



N.

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Yelahanka, Bengaluru - 560064.





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/bmsinstitute-of-technology-andmanagement/

YOUTUBE:

https://www.youtube.com/channel/UCZ LUwjJYZZvXvfPketkZZMQ



Presented by : Dr. Mohan Babu G N Principal, BMSIT&M



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



CONTENTS

Page No.

| Faculty Achievements | 1 |
|---|--------|
| Memorandum of Understanding | 1 |
| Session Chair | 1 |
| Board of Examination/Studies | 1 |
| Faculty As Resource Person | 1 |
| Faculty Awards | 2 |
| Out Reach Activities | 2 |
| Reviewers For Journal / Conference | 2 |
| Collaborative Research | 2 |
| Best Practices | 3 |
| Industrial Visit | 3 |
| TechTransform-2022 | 4 |
| Panel Discussion: Technological progress vs sustainable | |
| ecological system | 6 |
| FDP Conducted/Organized | 6 |
| Cultural Activities | 7 |
| Expert talk organized | 6 |
| Alumni Interaction | 7 |
| Induction Program | 7 |
| OBE Activities | , 9 |
| Partial Delivery Conducted | 9 |
| PBL Phase-1 Review | 9 |
| Research Publication | 10 |
| International Journal | 10 |
| International Conference | 10 |
| Departmental Activities | 11 |
| Placement Activities @ Dept | 11 |
| FDP /Workshops/STTP | 11 |
| Online Course | 11 |
| Innovation Centre Activities | 12 |
| Bengaluru Tech Summit 2022 | 12 |
| Induction Programme from HEFC and Innovation | |
| Centre | 12 |
| Carl Zeiss-India to BMSIT&M | 13 |
| NCC Activities | 13 |
| Sports Events | 14 |
| Placement Information | 15 |
| JNANAVARDHANA | 16 |
| Proctoring System And Counselling | |
| Report | 16 |
| Media publication | 17 |
| Faculty Publication Information From IRINS Site | 18 |



Faculty Achievements

Memorandum of Understanding

A Memorandum of Understanding with COCreate was signed on 7th November 2022 with the Institution's Innovation Council team, BMSIT&M. The motive of the agreement is to set up CoCreate Virtual Incubator in the college to create an environment of innovation & Entrepreneurship to identify opportunity, to create venture scale start-ups from the institute to encourage students to become enablers/ Entrepreneurs creating start-ups to identify programs & infrastructure to create an environment for building great stratus and to identify opportunities to help institution to

generate value in terms of financial & intellectual capital with right legal structures.



Session Chair

- Dr. Bharathi Malakreddy A., Professor and Head, Department of AI & ML, sessioned the Chair at International Conference on Multidisciplinary Research for the track on AI&ML, SBR University, Gulbarga on 23.11.2022.
- Dr. Usha B. A., Professor was Session Chair for the International Conference on Multidisciplinary Research (ICMR 2022) organized by Sharanbasva University, Kalaburgi on 24.11.2022.

BOE/BOS

• Dr. Bharathi Malakreddy A, Professor and Head, Department of AI&ML, was a BoS member for SBR University, Gulbarga on 4.11.2022.

Faculty as Resource Person

 Dr. Usha B A, Associate Professor and Deputy Coordinator Incubation Centre, has coordinated to visit DERBI Incubation Centre at Hosur Road along with Innovation/Incubation students and staff members on 19.10.2022.

- Dr. Bharathi Malakreddy A., Professor and Head, Department of AI&ML, delivered a talk on "Mathematical Modelling in Data Science" at the International Conference on Multidisciplinary Research, SBR University, Gulbarga on 22.11.2022.
- Dr. Dhanalakshmi B. K., Assistant professor, CSE has extended their support as a Resource person for Cambridge College of Engg on "AWS Cloud" from 16.11.2022 to 17.11.2022 at Bangalore.
- Dr. Usha B. A., Professor has extended her support as Resource Person for delivering the "Talk on Al in Cyber Security" at Sharanbasva University on 24.11.2022.
- Dr. Shoba M., Associate Professor, Department of ISE has extended her support as a Resource person for the Seminar on "Machine Intelligence" for BCA students on 28.11.2022 at Nagarjuna Degree College Bangalore.
- Dr. Karabi Sikdar. Professor and HoD, Department of Mathematics, had extended her support as a Resource person for the Faculty Development Program on "Recent Advances in Computational Mathematics and Applied Sciences", organized by the School of Management, Department of Mathematics association with Karnataka Science and Technology Academy (KSTA), Reva University, Bengaluru on 17.11.2022.
- Dr. P. Ganesh, Professor, Department of MCA was invited as a Member, Academic Audit, Department of MCA, BMSCE on 30.11.2022.
- Prof. T. N. Praveen Kumar, Associate Professor, Department of Mechanical Engineering has extended their support as a Resource person on the topic "Introduction to IPR: Patents, Industrial Design and Trademark" on 19.11.2022 at Nagarjuna College of Engineering, Bengaluru.
- Dr. Nagamadhu M., Assistant Professor, Department of Mechanical Engineering has extended their support as a Resource person on the topic "Composite Materials and its Applications" on 12.11.2022 at CPC Polytechnic and Banumaiah's Polytechnic, Mysore.



Faculty Awards

- Dr. Anjan Krishnamurthy, Professor, Department of ISE, was awarded the "Research Excellence Award" By InSc on 7.11.2022.
- Dr. Bhuvaneshwari C.M , Professor, Department of CSE, was honoured by GOA chief minister Shri Pramod Sawanth for the Tremendous contribution for the development of Kannada on 13.11.2022.

Dr. Bhuvaneshwari gets award in Goa by Kannada Association

BUAPUR. 16 Nov: The Goa Association of Kannadigas held a programme to boner various people who have given tremendeus contribution for the development of Kannada. As part of which



Kannada. As part of .which, Dr. Bhuyaneshwari Melinamath, the locture in computer science who has innovated Kannada script. In computer science, was awarded by the association.

She was given Rs. 1 lakh Other dignitaries such eash prize and a citation for her achievement. Halankar, Sänshkumar Goa Chief Minister, Hosmani, Chandrakart Pramod Savant was Sheti, Naresh Saval, present on the occasion. Rajesh Patnekar, Michel

ries such Lobo and others were veelkant present oblumar The association ndrakant has congratulated h Saval, Melinamath for the a Michel award the release suid

- Dr. Shoba M, Associate Professor, Dept. of ISE was selected for the IDCSS22 Challenge by The Hague Centre for Strategic Studies, Netherlands, and proposed a solution for the same in the form of 3 min video.
- Dr. Nagamadhu M, Assistant Professor, Department of Mechanical Engineering, selected as Translator for the technical book writing in Kannada book titled Materials Science and Engineering, under the scheme Technical Book Writing in Regional Language Kannada, VTU-AICTE, India.

Out Reach Activity

- Dr. Arun kumar B.R. Professor, CSE participated on 12.11.2022 as a DC member for Ph.D programme at NMIT, Bengaluru.
- Dr. Usha B A, Professor and Chief coordinator has organized the Elocution Competition on Vigilance Awareness for the students of BMSIT in association with Power Grid Corporation of India Ltd on 4.11.2022



Reviewer for Journal / Conference

- Dr Anupama H S, Associate Professor, Department of AI & ML, was reviewer for International Conference on Artificial Intelligence and Machine Learning in Applied Biotechnology (AIMLBIO), organized by RVCE in collaboration with Bangalore BIO Innovation center.
- Dr. Jyothi C Abbar, Associate Professor, Department of Chemistry was a reviewer for Analytical Letters (Journal is indexed in SCOPUS).
- Dr.Arun kumar B.R. Professor, Dept. of CSE has been designated to serve as a reviewer on the editorial committee for the Inter Journal of Computing and Digital Systems (IJCDS), SCOPUS indexed, November-2022
- Dr.Arun kumar B.R. Professor, Dept. of CSE, was a reviewer for 8th International Conference on Signal, Image Processing and Embedded Systems (SIGEM 2022) 19.11.2022 to 20.11.2022, Zurich, Switzerland.
- Dr. Banuprakash R, Assistant Professor. Department of ETE, was a reviewer for VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems (VSPICE-2022), to be held on 22-23 December 2022(the conference is indexed in SCOPUS).
- Dr. Mallikarjuna Gowda C P, Associate Professor & HoD. Department of ETE, was a reviewer for VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems (VSPICE-2022), to be held on 22-23 December 2022(the conference is indexed in SCOPUS).
- Dr. Mallikarjuna Gowda C P, Associate Professor & HoD. Department of ETE, was a reviewer for International Journal on Drones, MDPI Journal November 2022.
- Dr. Basavaraj G.N, Assistant Professor, Department of ISE, was a reviewer for the IEEE Nkon2022 international conference hosted by Bldea's V.P. Dr. P. G. Halakatti College Of Engineering & Technology, Bijapur during the 20-21st November 2022(SCOPUS indexed).

Collaborative Research

 Dr. N. Rakesh, Associate Professor, Department of ISE, as subject expert attended two research scholars' Ph.D. qualifying examinations at Amrita University, Bengaluru Campus.

Best practices

- The Department of Mechanical Engineering established the "Standards Club" on 30.11.2022 in collaboration with the Bureau of Indian Standards (BIS), which is the National Standards Body of India. The inaugural ceremony was presided over by Dr. KM Sathish Kumar, Head of the Department, and Dr. H K Govindaraju, Vice Principal, gave a presidential speech. The chief guests Mr. Narendra



Reddy, Joint Director, and Scientist-D, Bureau of Indian Standards, Bengaluru, and Mrs. Shivangi Rai, Standards Promotion Officer, presided over the "Standards Club" inaugural ceremony. Mr. Narendra Reddy delivered an address, followed by a session on the creation of a standards club. Participants in the inaugural event included all of the faculty, technical staff, standard club members, and 5th and 7th semester students. The organising committee for setting up the "standards Club", was led by Prof. Madhu MC and Dr. O. Gurumurthy.



Industrial Visit

An industrial visit was arranged by the Department of Civil Engineering for 5th semester at Sewage treatment plant at our own college on 08.11.2022. Dr Rajesh Gopinath accompanied the students.



An industrial visit was arranged by the Department of CSE for 3rd semester CSE students at ATAL IDEA LAB VTU campus, Muddenahalli on 24.11.2022. Prof. Jagadish P and Prof. Anand R accompanied around 56 students



An industrial visit was arranged by the Department of Mechanical Engineering for the VII semester at Bangalore on 29.11.2022. Prof. Sriganesh T G and Dr.Ravichandra K R accompanied the students to Difacto Robotics and Automation Pvt Ltd. It is a leading robot solutions provider in the Indian manufacturing sector. A visit to the Software development institute SDI, Bangalore was done on 23.11.2022 by Aeroclub students accompanied by the faculties from Mechanical Engineering, E&CE, and AI&ML. Prof. Madhu M C represented from the Department of ME. The visit helped the students and staffs to acquire domain knowledge in the field of avionics and radar technologies.





TechTransform - 2022

The annual technical festival, Tech transform was launched on 22nd November, by our honorable Sri. Aviram Sharma, Trustee BMSET and Chairman BMSIT&M, Sri Ravi Venkatesam, Trustee BMSET, Chairman BMSSA and Dr. Mohan Babu G N, Principal. Dr. Seema Singh, Chief coordinator of Techtransform along with core team member, Dr. Shobha Rani was present along with faculty and students. The drone show was followed by a video launch of the event

BMS



Dr. Ananda Lakshmanan, Founder of Sirpi Products and Services, inaugurated the two-days Tech Festival -Tech Transform - 2022 at BMSIT&M. He said that technology should be used effectively for the development of the country. He insisted that most internet-based companies are relying on data science technology, due to which students are getting good opportunities in the data science departments these days.

Our Chairman, Sri. Aviram Sharma spoke about the benefits of Tech Utsav. Principal, Dr. Mohan Babu G.N. talked about the progress of technological and industrial sectors which plays an important role in the development of any country. Students should focus on developing research, industry and technology domestically, he said. Tech Transform is a platform to showcase the technological progress of students. He said that it is a happy thing that not only the students but also the surrounding school children can also get the benefits of Tech Transform. ISRO Scientist Mr. H. L. Srinivasa gave a brief introduction to the students about the many achievements of ISRO. Vice Principal, Dr. Govindaraju HK was present to grace the occasion. Dr. Seema Singh, Dean-external relations and coordinator of Techtransform briefed about the highlights of the program like "Space on wheels" by ISRO and IAF bus for giving insights to air force pilots experiences during the Tech transform function.

- As part of Tech Transform the Department of Al&ML had all the events conducted through Transcendence. The department of Artificial intelligence organized 4 events in Transcendence. The first event was Wager war. It was an IT quiz for the smartest brains. After that we had Sher Unlock Holmes, were the participants wore their thinking hats and solved the Murder Mystery. Next up we had Nftify where we had a quick session on how to create Nftifys and then we had a competition regarding the same.
- The next day they had Blaze a Trail where participants got an opportunity to present their research paper. This was a great opportunity for students to get to know and learn about various research projects.



The Department of Civil Engineering conducted three events under the banner of Cinnovil in Tech Transform-2022. The Faculty Coordinator and Student Coordinator for the Event is Dr. Lalit Kumar Gupta & Ms. P V Sai Dedeepya. The name of Events are "Bridge Mania", "Crack the CAD", "Civil Quotient" & "Building Blocks.



• The department of Computer science and Engineering organised the events under the title "ANKURAM" and inaugurated it on the first day which had 5 events ie., Byte point, Maze runner, Error with stand, Qudra and Techquella scheduled for students across the department. ANKURAM had more than 100 students participating in various events scheduled for the day. The cash prizes were issued to the winners. The second day was at the institution level where a panel discussion on the topic "Technological Progress versus Sustainable Ecosystem" was arranged for the students and faculty members.



 The Poster making, Circuit Debugging, Quizathon and Logic Optimization competitions were organized by Department of Electrical and Electronics Engineering as part of the Vidyut 8.0 under the aegis of TechTransform–2022 on 25.11.2022 & 26.11.2022.



 The department of Electronics and Telecommunication Engineering organized Tekruthi 6.0, a department fest on 25.11.2022 and 26.11.2022. The students of 3rd, 5th, and 7th sem ETE were involved in making the grand success of Tekruthi 6.0. The fest had three events such as "Circuit runners" where students had to solve riddles based on electronic components and use the components to make a circuit, "Technical Extempore: Are Machines Becoming More Human?" where each participant had to speak for or against the given topic for two minutes and one minute was given for rebuttal. Finally the third event "MARKETHON" Markethon – "Can't Sell if u can't tell", this Marketing event consisted of two rounds and an auction Where a list of given tech products was put up for auction The teams bid for their interested product and market it in the first round.



 On the occasion of TECHTRANSFORM-22, the Department of Mechanical Engineering organized various events with a connection to the transformation of technology under the title MECHATRON-22 on 25.11.2022 and 26.11.2022. The events conducted were MECH Quiz, Make It Sell It, Trim Trail and Auto Quiz. From the Department of Mechanical Engineering, Dr. Nagamadhu M was the faculty coordinator and Mr. Rajath M Patel and Mr. Karthik D B are students coordinators of the events.





Panel Discussion: Technological progress vs sustainable ecological system

The last event of Techtransform-2022 was the panel discussion that was organised. The topic for discussion was on "Technological progress vs sustainable ecological system ". The panel discussion was moderated by Dr Mohan Babu G N, Principal. The panellist were Mr. Rajgopal, Chief Executive Officer, Fidrox Technologies Pvt Ltd, Mr. Arunkumar Jayadevaiah, Engineering Consultant and Skill Development Trainer at LG Square Designers & Construction ,V.A.V Associates and Champion Infratech and Mr. A.C.N. Murthy, founder president of rotary club of Vidyaranyapura, Bengaluru, also served as director of international service, Honoray director of Czech business incubator, Bangalore and secretary of India - srilanka inter country friendship committee. Our faculty and active environmentalist, Dr Rajesh Gopinath, Civil department graced the event by contributing as one of the panel member. The faculty and students took active part in the panel discussion.



FDP conducted / organized

The department of Chemistry, conducted an FDP on "Advanced Material Techniques for Engineering Applications" from 31.10.2022 to 05.11.2022. Advanced material techniques when used, refers to the broad and general process by which a material's structure and properties are probed and measured. It is a fundamental process in the field of materials science, without which no scientific understanding of engineering materials could be ascertained. The scope of the term often differs; some definitions limit the term's use to techniques that study the microscopic structure and properties of materials, while others use the term to refer to any materials analysis process including macroscopic techniques such as mechanical testing, thermal analysis, and density calculation. The scale of the structures observed in materials characterization ranges from, such as in the imaging of individual atoms and chemical bonds, up to centimeters, such as in the imaging of coarse grain structures in metals. The Department of Chemistry had come up with an online FDP platform to disambiguate and uncover some of the concepts of material characterization techniques and understand its applications.

| SI | Name of the | Designation | |
|----|------------------------|----------------------------------|--|
| No | Resource person | | |
| | Prof. C. V. Yelamaggad | Scientist, Centre for Nano and | |
| 1 | (Keynote speaker) | Soft Matter Sciences, | |
| - | | Bengaluru | |
| | Mr. Praveen Kumar T N | Assistant Professor, | |
| 2 | | Department of Mechanical | |
| 2 | | Engineering, MSIT&M, | |
| | | Bangalore | |
| | Mr. R.Girijan | Consultant-Product Support | |
| 3 | | Toshvin Analytical Pvt. Ltd. | |
| 5 | | Mumbai | |
| | Dr. Anand Tadas | Regional Application specialist, | |
| 4 | | Morphology solution (ISEATA | |
| | | region) | |
| 5 | Dr. Senthil Kumar | Regional Sales Manager, South | |
| | | India. | |



Cultural Activities

A function was organised to celebrate Kannada Rajyotsava and to Inaugurate "HONNUDI" Kannada sangha on 3.11. 2022. Dignitaries present in the inauguration ceremony are

- 1. Prof. Krishne Gowda (Chief Guest)
- 2. Sri. Aviram Sharma (Chairman, BMSIT&M)
- 3. Dr. Mohan Babu G. N. (Principal, BMSIT&M)
- 4. Dr. GovindhaRaju H K (Vice Principal, BMSIT&M)
- 5. Dr. Mala C. S. (Dean SW, BMSIT&M)

Members present during the event were Dr. Manoj H M, Dr. Sunanda Dixit and Prof. Shobha R, Institute Level Cultural Coordinators, Heads of all the departments, Deans and Students. Dr. Arun kumar B.R, Professor CSE sang a Kannada Bhavageethe of Kuvempu, Music by Shri. Ashwath and originally sung by versatile actor. Dr. Rajkumar.



Expert talk organized

 Mathematics Department organized an expert talk on the topic "Motivation to tomorrow's budding engineers to excel in professional carrier" by Shri. S.S.Avadhani, Retd scientist, Central Manufacturing Technology Institute, An Autonomous R&D Institute under Ministry of Heavy Industries, Govt. of India, for III sem Civil and ISE students on 10.11.2022.

Alumni Interaction

 Mr. Nithin Prabhkar has been delivered the session in related to EDC on 26.11.2022 as part of Tech Transform - 2022 in Seminar Hall-2, Academic Block.



 Department of Electrical and Electronics Engineering organized an expert talk on the topic "Career Guidance" for the 3rd-semester students on 23.11.2022. Mr. Mohammad Adil Ansari is an alumnus of the 2019 graduating batch. He gave a brief idea about Importance of Career Guidance. Career is a much larger and significant part of our today's life and any decision in terms of career planning. With numerous courses, certifications, college activities, and job opportunities available. On this basis, he suggested students to involve in the internship program, online courses, PBL activities, etc which gives self-confidence and overall personality development to lift up their carrier.

Induction Programe

 Induction program at AI&ML department for first year students was conducted from 21.11.2022 to 30.11.2022. Around 74 students had registered for the department and participated actively in the induction program. In this program a welcome address was delivered and briefing about AI and its importance was done. Further, discussion on topics like Artificial Intelligence and its Applications, Machine Learning and its techniques, Process of Introducing subjects, BOS, Industry, and Academia focus towards AI&ML.





Induction Programme

• The department of Electronics and communication engineering conducted an induction program for the first year. The department presentation was given on 21.11.2022, it begin by HoD introduced himself to the first-year students. Then asked students to introduce among themselves. Following that HoD presented to the students about department, departmental laboratories, other facilities available, and various teachinglearning methods adapted including PBL & KSCST projects. Students' achievements in sports, culture, and academics. Faculty achievements in recent vears & R&D activities. Placement statistics in the last four years, college working hours, and also on NBA and NAAC accreditation. Finally guestion and answer session. Finally thanked all the students for their patience hearing.



 The Department of ETE organized a Students Induction program for newly joined students of first year on 21.11.2022, Dr. Mallikarjuna Gowda C. P., HoD, ETE presented an orientation programme on Department Vision and Mission, Introduction by all the faculty and Staff, Human Resource Information, Department Infrastructure and facilities, MoUs, Industry Partnership, and Research Projects, Faculty/Student Achievements, Patents, Sponsored Student projects, University Results, Placement, Higher Education & Entrepreneurship, Research Publications, ETE Research Centre Details, Workshops, Project Based Learning.

Ice Breaking session was conducted to the students which helped them to know each other. The



students were asked to introduce themselves with their hobbies and they also told a positive attitude with the starting letter of their name. The students were divided into groups, they were told to draw a random picture and then frame a story out of that. The same group was given a set of newspapers and they were asked to dress up one person in the team and then say a few words on the attire made which was coordinated by Dr. Sowmyashree M S and Dr. Sumathi M S, Assistant professors. ETE



 The Department of Civil, Conducted Student Induction Program for 2022 Batch students from 21.11.2022 to 30.11.2022 on various activities in Department level and Institute Level. Faculty Coordinators are Dr. Chandrashekharappa A and Dr. Lalitkumar Gupta.



November 2022

OBE activity

Partial Delivery Conducted

The department of CSE conducted Partial Delivery for the subject "Robotics Process Automation" to the 7th semester CSE students on 4.11.2022 to 5.11.2022 by the resource person Mr Sandeep MC, Assistant Manager, PwC coordinated by Prof. Bharathi R and Prof. Shankar R





 As part of outcome-based activity a workshop on Multisim circuit simulator was conducted for 3rd semester B and C section students was conducted by the department of ECE, on 07.11.22. Multisim is a circuit simulator used for the analysis and simulation of a given electronic/electrical circuit. This workshop was organized and conducted by Dr. Surekha Gondkar, Associate Professor and Dr. Rashmi N, assistant professor, Department of ECE. This workshop not only benefit the students in learning the circuit building and also it will help the students to analyse any circuit. Around 65 students attended this workshop.

PBL Phase-1 Review

The department of Computer Science and Engineering conducted the PBL Project Phase - I review for the 5th semester, it was scheduled on 15.11.2022. The students of 5th semester were a sked to implement an algorithm /Protocol/Concept of Computer Networks using Python Constructs in the PBL.

"The global arms race for AI will cause World War - III "



– Elon Musk

Global competition to be the country with the most sophisticated AI will be the cause of the next world war, Musk predicts. His comment was responding to a story about Russian president Vladimir Putin predicting the country winning in artificial intelligence "will be the ruler of the world".



"You become a star not because of your title; you become a star because you are adding star value to the company."

- NR Narayana Murthy, Infosys Co-founder



"Slowly, ideas lead to ideology, lead to policies that lead to actions."

- Nandan Nilekani, Infosys Co-founder



Research Publication

International Journal

 Dr. Arun kumar B.R has published a paper titled "Study on the Correlation between the Discrimination Index, Facilitation Value and Distractor Efficiency of a Formative Assessment Useful Tools for OBE Practices in Journal of Engineering Education Transformations, a Scopus in d e x e d, Q 3 Journal, DOI: 10.16920/jeet/2022/v36i2/22153, Year: 2022, Volume: 36, Issue: 2, Pages: 46-54, Q3 journal.

BMS

- Dr. Arun kumar B.R and Bhavana G V published a paper Titled " lot Based Covid-19 Systems – Literature Survey And Solutions", in YMER international Journal, Scopus indexed Q4 journal, Manuscript ID: YMER2110G3, ISSN 0044-0477 in Volume 21 Issue 10(October 2022) pp. 756-771, DOI: 10.37896/YMER21.10/69.
- A. Bhattacharyya, R.Kumar, S.Bahadur, G.S. Seth, Sunil, "Modeling and interpretation of peristaltic transport of Eyring–Powell fluid through uniform/non-uniform channel with Joule heating and wall flexibility", Chinese Journal of Physics Vol. 80, Pages: 167-182.(Publisher: Elsevier, Indexing: SCI, SCOPUS, Web of Science, Impact Factor: 3.957).

- Shivakumara T and Rajshekhar M Patil, "Privacy Breach Detection and Hindrance of data in cloud computing", YMER, Vol 21, Issue 11, Nov – 2022, pp 543-551, ISSN NO: 0044-0477, Impact factor 5.7.
- Dr. Nagamadhu M, Assistant Professor, Department of Mechanical Engineering, published an article titled "A critical review on microstructure and hardness of aluminum alloy 6061 joints obtained by friction stir welding-past, present, and its prospects", available in online at Materials Today: Proceedings, November 2022.
- Dr. Basavaraj R B, Asst. Prof., Dept. of Physics reviewed the paper entitled "Auto-combustion synthesis of Sm3+-doped NaYF4 phosphors: Concentration quenching, Optical transition and luminescent properties" Materials Chemistry and Physics (Indexed in SCOPUS).

International Conference

 Dwarakanath GV "IoT Security – A Secure Data Transfer among IoT Nodes" In International Conference on Advancements in Smart Computing and Information Security, Marwadi University Rajkot, Gujarat, November 25, 2022.

Sports

- Mr. Athish Jaikumar and Mr. Vinay R of the 5th sem Civil Department was part of the Kabbadi team members who remain champions in VTU, Bengaluru North zone Division Kabbadi Men Tournament 2022-23.
- Mr. Athish Jaikumar and Mr. Vinay R of the 5th sem Civil Department were part of the Kabbadi team members who secured 4th position in VTU, State level Kabbadi Men Tournament 2022-23.



Placement Activities @ Dept

Mr. Vikram Poojary, HR, TAG, NSLHUB, Bengaluru conducted an orientation session for the students of MCA on 18.11.2022 on-campus recruitment process, industry expectations, HR Perspective, global recession etc. The session was held in Online Mode through Google Meet



Online Course

FDP /Workshops/STTP

| Department | No. of faculty attended the FDP/Workshop/STTF | |
|------------|--|--|
| ECE | 1 | |
| ETE | 1 | |
| MCA | 1 | |

| Department | No. of faculty completed | |
|-------------|--------------------------|--|
| | online course | |
| AI & ML | 1 | |
| ECE | 1 | |
| ISE | 1 | |
| MATHEMATICS | 1 | |
| MCA | 3 | |



Innovation Centre Activities

Bengaluru Tech Summit 2022

BMS

The 25th Bengaluru Tech Summit -2022 was on 16th and 17th of November which is India's flagship technology event and Asia's largest tech summit. There were 32 countries, 405 speakers, 9356 delegates, 585 exhibitors at this summit. Pavilions included Information Technology, Biotech, Startups & MSMEs, R&D, Consumer Electronics, Universities, Govt. of Karnataka departments etc., Exhibitors profiles included IT, AI/ML, IoT, Electronics, Fintech, Smarttech, Edutech, Biotech, Healthtech, Medtech, Mobility, Robo and drone and many more. This was a huge gathering of Industry Leaders, Top Research Think Tanks, Academics, Policymakers and biotech researchers.

Members of our college participated in the panel discussion and the presentations on various areas and upcoming innovations in the field of engineering. Industry experts, and entrepreneurs were on the panel. Startup, Voice consortium, STPI pavilion, K-tech ecosystems, E-mobility pavilion, Biotech pavilion, Corporate, and R&D pavilion were part of the exhibition. Students and faculty interacted with the startup founders and the multiple innovation and incubation centres.

Our students were also part of the National Rural IT Quiz by TCS. About 18 students along with Dr. Seema Singh, Dean of External Relations and Ms. Shama H M, Innovation Centre in charge were part of this conference.



Induction Programme from HEFC and Innovation Centre

HEFC and Innovation Centre in-charge Ms. Shama H M addressed the first-year students on 24th November 2022. She explained about the services the 2 centres have to offer during their stay as undergraduate students. She also explained the possibility of funding for the project work and being part of various oncampus competitions and also nationwide competitions. She also clarified students' doubts on facilities and infrastructure offered at the new centre BICEP and the collaboration of BICEP with CoCreate Ventures- helping students to leapfrog their careers through startups.



HEFC Coordinators also informed students about the ETS, NJ, USA offer to include our name on their list of institutions, with a generous discount on the GRE and TOEFL. The below details of the exclusive institutional offer. Every student who is registering for TOEFL and GRE tests using the institutional code will receive the below exclusive benefits:

- TOEFL Test fee \$190. Institutional code with exclusive \$50 discount for every registered student – final fee after discount is \$140
- TOEFL Official Guide and TOEFL Planner worth INR 2000 for every registered student
- TOEFL Additional Score Report 4 per registered student worth \$80 (Apart from the complimentary 4 score reports each test taker gets while registering for the test)
- GRE Test fee \$228. Exclusive discount \$5. Institution to share ETS ID
- GRE Additional Score Report 1 per registered student worth \$30 (Apart from the complimentary 4 score reports each test taker gets while registering for the test) Institution to share ETS ID

Carl Zeiss-India to BMSIT&M

M/s. Carl Zeiss Leadership Team, comprising of Mr. Bhaskara Ranganatha (Business Partner and Digital Transformation Officer) and Mr. Carl Johan Nakamura (Head of Data & Analytics and chief data officer) and other two colleagues from Germany visited BMSIT campus on 18th November 2022 and a discussion with our Team, comprising of Principal, Dean - ER, HOD - CS, IS and AIML, TPO.

After introducing both the teams' HoDs CSE, ISE, and AIML presented the curriculum and deliberated to strengthen the curriculum. Deliberation continued to explore possible collaborations on the following:

- Joint research and development, a consultancy.
- Building a team in India (Data Scientists, Data Engineers, ML Ops Engineers), Aligning student competency to meet the requirement.

The team also emphasized including SAP in the curriculum and making students industry ready. Carl Zeiss is our esteemed industry partner since from 5 years to recruit our students, the team

appreciated the quality of students the institute is producing.

The below-mentioned students are placed in Carl Zeiss this year (2023 batch) with a package of of 11 LPA.

| SI. No. | BRANCH | USN | STUDENT NAME |
|------------|--------|------------|-------------------|
| 1 | AI&ML | 1BY19AI049 | SATYAM SINGH |
| 2 | CSE | 1BY19CS097 | P VAMSHI |
| 3 | ISE | 1BY19IS004 | ABHAY M PAMADI |
| 4 | ISE | 1BY19IS018 | AKSHAT SRIVASTAVA |
| 5 | ISE | 1BY19IS080 | KENNETH DIAS |



NCC Activities

 NCC BMSIT&M Conducted orientation program for first-year students, Under the guidance of Lt.Rani M.S, BSUO.Akin Anto along with CSUO.Rahul kumar represented and introduced the National Cadet Corps of BMSIT&M, Affiliated to 39 Kar Bn NCC, which covered topics like advantages of joining NCC, Activities Conducted, various camps, Achievements etc.



 Constitution Day also known as 'Samvidhan Divas', is celebrated in our country on 26th November every year to commemorate the adoption of the Constitution of India. Cadets of BMSIT&M took up the pledge and were briefed about the importance of the day by Lt.Rani M S and PI staff Subedar Gurucharan.

 National Cadet Corps Unit of BMS Institute of Technology and Management salutes the valour of those brave men who fought and gave the supreme sacrifice to protect the country and its countrymen from Terror Attacks of Mumbai - 26/11. Cadets of BMSIT&M took part in the mourning for the sacrifices made by the war heroes and victims,





followed by organizing a "CANDLE LIGHT MARCH" along with CRPF personals in the memory of Major Sandeep Unnikrishnan and to all the soldiers who have sacrificed their lives for our nation, In collaboration with Rotaract club Yelahanka & Civil defence Institutional unit of BMSIT&M.



INDUCTION PROGRAM BY MAJ GEN VPS BHAKUNI VSM (RETD)

 An Induction Program was conducted by NCC team by inviting Maj Gen Bhakuni, VSM, CEO-SSB SURE SHOT ACADEMY, EAGLES UNBOUND. War Veteran & Highly Decorated Officer. It was an honour and proud privilege to have "MAJ GEN BHAKUNI" at BMSIT&M Campus, who Motivated the cadets of BMSIT&M along with Students to Take up career in armed forces. This was a successful event with maximum participants.



Sports Events

 Kabaddi (M) Team has participated in the VTU Bengalore North Division Inter-Collegiate
Tournament-2022-23 was held on 4th and 5th Nov.

2022 at SJCIT Chikkaballapur. Our college team has secured 1stplace and qualified for the VTU State Level Tournament.

- The VTU state-level tournament cum VTU team selection trials was held at CIT Gubbi, Tumkur on 9th & 10th of November 2022. Our college Kabaddi (M) team has secured 4th place.
- Basketball (M) Team has participated in the VTU Bengaluru North Division Inter-Collegiate Tournament-2022-23 was held at NMIT Bengaluru on 30th November and 1st December 2022. Our college team has secured 2nd place and qualified for the VTU State-Level Tournament.
- The VTU State level Tournament cum VTU team selection trials were held at NMIT Bengaluru on 2nd and 3rd December 2022. The team performance was good but lost in 1st round against MSRIT they are the

winners of the tournament

 Chess (M&W) Teams have participated in the VTU Bengaluru Division Inter-Collegiate Tournament-

Level Tournament.

2022-23 was held at Vemana IT,

Bengaluru on 1st and 2nd December

2022. Both the teams of our college

have qualified for the VTU State

tournament cum VTU team

selection trials was held at NMAMIT

Nitte, Udupi on 5th and 6th December 2022. Our college Chess

The VTU state level





Abhinav Bhat of 3rd sem. ISE stud 4th in the VTU team selection trials and got selected for the VTU Chess team consecutively for the second year.



Placement Information

2023 BATCH PLACEMENTS: The placement season for the 2023 Batch commenced on 01.09.2022. As on 30.11.2022, totally 510 UG Students are placed with a total 735 placement offers and 26 PG students (Total Offers 768) 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 | ACCENTURE | 36 | 4,50,000 | Placement & Internship |
| 2 | ACCORIAN | 6 | 8,80,000 | Placement & Internship |
| 3 | AIRASIA | 1 | 16,00,000 | Placement & Internship |
| 4 | ALLSTATE | 6 | 5,50,000 | Placement & Internship |
| 5 | ALSTOM | 33 | 6,80,000 | Placement & Internship |
| 6 | AMAGI MEDIA LABS | 1 | 33,00,000 | Placement & Internship |
| 7 | AMAZON (AWS) | 1 | 46,40,000 | Placement & Internship |
| 7A | AMAZON (AWS) | 7 | 21,83,400 | Placement & Internship |
| 8 | ANZ-AUS DATA | 17 | 12,50,000 | Placement & Internship |
| 9 | ANZ-EDIA | 6 | 13,00,000 | Placement & Internship |
| 10 | ANZ-SECURITY | 13 | 13,00,000 | Placement & Internship |
| 11 | CARL ZEISS | 5 | 11,00,000 | Placement & Internship |
| 12 | CELSTREAM TECHNOLOGIES | 8 | 6,00,000 | Placement & Internship |
| 13 | CERNER | 3 | 7,50,000 | Placement & Internship |
| 14 | CLOUDERA | 2 | 26,00,000 | Placement & Internship |
| 15 | COGNIZANT GEN | 73 | 5,40,000 | Placement & Internship |
| 16 | COGNIZANT GEN NEXT | 1 | 6,75,000 | Placement & Internship |
| 17 | COGNIZANT GENC ELEVATE | 17 | 4,00,000 | Placement & Internship |
| 18 | COGNIZANT GENC PRO | 10 | 5,40,000 | Placement & Internship |
| 19 | CSG INDIA | 2 | 7,50,000 | Placement & Internship |
| 20 | EPICOR | 7 | 9,25,000 | Placement & Internship |
| 21 | EPSILON | 21 | 6,00,000 | Placement & Internship |
| 22 | EXTERN LABS | 1 | 4,00,000 | Placement & Internship |
| 23 | FIDELITY | 4 | 9,00,000 | Placement & Internship |
| 24 | GALAXE SOLUTIONS | 8 | 4,50,000 | Placement & Internship |
| 25 | GAMES 24x7 | 4 | 14,56,000 | Placement & Internship |
| 26 | GOLDMANS SACHS | 1 | 24,00,000 | Placement & Internship |
| 27 | HAPPIEST MINDS | 10 | 5,40,000 | Placement & Internship |
| 28 | HUMAN FRACTAL | 5 | 4,50,000 | Placement & Internship |
| 29 | HURON | 16 | 6,10,000 | Placement & Internship |
| 30 | IBM | 3 | 11,50,000 | Placement & Internship |
| 30A | IBM | 6 | 7,75,000 | Placement & Internship |
| 31 | INFORMATICA | 4 | 8,48,784 | Placement & Internship |
| 32 | INFOSYS | 2 | 3,63,000 | Placement & Internship |
| 33 | INTIME TECH | 4 | 5,50,000 | Placement & Internship |
| 34 | KANINI | 1 | 4,50,000 | Placement & Internship |
| 35 | LTTS | 29 | 4,00,000 | Placement & Internship |
| 36 | MASTEC QUADGEN WIRELESS PVT LTD | 15 | 3,50,000 | Placement & Internship |
| 37 | MICROCHIP | 1 | 14,00,000 | Placement & Internship |
| 38 | MINDTREE | 120 | 4,00,000 | Placement & Internship |
| 38A | MINDTREE | 1 | 6,50,000 | Placement & Internship |
| 39 | MOBILEUM | 11 | 24,00,000 | Placement & Internship |
| 40 | NAMASTE CREDIT | 14 | 10,00,000 | Placement & Internship |
| 41 | NEWFOLD DIGITAL | 6 | 15,00,000 | Placement & Internship |
| 42 | ΝΟΚΙΑ | 12 | 8,20,000 | Placement & Internship |
| 43 | ORACLE | 19 | 8,88,580 | Placement & Internship |
| 44 | PHONEPE | 6 | 26,00,000 | Internship |
| 45 | POLARIS | 6 | 10,14,000 | Placement & Internship |
| 45A | POLARIS | 7 | 8,14,000 | Placement & Internship |



| SL. NO. | COMPANY NAME | TOTAL NO. OF JOB OFFERS | CTC-LPA (Rs.) | Placement/Internship |
|---------|----------------------|-------------------------|---------------|------------------------|
| 46 | PRODAPT | 7 | 5,50,000 | Placement & Internship |
| 46A | PRODAPT | 9 | 4,00,000 | Placement & Internship |
| 47 | SAMSUNG | 3 | 8,50,000 | Placement & Internship |
| 48 | SAP LABS | 5 | 30,24,400 | Placement & Internship |
| 49 | SIEMENS HEALTHINEERS | 9 | 12,50,000 | Placement & Internship |
| 50 | SIGNDESK | 7 | 7,00,000 | Placement & Internship |
| 50A | SIGNDESK | 8 | 4,00,000 | Placement & Internship |
| 51 | SIRIUS | 5 | 7,00,000 | Placement & Internship |
| 52 | SMARTSOC SOLUTIONS | 2 | 3,60,000 | Placement & Internship |
| 53 | SOCIETE GENERALE | 39 | 6,62,474 | Placement & Internship |
| 54 | SQUADSTACK | 1 | 22,00,000 | Placement & Internship |
| 55 | SUBEX | 1 | 8,50,000 | Placement & Internship |
| 56 | TALLY SOLUTIONS | 5 | 11,30,000 | Placement & Internship |
| 57 | TATA DIGITA L | 1 | 10,00,000 | Placement & Internship |
| 58 | TATA ELXSI | 21 | 4,00,000 | Placement & Internship |
| 59 | TECHNOLOGICS | 1 | 4,00,000 | Placement & Internship |
| 60 | TESTVAGRENT | 3 | 5,50,000 | Placement & Internship |
| 61 | THE MATH COMPANY | 19 | 5,50,000 | Placement & Internship |
| 62 | TORRY HARRIS | 25 | 4,00,000 | Placement & Internship |
| 63 | VALTECH | 2 | 6,00,000 | Placement & Internship |
| 64 | YARA | 3 | 8,50,000 | Placement & Internship |

JNANAVARDHANA

`Teachers to be taught and trained'—is a relatively growing concept found in Societies all over the world, in the nineteenth and twentieth century. Also, Quality education is considered as the backbone of the nation for 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. During the month of November-2022, Dr. Hanumanthraju gave a talk on "Histogram Equalization Based Image Enhancement Techniques".

Proctoring System and Counselling report

Under each proctor (assigned faculty) a maximum of 25 students are allocated. Proctoring of each Dept. is monitored by a team of deputy chief proctors and a chief proctor at the institutional level.

Mrs. Chetana Srinivas, student counsellor visits BMSIT campus on Tuesday and Friday afternoon from 1:30 to 4:30 PM. Provides counselling for 'Academic',' Personal' and 'Behavioral issues'.

Students having academic deficits were guided by 'Effective Study skills' and 'Time table Management'. Four students sought above guidance. Two students sought guidance for Emotional issues, Positive psychology and client centered therapy was utilized. Two students belonging to Mechanical, Telecom department decided to quit course for personal reasons, their decision respected. One staff was counselled for her son's academic issues. Two topics 'Positive Mental Health' and 'Life lessons pertaining to Academics was presented as a part of 1st year Induction program. To conclude, eight students, one staff were counselling during the month of November-2022.

November 2022

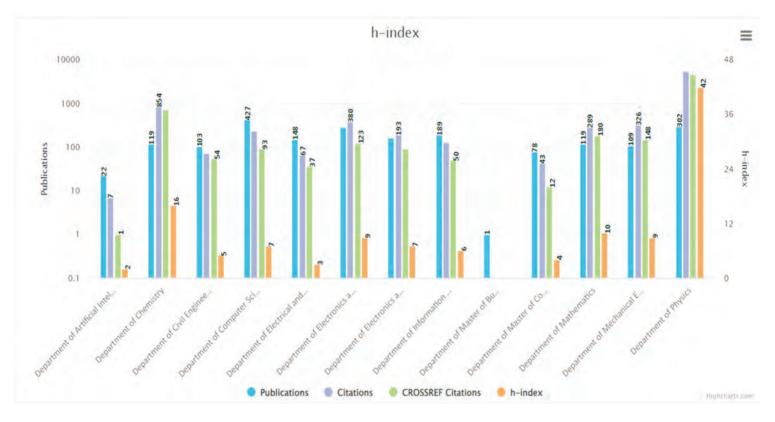
Media publication





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 November-2022.





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

