



BMS **INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

Avalahalli, Yelahanka, Bengaluru - 560064.

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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

**Dharmaprakasha Rajakarya Prasakta****LATE SRI. B. M. SREENIVASIAH**

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Faculty Achievements

Patents

- Prof. Swetha M S, Assistant professor, Dept of ISE, Mr. Rakshith D, Mr. Praveen N M, Mr. K. Bhuvan Sai, Mr. Mayur G N, (Students) Published Patent with Title "Indian Crop and Fertilizer Recommendation System using AI and Machine Learning Techniques", Indian patent office with Application Number- 202141032290 on 18.07.2021.
- Dr. Keerthi Kumar N, Assistant Professor, Department of Mechanical Engineering published journal in Indian patent, titled "Intelligent Mechanical Robotic Weed Controller for Sugar Beet Production". Application number: 202141026549, Date of filing: 15.06.2021, Date of Publication: 02.07.202.

Recognition

- Dr. Karabi Sikdar, Professor & HOD, Department of Mathematics has been selected as a member of the Editorial Board of the GRD Journal since 21.07.2021.

Session Chair

- Dr. HemaMalini B H, Associate Professor, Dept of CSE chaired a session in National E- Conference on "New Advances in Computing and communication Technology (NACCT -2021)" Conducted on 12.07.2021 and 13.07.2021 through Online Platform by the Department of Computer Science and Engineering, Cambridge Institute of Technology.

Reviewer for Journal / Conference

- Dr. Usha B A, Associate Professor, Dept of CSE has reviewed three papers for the Springer Journal on Multimedia tools and applications which is Scopus and ACM Library Indexed during July 2021.
- Dr. HemaMalini B H, Associate Professor, Dept of CSE has reviewed a paper for Journal of Institute of Engineers, Series B Journal during July 2021.
- Dr. G S Jayadeva, Professor & Head, ECE department was a reviewer for Fourth National Conference (Online) on "Emerging Trends in Engineering, Science & Technology" Held on 05.07.2021, organized by the department of Electronics & Communication Engineering, RNS Institute of Technology, in collaboration with IETE.
- Dr. Rudresh Shirwaikar, Assistant Professor, Dept. of ISE was a reviewer for Computer Methods and Programs in Biomedicine, Elsevier Journal.
- Dr. Karabi Sikdar, Professor & HOD, Department of Mathematics reviewed a research article for the journal "Global Research and Development Journals (GRD Journals)", 09.07.2021.
- Dr. Aparna K, Associate Professor, Department of MCA was a reviewer for the IEEE Region 10 Humanitarian Technology Conference 2021 hosted by Microsoft, in July 2021.
- Prof. Kiran M D, Assistant Professor, Department of Mechanical Engineering has reviewed three technical papers for Elsevier Materials Today Proceedings.
- Dr. Basavaraj R B reviewed a paper titled "Rapid adsorption of phosphorus at Low concentration from water using a novel green organometallic material EGCG-Fe, Journal of Environmental Chemical Engineering (Elsevier).
- Dr. Basavaraj R B reviewed a paper titled "Radiative properties of 'Eu' in Li-Al-Si-O ceramics: effect of 'Si' to 'Li' ratio, Ceramics International (Elsevier).
- Dr. C. kavitha reviewed a paper of Sensors and Actuators-A: Physical (Elsevier)

Faculty as Resource Person

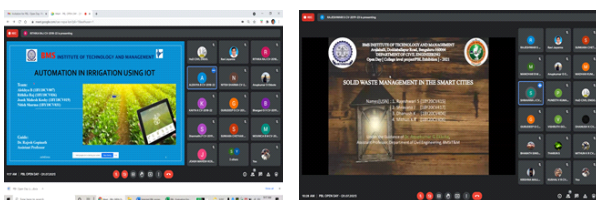
- Dr. Rajakumar H N, Professor, Department of Civil Engineering extended their support as Resource person, delivered expert talk on "Sustainable Solid Waste Management Options for India" on 19.07.2021 for PES College Mandya.
- Dr. Arun kumar B.R. Professor, CSE, chairperson, BOS, VTU-MCA programme attended as a member of the NEP expert Committee meeting chaired by Honourable Vice-Chancellor, Dr. Karisiddappa on 20.07.2021 and 27.07.2021.
- Dr. HemaMalini B H, Associate Professor, Dept of CSE, rendered her service as a Jury member for the project exhibition/presentation of final year students, conducted by Department of ISE, Sri Venkateshwara College of Engineering, Bangalore on 22.07.2021
- Dr. Arun kumar B.R. Professor, CSE, convened the Ph.D. comprehensive viva examination on 17.07.2021 of the research scholar, Ms. Komala R, VTU-RC, BMSIT&M.
- Dr. Usha B A, Associate Professor, Dept of CSE has delivered a talk on "Deep Learning for Smart Agriculture" in Five Days Online Faculty Development Program on "Industry 4.0: Applications of Deep Learning and Artificial Intelligence in Computer Vision" organized by Dept of Information Technology, St. Joseph's Institute of Technology, OMR, Chennai - 119 during 20.07.2021 and 24.07.2021
- Dr. Dhanalakshmi B K, Assistant Professor, Dept of CSE has delivered a talk on "Power of Linux OS in Recent Trends" in Webinar, RNS Institute of Technology, Bangalore on 23.07.2021
- Dr. Geeta Amol Patil, Assoc. Professor, ISE has extended her support for M. Tech Dissertation Review & Evaluation on "Towards Improving User Experience by Adopting VR as Visualization Tool on Virtual Forest Application", PES University on 09.07.2021.
- Dr. Narasimha Murthy M S, Assistant Professor and Dr. Geeta Amol Patil, Assoc. Professor Department of ISE, has extended their support as External Jury member for INNOCENTRIC – 2021 Virtual Inter-Collegiate Project Competition held on 23.07.2021 at Global Academy of Technology, Bengaluru.
- Dr. Sheela Kathavate, Associate Professor, Dept. of ISE has extended her support as a resource person for the webinar on ROCESS SCHEDULING CHALLENGES IN MULTI-CORE SYSTEMS on 16.07.2021 at Sir M. Visvesvaraya Institute of Technology, Bangalore.
- Dr. PSudarsanam, Assistant Professor, Department of MCA was session chair or the INNOCENTRIC –2021 irtual Inter-Collegiate Project Competition held at Global Academy of Technology, Bengaluru on 23.07.2021.
- Prof. M. Sridevi, Assistant Professor, Department of MCA has extended her support as resource person for a Webinar on onetization of Data using Data Science Techniques treamed by L&T –CTEA, Madh, Mumbai on 28.07.2021.
- Dr. Aparna K Associate Professor, Department of MCA attended two Doctoral Committee meetings as a member on 10.07.2021 for research scholars pursuing Ph.D. under VTU Research Center, Department of MCA, Ramaiah Institute of Technology, Bengaluru.
- Prof. Praveen Kumar T N, Associate Professor, Dept. of Mech. Engg. and Chief Co-ordinator, Intellectual Property (IP) Cell was invited as a resource person for thene day seminar on ntroduction to Intellectual property rights: Patents rganised byrganised by Dept. of Mechanical Engineering and R& Centre, Brindavan College of Engineering, Bengaluru on 7h July 2021.

Students Achievements

- Three teams from Aeroclub BMSIT&M participated in Trivia Jet 2.0, a National level Aviation Quiz competition conducted by IIT-Bombay on 14th July 2021. The students are Adityan A (1BY19EC008) and Akin Anto (1BY19EC008) secured second position in the preliminary round, Nidhi (1BY20AI032) and Mridul Sadashiv (1BY20IS090) secured the third position in the preliminary round, Jayant (1BY18ME022) and Siddharth (1BY18ME056) secured the fourth position, which saw over 100 teams participating in it. All three teams cleared the preliminary round with flying colours and moved into the final round on Zoom platform where they bagged the I, III and V position in All India level.

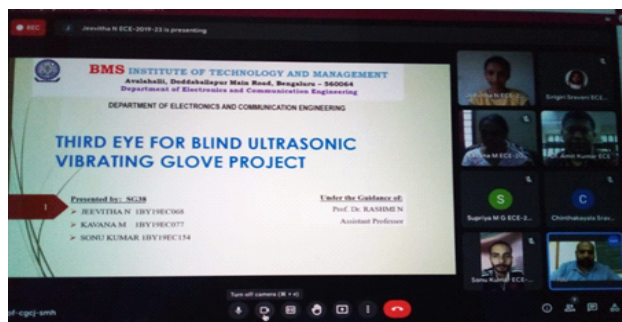
Project Based Learning

1. Department of Civil Engineering organized a PBL Project Review on 30th and 31st July 2021 to exhibit the project work carried out by the students of the IV and VI semester students. The projects exhibited the student's ability to apply their learning to solve the real world problems. This semester around 33 PBL batches chose the Civil Engineering Problems Based Projects and Innovative Solutions for the same through technical and smart methods. These projects were evaluated by internal committee on various rubrics
2. Dept of CSE, have Organized a PBL Open day 2021 - even



semester on 30th and 31st July 2021. Totally 132 projects have been evaluated by the internal panel members on 30th July 2021, and 19 projects were shortlisted for final evaluation by the external judges preferably from Industry on 31st July 2021. The external judges are Mr. Mohammed Mukthar Ahmed, Senior Consultant, Aprameyah Technologies, Bangalore, Mr. Abhilash N, Data Analyst, JP Morgans Chase, Bengaluru. Result of PBL projects as follows.

3. Department of ECE, organized a BMSIT Open day on



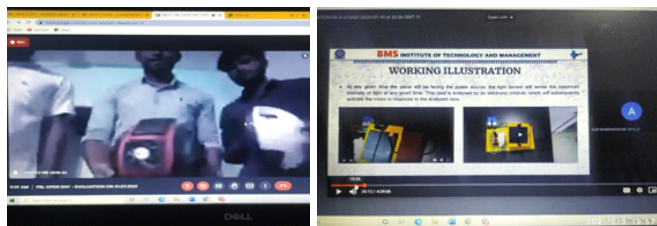
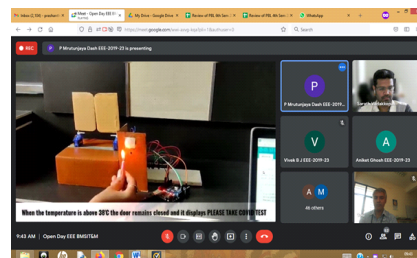
30.07.2021 and 31.07.2021 for IV and VI semester students to exhibit their projects. This virtual project exhibition is a reflection of student's ability to apply their learning to solve the real world problems.

4. A Review of the project carried out by the 4th and 6th Sem EEE students under PBL were held on 30.07.2021. The 4th Sem had 18 batches presenting their work and 6th Sem had 17 batches. 12 batches were shortlisted for

the Second and Final Round of Open Day PBL Exhibition Cum Competition. These projects were evaluated further on 31.07.2021 Mr.

Sarath Vadakkepat from VMware, San Francisco, California was the invited judge for the event.

5. Department of ISE, organized a PBL Project Review on 30.07.2021 and 31.07.2021. To exhibit the project work carried out by the students of the IV and VI semester. The projects exhibited the student's ability to apply their learning to solve real-world problems. This semester around 100 PBL batches chose the simulation and Software projects (because of lockdown) in which students have taken up a few challenges and realized the same with the help of peer groups and faculty mentors. Intensive review of projects is carried out by the faculty members. These projects were evaluated by an internal committee on various rubrics. Selected best 5 projects presented their work to a jury from industry. The External evaluation was conducted with the Industry persons for 6th sem Mr. Ankit Agarwal, Android developer, APP Nest. 2. and for 4th sem Mr. Anupchandra, Site Reliability Engineer for the Data Flow, LinkedIn.
6. The Department of Mechanical Engineering organized a PBL Project review on 30th and 31st July 2021 to exhibit the project work carried out by the students of the IV and VI semester students. All these projects were evaluated by internal committee on 30th July 2021 based on the various rubrics in preliminary round and after critical evaluation 7 best projects from VI semester and 5 best projects from 4th semester batches were selected for final round. For Information Science and Engineering Department from 1st to 5th, June 2021.



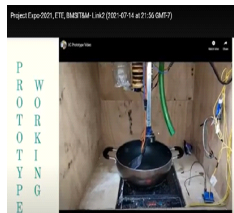


Project Expo-2021

The dept of ETE organized, Project Virtual Expo-2021, on 15.07.2021. The event went on to be an extremely successful event, with over 80 groups consisting of around 280 students participating from various corners of Karnataka. The Virtual Expo 2021 was created with the intent of allowing students to explore and present their creativity and skill set. The current pandemic is a huge hindrance in the creative flow of students, but this event proved to us that innovation never stops. Hence we took this event online to enable students from any city to be able to participate and showcase their hard work.

The day began with an inauguration and an eloquent speech given by Principal, Dr. Mohan Babu G N emphasizing on need for creating such platforms for young minds to explore on new design thinking aspects of engineering and try finding out solution for the burning problems of society.

Dr. Raju Hajare Head of ETE department welcomed the gathering and mentioned that the aim of Project Expo-2021' was to create a platform for all engineering students to showcase their talent and exhibit their innovative ideas and novel methods of finding solutions to the problems that all are facing today or society at large. A brief report about the event was presented by Prof. Siddiq Iqbal, Event Coordinator.

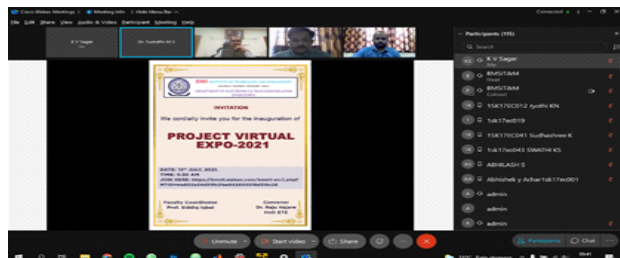


The Expo was filled with enthusiasm and excitement from the students and judges alike. Total prize money for the event was Rs.19,000/-.

1st prize-Rs.10,000/-, was awarded to the project "iChef-The Smart Kitchen" by Shivam Vaish & team from BMS College of Engineering, Bengaluru.

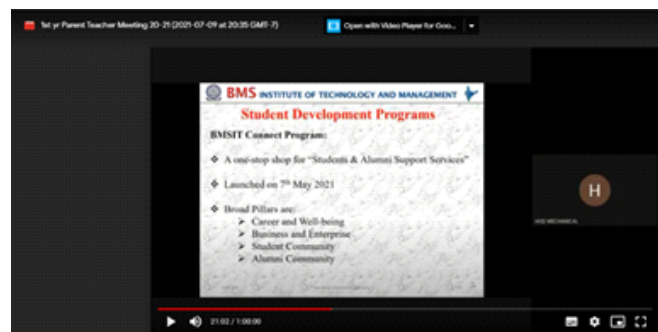
2nd prize-Rs.5,000/- was awarded to the project "Gramin Genie- A smart kiosk" by Rakshith N V & team from Dayanand College of Engineering, Bengaluru.

Two more prizes for innovative projects-Rs.2,000/- each was also awarded.



Parent Teacher Meeting (PTM)

PTM was held on 10.07.2021 to the parents of 2nd semester students. Dr. K. M. Sathish Kumar, HoD of Mechanical Engineering Department briefed about the department, online classes conducted, various club activities conducted, department achievements etc. Parents were glad and appreciated the steps taken by the college for the wellbeing of the students.



Farewell-2021

- A farewell was organized by all core branch departments for the outgoing students of their departments on 30.7.2021, following the SOP norms.
- CSE Dept. has been arranged the Farewell - 2021 for eighth Semester students of the CSE in the department after their exam on 30.07.2021 at 5.15 p.m as per the institution direction. The venue for Farewell function of CSE students arranged in the CSE Department, 4th floor, BSN BLOCK in following class rooms 8th A students assembled in CSE seminar hall, 8th B students assembled in BSNCR 402 and 8th C students assembled in BSN-CR.404 in-line with the COVID-19 SOP's and distributed the Mementos with Tetra Pack to all students.

Dr. Bhuvaneshwari CM, HOD, Dr. Anil G N, Dean(A), Other faculty members of the dept also used this opportunity to address the students and had good interaction with the outgoing students.

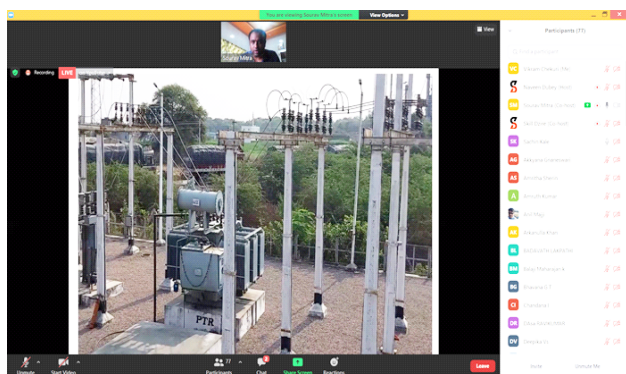


Consultancy Work

Dr. Raju Hajare and Prof. Mallikarjuna Gowda C.P, Dept. of ETE, received consultancy amount of Rs. 10,000/- (Rupees Ten Thousand Only) on 19th July 2021, for the work carried out on variable power supply design from the subsidiary of REJYO CONNECT, Bengaluru.

Industrial Visit

Dept EEE arranged a Virtual industrial visit jointly with M/S Skill Dzire for 4th and 6th semester students to a 33/11 KV substation on 15.07.2021. About 80 students participated in this virtual Industrial visit. The virtual walk through was guided by Sourav Mitra, Industrial expert & Educator, SkillDzire were in he described about the substation main components, supportive components, auxiliary components and earthing. Arranged by Dr. Madhu Palati and Mr. Vikram Chekuri.



Faculty Internship

- Prof. Shivakumara .T, Assistant Professor, Department of MCA has undergone industry internship at Netenza Pvt. Ltd, Bengaluru (online mode), from 02.07.2021 to 13.07.2021.
- Prof. M. Sridevi, Assistant Professor, Department of MCA has undergone industry internship at Trie Coders Pvt. Ltd, Bengaluru (online mode), from 02.07.2021 to 15.07.2021.

Expert Talk

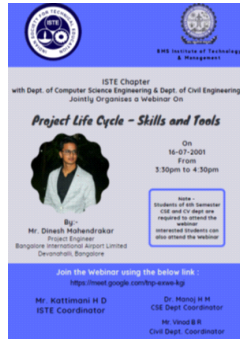
- An Industry Expert Talk under ISTE Banner on the topic "Project life cycle- skills and tools" was organized on 17.07.2021 for the 6th sem Students 2018 Batch. The Expert Talk was delivered by : Er. Dinesh Mahendrakar, Project Engineer Bangalore International Airport Limited, Devanahalli, Bangalore. The activity was coordinated by Prof. Vinod B.R.
- An Industry Expert Talk on "Land Surveying and Challenges" was organised on 20.07.2021 for 4th semester students 2019 batch. . The Expert Talk was delivered by Mr. Ravi J, director Shikhar Builders and Developers Bangalore. The activity was coordinated by Dr. Chandrashekarappa Agasanahalli.
- Dept. of CSE, as a part of ISTE students chapter have organized a webinar on "Project Life Cycle: Skills and Tools " by an industry expert Mr. Dinesh Mahendrakar, Project Engineer Bangalore International Airport Limited, Devanahalli, Bengaluru on 16.07.2021 from 3:30 pm to 4:30 PM organised by Dr. Manoj HM, Asst. Professor.
- Dept of ECE, organized an expert talk on "Job opportunities in VLSI / Semiconductor Domain", for 6th semester students on 15.07.2021 from 11 am to 1 pm in association with Takshila Institute of VLSI Technologies, Bangalore.

Resource person Veeranji Reddy, physical design engineer, Intel Technology India Pvt Ltd, Bangalore gave an insight to the Semiconductor industry, VLSI front end and backend design, Industry expectations from a fresher etc. Number of students attended: 52.

- The Dept of ISE organized an expert talk on the topic "Edge Analytics for Aerial Unmanned Vehicles", for 6th semester students on 24.07.2021. The speaker Dr. Sreejith Vidyadharan, Post Doctoral Research Fellow, University of North Dakota, USA.
- Department of EEE organized an expert talk on the topic "Design and Automation", for 4th, 6th and 8th semester students on 09.07.2021. Chaitanya



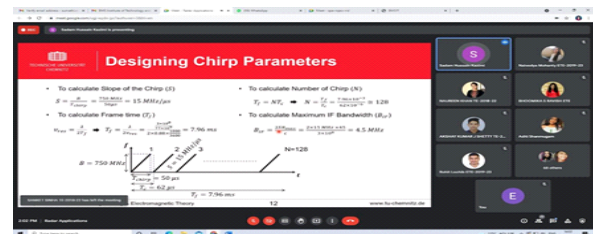
Peddawad of IBM, EDA systems delivered a talk on the subject of Design and Automation and other details related to design of chips and VLSI. About 40 students attended the talk online. Arranged by Dr. Sanjay Lakshminarayanan and Shilpa G.



- An invited talk was arranged for the sixth Sem EEE students on the topic of "Electrical Power System", covering the topics related to generation, transmission and Distribution of the power on 26.07.2021. It was delivered by Mr. Basavaraj K from KPTCL. More than 50 students attended the event online and interacted with the speaker.
- Dept of EEE organized an expert talk on the topic "Career building through Higher studies and research", for 6th semester students on 14.07.2021. Mr. Raghavendra Mudgal, Computer Vision Engineer and Doctoral Student, Norwegian

University Hamberg delivered a talk on the subject of "Career building through Higher studies and research".

- Dept of ETE organized an Alumni talk on the topic "Radars in Automotives" for 4th and 6th sem students on 29.7.2021. The speaker gave an insight on how Radars are used in present day automotive industry.
- Department of Mechanical Engineering organized an expert talk on the topic "Intellectual Property: Industrial Design" for IV and VI Semester students on 08.07.2021. The resource person was Mr. Nagarjun M G, Project Associate, KSCST, Bengaluru. The programme was organised by Prof. T. N. Praveen Kumar.



Research Proposals submitted

- The Research Work titled "Design of a novel-smart Prototype for the removal of Suspended Particulate Matter, for improving Indoor Air Quality" has been sponsored by "SCINDIA CONSTRUCTIONS" with an External Project Funding of INR 5000.00 (Indian Rupees Five Thousand only), carried out by Dr DEEPAK MS (PI) and Dr RAJESH GOPINATH (CoPI), at Department of Civil Engineering, BMS Institute of Technology and Management, Bengaluru- 560064.
- The Final-year Research Work titled "Soil moisture retention enhancement using Fenugreek" has been sponsored by "KARNATAKA RAITHA SANGHA" with an External Project Funding of INR 5000.00 (Indian Rupees Five Thousand only), carried out by Dr RAJESH GOPINATH (PI), Mr Bhuvan, Mr Likhith, Mr Akash and Mr Ranuvadatta Kailash (Students-CoPI), at Department of Civil Engineering, BMS Institute of Technology and Management, Bengaluru- 560064.



The development of full artificial intelligence could spell the end of the human race....It would take off on its own, and re-design itself at an ever-increasing rate. Humans, who are limited by slow biological evolution, couldn't compete, and would be superseded.

— Stephen Hawking told the BBC

Projects/Seminars/Classes Attended

Department Project presentations

Sl no.	Department	No. of Batches	Dates	No. of Students Participated	Description
1	CSE	68	12.07.2021 to 14.07.2021	243	AI&ML, Deep Learning Techniques, IOT, Networking, Sentiment Analysis, Cloud Computing, Image Processing, Data Mining
2	ECE	55	12.07.2021 & 13.07.2021	206	Applications using Robots, Biomedical signal processing, Machine learning applications , IoT, Embedded systems, air quality monitoring, Biometrics, precision griculture, smart agriculture, smart home
3	EEE	18	12.07.2021	68	Smart Grid, Autonomous Vehicle, Wireless Communication
4	ETE	31	30.7.2021 & 31.7.2021	109	Wireless sensor networks, embedded systems, biomedical/signals processing, communications
5	ISE	21	12.07.2021 & 13.07.2021	85	Machine Learning, IoT, Artificial Intelligence, Data Science, Security.
6	MCA	11	19.07.2021 to 26.07.2021	54	Application development Projects

Department Seminar presentations

Sl No.	Department	No. of Batches	Dates	No. of Students	Description
1	CSE	68	07.07.2021 to 10.07.2021	243	AI&ML, Deep Learning Techniques, IOT, Networking, Sentiment Analysis, Cloud Computing, Image Processing, Data Mining
2	ECE	55	12.07.2021 & 13.07.2021	206	Applications using Robots, Biomedical signal processing, Machine learning applications , IoT, embedded systems, Biometrics,precision agriculture,smart agriculture, smarthome.

Classes handled

Sl no.	Department	Semester	No. of Theory classes	No. of Practical classes
1	CIV	2,4,6,8	244	27
2	CSE	2,4,6,8	377	38
3	ECE	2,4,6,8	540	42
4	EEE	2,4,6,8	243	21
5	ETE	2,4,6,8	210	24
6	ISE	4,6,8	251	44
7	MATH	2, 4	337	-
8	MCA	2	60	3
9	MECH	2,4,6,8	248	32



Research Publication

International Journal

1. Dr. Satish Kumar T et al., "An efficient Ranking model for Multiuser Social Media applications using customized Page Rank Method", Turkish Online Journal of Qualitative Inquiry (TOJQI), 12, no. 3, July 2021: 2314-2326, Science Research Society publication. (Scopus)
2. Shilpa Hiremath, Dr. A Shobha Rani. "Noise identification and removal technique for precise lung cancer cell detection using active contour model" Gis science Journal 8, no.7 (2021): 860-873.
3. Mamatha K R, Akash, Chethan, Siddesh, Debanshu. "Placement management system", 26, no.7 (2021).
4. G S Dr.Jayadeva, S Shanmugasundaram, N Sharath, C Sanju, S M Sidhalinga. "Smart Agricultural Crop Prediction Using Machine Learning" International Journal of Recent Advances in Multidisciplinary Topics 2, no.7 (2021): 144-147.
5. Shivarudraiah B, Pankaj Kumar Singh, Prem Prakash Tiwary, Karthik Raman, M S Vishal. "Helping Aid for visually impaired" Journal of Chengdu University of Technology 26, no.7 (2021).
6. Shivarudraiah B, Adarsh Sanjay Srivastava, Aditya Pratap Singh, Anish Apratim, Divyanshu Saraswat. " Doctor Pipes: A Leakage and Crack Detection Robot" International Journal of Innovative Research in Computer and Communication Engineering 9, no.7 (2021):7995-7999.
7. Madhu Palati, Prashanth N A, "Simulation studies on Polymeric Insulators under various contamination conditions", Journal of Chengdu University of Technology, 26, no.7,(2021):1-8
8. Dr. Keerthi Kumar N, Assistant Professor, Department of Mechanical Engineering has published paper in Turkish Journal of Computer and Mathematics Education, Titled: Overview of Remotely Operated Vehicles, Volume-12, No-13, e-ISSN 1309-4653 on 24th July 2021.
9. Reddy, B. Chinnappa, H. C. Manjunatha, Y. S. Vidya, K. N. Sridhar, U. Mahaboob Pasha, L. Seenappa, C. Mahendrakumar, C., Sadashivamurthy, B., Dhananjaya, N., Sankarshan, B.M. and Krishnaveni, S., "Synthesis and characterization of multifunctional nickel ferrite nanoparticles for X-ray/gamma radiation shielding, display and antimicrobial applications." Journal of Physics and Chemistry of Solids (2021): 110260.

International Conference

- R. Bharathi, T. Satish Kumar, G. Mahesh, and R. Bhagya, "Development of Diameter Call Simulations Using IPSL Tool for IMS-LTE", Mobile Computing and Sustainable Informatics, vol 68, pp. 647-662, Lecture Notes on Data Engineering and Communications Technologies, Springer, ISBN: 978-981-16-1866-6 (eBook), <https://doi.org/10.1007/978-981-16-1866-6>, Indexed by SCOPUS. July 2021.
- Dr. Keerthi Kumar N, Assistant Professor, Department of Mechanical Engineering a has presented paper on "Performance and emission characteristics of 4-stroke diesel engine using simarouba and graphene nanoparticles" at 5th International Conference on Advanced Research in Mechanical, Materials and Manufacturing Engineering (ICAMMME-2021), Organized by School of Mechanical Engineering, Reva University, Bengaluru on 9th and 10th July 2021.

National conference

- Mamatha K R, Deepthi Pavanika R, Divya Y, Rekha U D, Anusha K, OT based air monitoring system IETE Sponsored Fourth National Conference on Emerging Trends in Engineering science and Technology (On-Line), NCETEST-21 conducted by RNSIT, Bengaluru on 5.07.2021.
- Megha Jain, N S Sindhura, Nannapaneni Kaavya, Shruthi S, Dr. Jayadeva G S teganography Technique to Secure Patient Confidential Data Using ECG Signal Image IETE Sponsored Fourth National Conference on Emerging Trends in Engineering science and Technology (On-Line), NCETEST-21 conducted by RNSIT, Bengaluru on 5.07.2021.

Book Chapter

- Hamsavahini, R., N. Rashmi, R. Sabina, K. B. Jagannatha, C. T. Saneesh, H. S. Laxmisagar, and T. Thyagaraj. 2021. tudy on Memristor and its Applications ew Approaches in Engineering Research Vol. 8 July, 16-25. <https://doi.org/10.9734/bpi/naer/v8/2629F>.
- Rashmi, N., R. Hamsavahini, and K. R. Mamatha. 2021. tudies on RF Energy Harvesting for Low Power Devices ew Approaches in Engineering Research Vol. 7 July, 132-40. <http://doi.org/10.9734/bpi/naer/v7/2736F>.

FDP /Workshops/STTP

Department	No. of faculty attended the FDP/Workshop/STTP
CHEMISTRY	2
CIVIL	3
CSE	3
EEE	5
ISE	3
MATHEMATICS	1
MCA	3
PHYSICS	6

Online Courses

Department	No. of faculty completed online course
CSE	2
ECE	4

Webinars Attended

Department	No. of faculty attended webinars
CSE	4
MATHEMATICS	1
MCA	1
PHYSICS	3

Counselling Report

Student 'M' of II semester CSE had 'mild emotional disturbances' due to family issues and also requested for 'Academic guidance' and 'Mindfulness technique' and client centered therapy was utilized to reduce distress. After 4 sessions she reported feeling emotionally balanced.

'Effective study skills' and 'Time management technique' were shared.

Student 'S' of VI semester Mechanical had interpersonal disturbances'. It was resolved by appropriate 'Communication management technique'.

Student 'N' of II semester AI received counselling to manage 'Procrastination'. The negative effects were discussed and 'Mel Gibson' principle was shared.

Student 'A' of II semester CSE had issue of 'harassment; from her classmate. Administrative strategy was utilized, by sharing issue with 'Dean Academics' and 'Principal Sir',

who will take decision regarding above.

Client 'S' of IV semester Mechanical had 'moderate emotional disturbances' due to 'toxic friendship issue' It was resolved by utilizing 'Mindfulness technique' journaling and 'Client centered' therapy . After 4 sessions he reported feeling 'emotionally balanced'

Non-teaching staff 'N' had toxic 'interpersonal issues' which was resolved by sharing Psychological 'First Aid' i.e. breathing technique and use of Positive Affirmations and Appropriate Communication Strategies. She reported feeling better.

Finally seminar conducted for High School and PUC students. Mind management and focusing, conducted by math department.

To conclude '5' students and '1' non-teaching were counselled. '1' webinar was conducted in the month of July 2021.



Address by Chairman

Honourable Chairman, Mr. M Madan Gopal, IAS (Retd.), Trustee, BMSET, Former Additional Chief Secretary, Government of Karnataka, Chairman, BOG, BMSIT&M and BMSSA addressed all staff members of BMS Institute of Technology and Management on 30.07.2021 at 11.30 am. He gave an inspirational talk and motivated the faculty members to achieve greater heights, both in professional and personal life.



Placement Details

The placement season for the 2021 Batch commenced on 4th August 2020. As on 31.07.2021, totally 404 UG Students and 21 PG Students are placed with a total 588 placement offers as detailed below

SI No.	COMPANY	TOTAL NO. OF JOB OFFERS	CTC-LPA (Rs.)	INTERNSHIP STIPEND (Per month)
1	ABM	1	360000	...
2	ADOBE	1	2200000	...
3	ALTEMETRIK	3	475000	12000
4	ALTRAN	12	380000	...
5	AMAZON	5	1100000	40000
6	AMAZON(Non IT)	1	450000	...
7	ANZ	5	860000	...
	ANZ	1	860000	...
	ANZ-2	20	1100000	...
	ANZ-2	4	850000	...
8	AVAALI SOLUTIONS	2	300000	10000
9	BOTTOMLINE TECHNOLOGIES	1	900000	...
10	CAPGEMINI	10	680000	...
	CAPGEMINI	94	380000	...
11	CLOUDERA	2	380000	45000
	CLOUDERA - INTERNSHIP	1	2650084	45000
12	COGNIZANT	73	401986	-
13	COMMSCOPE	1	800000	-
14	COREFLEX	2	300000	-
15	CRMIT	1	500000	...
16	CSGI	2	550000	...
17	DELL TECHNOLOGIES	2	687103	...
18	DELOITTE	6	250000	...
19	DOVER INDIA	4	650000	...
20	EdelWeiss	7	500000	...
21	ENDURANCE INTERNATIONAL	3	1500000	50000
22	EPICOR - INTERNSHIP	8	-	25000
23	EPSILON	10	500000	...
24	EVERTZ	4	336000	12000
25	EVOSYS	1	320000	15000
26	GAIN SIGHT	3	1300000	...
27	HCL / SANKALP SEMICONDUCTORS	10	350000	...
28	HEXAWARE TECHNOLOGIES	5	500000	...
29	HPE	1	405000	...
30	HUMAN FRACTAL	1	400000	...
31	INFINITY SOLUTIONS	1	350000	...
32	INFOGAIN	3	375000	20000
	INFOGAIN	7	375000	20000
33	INFORMATICA	1	679683	21000
	INFORMATICA - INTERNSHIP	1	-	25000
34	INFOSYS HACKWITHINFY-Contest	2	800000	...
35	INTELLIPAAT	2	554000	...
36	iOPEX(CoCubes)	3	300000	...
37	K12 TECHNO SERVICES	1	322500	...
38	KANSASSTEK LLC - OFFCAMPUS	1	799992	25000
39	KHOROS	4	1053000	...
40	KPMG	1	500000	...

Sl no.	COMPANY	TOTAL NO. OF JOB OFFERS	CTC-LPA (Rs.)	INTERNSHIP STIPEND (Per month)
41	LUMIN	1	500000	...
42	MICROFOCUS	1	300000	15000
43	MINDTREE(IMTS)	10	297000	...
44	MONEYVIEW	9	1321600	40000
45	MOOLYA SOFTWARE	10	300000	10000
46	MPHASIS	11	400000	...
47	NOKIA - Content Writing - INTERNSHIP	1	-	25000
	NOKIA - INTERNSHIP	6	-	25000
48	ONE ADVANCED	4	600000	...
49	ORACLE - OFSS	8	655781	...
	ORACLE(OMC)	6	581766	...
	ORACLE(OMC)	2	581766	...
50	PATH PARTNER	2	600000	...
51	PEOPLESTRONG	5	360000	18000
52	PHARMEASY	1	1100000	20000
53	PWC AC	16	700000	35000
	PWC AC - 2	6	600000	...
	PWC AC - 2	7	600000	...
	PWC-KOLKATA	9	4,84,615 5,11,615	...
54	RAKUTEN	2	800000	25000
55	ROBERT BOSCH	12	500000	...
56	SAP LABS	11	1410000	...
	SAP LABS - INTERNSHIP	2	-	35000
57	SIEMENS HEALTHINEERS	5	550000	25000
58	SIEMENS TECHNOLOGY	2	500000	...
59	SONICWALL - INTERNSHIP	5	-	15000
60	SPIRENT(MTECH CS) - INTERNSHIP	1	-	25000
61	TCS NINJA - Contest	4	336000	...
	TCS NQT NINJA	12	336000	...
62	TEMENOS	2	616127	25000
63	TEXAS INSTRUMENTS - INTERNSHIP	1	-	45000
64	THE MATH COMPANY-Contest and Campus	8	400000	...
65	TRIJIT TECHNOLOGIES	2	204000	...
66	UNSCHOOL LEARNING	4	300000	7500
67	WALMART GLOBAL TECH	1	2067400	...
68	WIPRO	65	350000	...

STUDENT INTERNSHIPS: As on 31st July'21, 754 students are pursuing their internships from 345 distinct companies and 323 students are being given stipends ranging between Rs. 5,000 p.m. to Rs. 50,000 p.m.

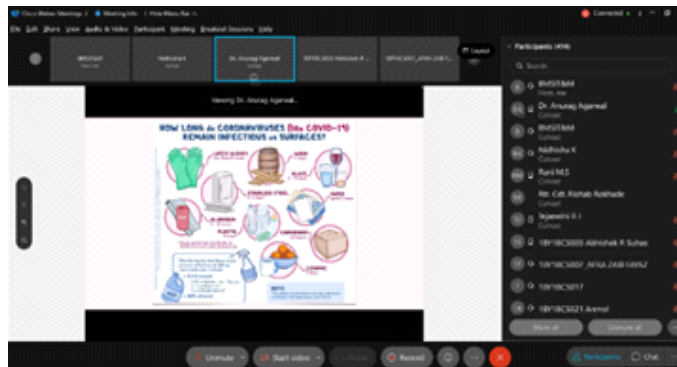
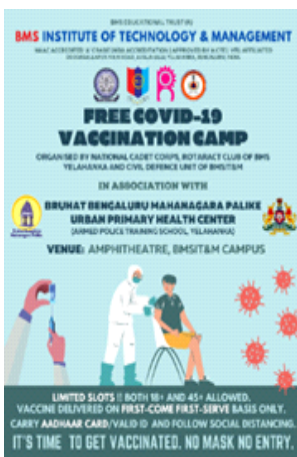
STUDENTS' TRAINING: Placement training on Aptitude and soft Skills imparted to all the pre-final year PG students during July 2021, to enhance their learning and prepare them better for their upcoming placement season from August 2021. Employability assessment tests was conducted for these students by First Naukri and Geek for Geeks to assess the readiness of the students and make them more industry ready.



NCC and NSS Activities

COVID-19 VACCINATION CAMP

Organised COVID-19 Vaccination Camp in Amphitheatre of the campus. Our cadets volunteered as the site-managers to maintain social distancing and guide the beneficiaries through the process of vaccination. Over 1000 people including students, faculty, staff, their families and localites were benefitted.



attendees for the life-saving tips that was shared.

SSLC EXAM STUDENT SCREENING

NCC Cadets of BMSIT&M were deployed to screen the students before entering the exam hall, at four different SSLC Examination Centre under the guidelines of VTU- Youth for Seva (Social Concern Initiative) on 19.07.2021 and 22.07.2021.



ONLINE AWARENESS QUIZZES ON COVID-19

NCC Cadets of BMSIT&M have been spreading awareness on the current pandemic in all possible ways to stop misinformation and false news. Launched a month-long awareness drive which gave the participants access to verified information and semi-weekly quizzes on various aspects of the pandemic. Conducted 8 quizzes with overwhelming response of about 1000 participants for each quiz.

INFORMATIVE WEBINARS WITH MEDICAL PROFESSIONALS

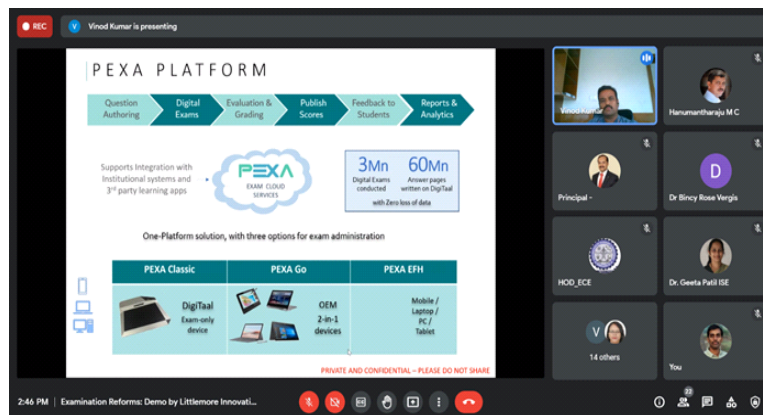
NCC BMSIT&M also organised three webinars with medical professional as resource person to enlighten us on various techniques and immediate response to handle uncertain situations during COVID-19 pandemic. Over 450 participants attended the webinar which received huge appreciation from



Activities of Innovation Centre

Report on Online Demo by Little more Innovation Labs

An online demo session was arranged by Examination Reforms committee on "Conduct of Paperless Digital Examination" on 22.07.2021 at 2:30pm. MC Vinod Kumar, AVP-Business Head, Littlemore Innovation Labs gave a presentation on Paperless Examination Advantage and various options for exam administration. He explained about various features offered through the platform of PEXA classic, PEXA Go and PEXA EFH for conduct of digital examination. Members actively interacted with the vender concerning changes in conduction, evaluation options, security measures and challenges in implementation of digital examination. Session was attended by Principal, Vice Principal, Deans, HoDs and Examination Reforms Committee members



Jnanavardhana

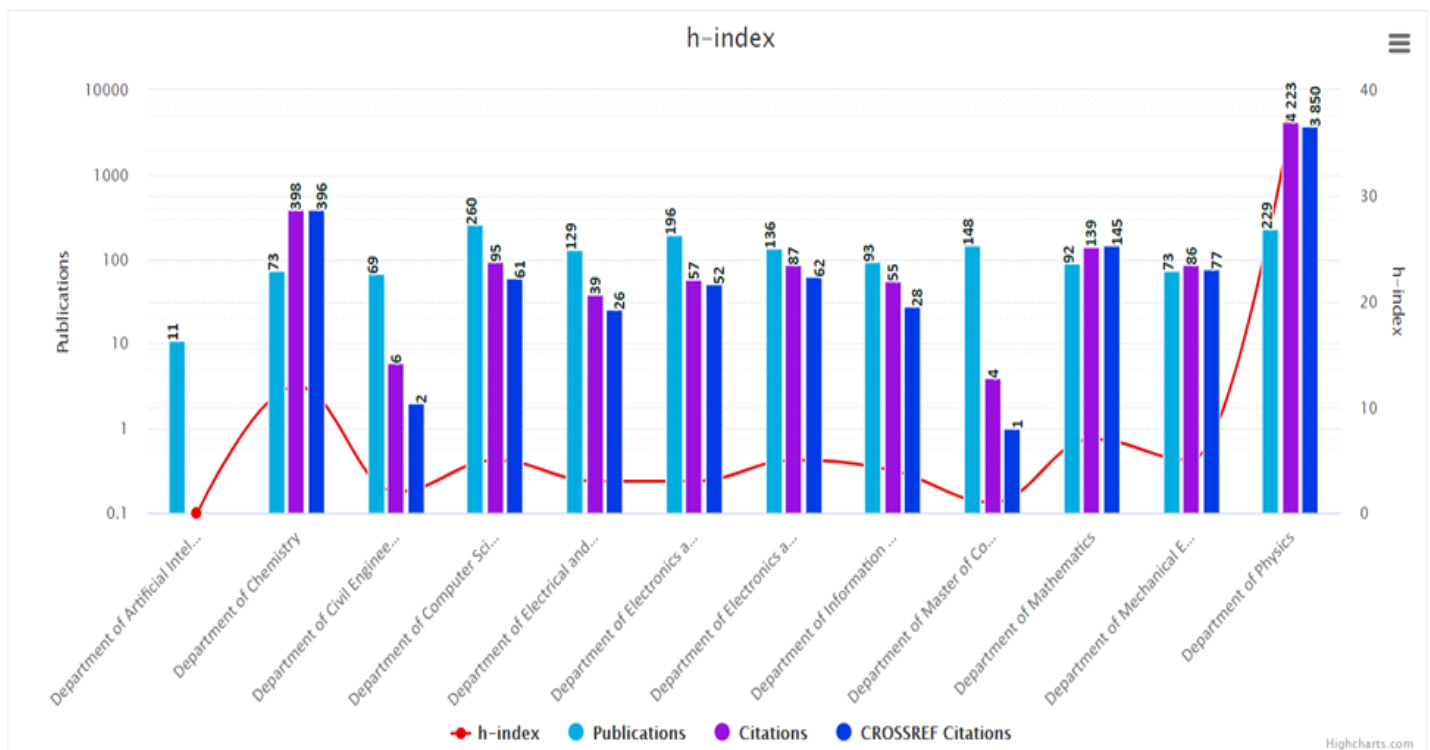
Teachers to be taught and trained'—is a relatively growing concept found in Societies all over the world, in the nineteenth and twentieth century. Also, Quality education is considered as the backbone of the nation for countries whether they are underdeveloped, developed or developing countries at present. 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. The list of topics delivered by the professors during July-2021 are given in the table below:

Sl. No.	Presenters	Date	Time	Topic/Title
1	Dr. Hanumantharaju M C	7.07.2021	12.00	Bitcoin and Cryptocurrency Technologies
2	Dr. G.S. Jayadeva	14.7.2021	-	Porous Silicon and its application for pressure sensor
3	Dr. Jojy Joseph Idicula	28.07.2021	1.00 pm	Tests of Significance



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 organisations and faculty members, scientists to collect, curate and showcase the scholarly communication activities and provide an opportunity to create the scholarly network. BMSIT&M through IRINS brings the details of its faculty research and publications details for the month of July-2021.



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