00,000	Placement & Internship
47	MICROCHIP	2	14,00,000	Placement & Internship
48	MICROLAND	5	4,00,000	Placement & Internship
49	MINDTREE	120	4,00,000	Placement & Internship

Sl. No.	COMPANY NAME	TOTAL NO. OF JOB OFFERS	CTC-LPA (Rs.)	Placement/Internship
49A	MINDTREE	1	6,50,000	Placement & Internship
50	MOBILEUM	11	24,00,000	Placement & Internship
51	MONEYVIEW	3	23,50,000	Placement & Internship
52	NAMASTE CREDIT	15	10,00,000	Placement & Internship
53	NEWFOLD DIGITAL	6	15,00,000	Placement & Internship
54	NOKIA	11	8,20,000	Placement & Internship
55	ORACLE	19	8,88,580	Placement & Internship
56	PHONEPE	6	26,00,000	Placement & Internship
57	POLARIS	6	10,14,000	Placement & Internship
58	POLARIS	7	8,14,000	Placement & Internship
59	PRODAPT	7	5,50,000	Placement & Internship
59A	PRODAPT	9	4,00,000	Placement & Internship
60	PROTIVITI GLOBAL	10	5,00,000	Placement & Internship
61	PWC AC	1	6,00,000	Placement & Internship
62	SALESFORCE	1	7,50,000	Placement & Internship
63	SAMSUNG	3	8,50,000	Placement & Internship
64	SAP LABS	6	30,24,400	Placement & Internship
65	SIEMENS HEALTHINEERS	9	12,50,000	Placement & Internship
66	SIGNDESK	7	7,00,000	Placement & Internship
67	SIGNDESK	13	4,00,000	Placement & Internship
68	SIRIUS	5	7,00,000	Placement & Internship
69	SKOLAR	33	8,00,000	Placement & Internship
70	SMARTSOC SOLUTIONS	2	3,60,000	Placement & Internship
71	SOCIETE GENERALE	39	6,62,474	Placement & Internship
72	SONATA SOFTWARE	1	6,00,000	Placement & Internship
73	SQUADSTACK	1	22,00,000	Placement & Internship
74	SUBEX	1	8,50,000	Placement & Internship
75	TALLY SOLUTIONS	5	11,30,000	Placement & Internship
76	TATA DIGITAL	1	10,00,000	Placement & Internship
77	TATA ELXSI	21	4,00,000	Placement & Internship
77A	TATA ELXSI	10	3,50,000	Placement & Internship
78	TCS DIGITAL	4	7,00,000	Placement & Internship
79	TCS NINJA	1	3,36,877	Placement & Internship
79A	TCS NINJA	11	3,50,000	Placement & Internship
80	TEACHNOOK	70	6,00,000	Placement & Internship
81	TECHNOLOGICS	1	4,00,000	Placement & Internship
82	TESTVAGRENT	4	5,50,000	Placement & Internship
83	THE MATH COMPANY	19	5,50,000	Placement & Internship
84	TORRY HARRIS	25	4,00,000	Placement & Internship
85	TOYOTA KIRLOSKAR MOTOR PVT LTD	1	4,00,000	Placement & Internship
86	TURINGMINDS	12	3,50,000	Placement & Internship
87	VALTECH	2	6,00,000	Placement & Internship
88	VIATRIS	2	5,00,000	Placement & Internship
89	VTIGER SYSTEMS INDIA PVT LTD	1	3,50,000	Placement & Internship
90	YARA	3	8,50,000	Placement & Internship
91	YV ARCHITECT	4	2,40,000	Placement & Internship

- The placement season for the 2024 Batch commenced on 01.07.2023. As on 31.07.2023, 03 UG Students are placed in SIRIUS Company which is offering 7.00 LPA and Stipend of Rs. 20,000/- P/M.
- 2024 Batch MCA 18hrs Training: 2025 Batch MCA Students 18hrs Training on 3rd July to 5th July 2023.
- 2024 Batch MBA 18hrs Training: 2025 Batch MBA Students 18hrs Phase-II Training on 6th July to 8th July 2023.
- M./s Sirius Computer Solutions: Sirius Company Campus Drive on 10.07.2023 & 11.07.2023 for 2024 Batch Students.
- Industry Connect Programme-Yugma-2023: An Industry Connect Programme – Yugma 2023 Conducted on 14.07.2023.
- M./s Evertz India: 2024 Batch Preplacement session by Evertz India on 17.07.2023.
- Accenture Academy Interaction: M./s Accenture company Industry Academy Interaction TPO meeting on 21st July 2023 to discuss the placement drive 2023 strategy plan and market trends.
- PWC Cyber Security: .M/s PWC company Cyber Security Hackathon session on 26.07.2023.



JNANAVARDHANA

'Teachers to be taught and trained'—is a relatively growing concept found in Societies all over the world, in the nineteenth and twentieth centuries. Also, Quality education is considered as the backbone of the nation countries whether they are underdeveloped, developed, or developing countries at present. As part of sharing higher-level knowledge, BMSIT&M gives opportunities to Professors of various departments to deliver talks on recent trends and topics in their domain. This initiative has taken firm footage as Jnanavardhana, a series of talks given by Professors to share their knowledge in topics on cutting-edge technology and trending subjects. The list of topics delivered by the Professors during July-2023 is given in the table.

Sl. No.	Presenters	Date	T _{ime}	Topic Title
1	Dr. Hanumantharaju M.C	5.07.2023	12.00 to 1.00 pm	Low-light Video Enhancement on a Mobile Device using Illumination-Reflection Model based Retinex Envelope
2	Dr. Manjunath T.N	12.07.2023		Data Integration
3	Dr. Seema Singh	19.07.2023		Journey of bringing innovation to market with a case study
4	Dr. Rajakumara	26.07.2023		Building Information Modelling

Proctoring system and Counselling Report

Under each proctor (assigned faculty) a maximum of 25 students are allocated. Proctoring of each Department is monitored by a team of deputy chief proctors and a chief proctor at the institutional level. Students who have behavioural issues, or personal issues can avail the guidance of professional counsellor Mrs. Chetana Srinivas. She visits campus on Tuesday and Friday from 1.30 pm to 4.30 pm. She provides counselling for 'Behavioural', 'Personal', and 'Academic' issues. Students having academic deficits were guided by 'Study skills' and 'Time-Table management'.

One student from CSE had mild emotional disturbance. She was counselled by Client-

centred therapy. One student of ISE was counselled for personal issues using eclectic approach. One of the parent was guided regarding her son's academic issues from ECE. Two students of ISE and MBA were provided counselling for malpractice. Around ten students and one parent were counselled during the month of July-2023.



Learn continually
- there's always
"one more thing" to learn!
-Steve Jobs

Media publication



05-07-2023 College Fest-Utsaha-Indian Express

Open Day Celebrated At BMSIT Yelahanka

BMS Institute of Technology and Management, Avalahalli, Yelahanka, Bengaluru organized Open Day on 08th July 2023 to exhibit the Projects done by engineering students under the concept of Project Based Learning (PBL). More than 50 projects from Computer Science, Information Science, Artificial Intelligence & Machine Learning (AIML), Electrical Sciences, Civil and Mechanical branches exhibited their work. Experts from Industry were invited to evaluate the projects. Two best projects from each department were awarded the cash prize and will be considered for patenting and further taking it to the product level. Students were happy that, they could see the



projects from various streams in one place. They took insights from interdisciplinary projects across the departments. Students have demonstrated various projects covering Health care applications, Societal applications, Agricultural applications, Augmented Reality applications, Machine learning to name a

few. The projects related to application of cutting edge technologies in the educational sector were also demonstrated. Principal Dr. Mohan Babu GN, Dean Academics Dr. KM Satish Kumar, Dean Planning and Development Dr. Ganesh P, Dean Student Welfare Dr. Ambika R graced the occasion.

13-07-2023-Open Day-City Hilights



19-07-2023-Open Day-Indian Express

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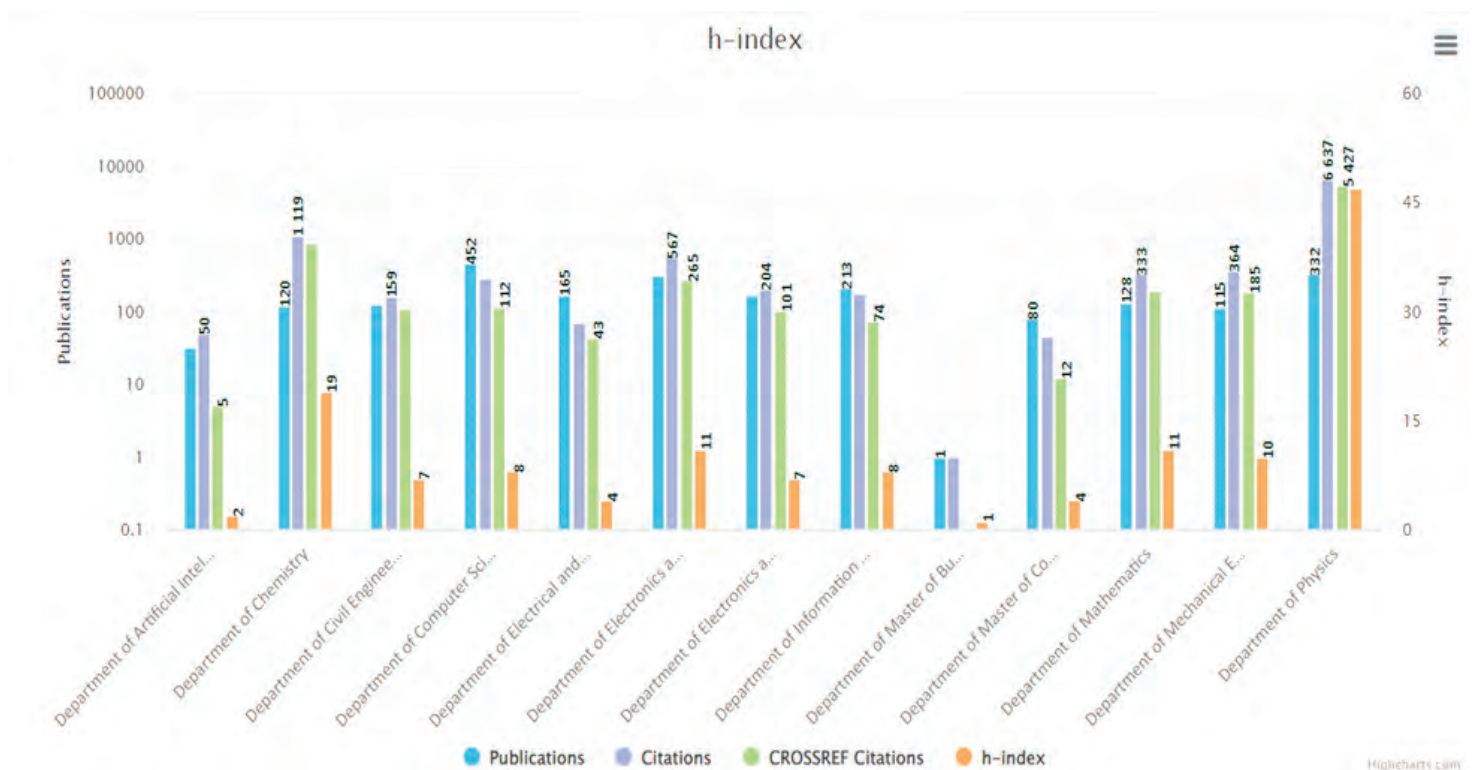
few. The projects related to application of cutting edge technologies in the educational sector were also demonstrated. Principal Dr. Mohan Babu GN, Dean Academics Dr. KM Satish Kumar, Dean Planning and Development Dr. Ganesh P, Dean Student Welfare Dr. Ambika R graced the occasion.

25-07-2023 Open Day-City Hilights



Faculty publication information from IRINS site

IRINS is web-based Research Information Management (RIM) service developed by the Information and Library Network (INFLIBNET) Centre in collaboration with the Central University of Punjab. The portal facilitates the academic, R&D organizations and faculty members, and scientists to collect, curate, and showcase scholarly communication activities and provides an opportunity to create a scholarly network. BMSIT&M through IRINS brings the details of its faculty research and publications details for the month of July-2023.



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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