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Avalahalli, Yelahanka, Bengaluru - 560064.

NEWSLETTER

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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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YOUTUBE:

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

Faculty Achievements

BOE/BOS/Examiners

- ▶ Dr. Arun Kumar B. R, Professor, Chairman, BoS, VTU MCA PROGRAMME attended joint BoS meeting with Vice Chancellor and Registrar, on 23-07-2020.
- ▶ Dr. Aparna K, Associate Professor & HoD, Dept. of MCA, attended the Ph.D. Doctoral Committee meeting as a Committee member, for 2 research scholars, at the Dept. of MCA – VTU Research Center, Ramaiah Institute of Technology, Bengaluru.
- ▶ Dr. Aparna K, Associate Professor & HoD, Dept. of MCA, was deputed as an Auditor to the Department of Computer Science and Engineering, BMSITM, to audit the NBA preparation of CSE-PG-M.Tech. programme on 30-07-2020.

Faculty as Resource Person:

1. Dr Anupama H S, Associate Professor, Department of AIML has extended her support as Resource Person for Webinar on “Brain Computer Interface and its Applications” on 7.07.2020 at R.V. College of Engineering, Bengaluru. (Online).
2. Dr Vishwa Kiran S, Assistant Professor, Department of AIML has extended his support as Resource Person for Webinar on “See Inside C: Unexplored feature in Academics”, on 13.07.2020 at Dr. Ambedkar Institute of Technology”, Bengaluru. (Online).
3. Dr Santhi Natarajan, Associate Professor, Department of AIML has extended her support as Resource person for the Faculty Development Programme on the topic “Machine Learning” on 31.07.2020 at BMS Institute of Technology and Management, organised by MCA department. (Online).
4. Dr. Usha B A, Associate Professor, Dept. of CSE has delivered the talk on “Awareness on Information Security” in Five Day Online Webinar Series on 5D of Women Empowerment on 15/07/2020 from 10:30 am to 12:00pm organized by Dept of Information Technology, St.Joseph's Institute of Technology, OMR Chennai - 600119
5. Dr. Usha B A, Associate Professor, Dept of CSE has delivered a Talk on “AI in Cyber Security” in One day workshop organized by Dept of CSE,

BMSIT&M on Fundamentals of Deep Learning for Computer Vision in association with NVIDIA DLI on 22 July 2020.

6. Prof. Ashwini N, Assistant Professor, Dept of CSE has extended their support as Resource person for a Webinar on Robotic Process Automation on 20.07.2020 from 2.30 PM-4.00 PM at The Oxford College of Engineering, Bengaluru.
7. Prof. Vidya R Pai, Assistant Professor, Dept of CSE presented a webinar on “Youtube live- Network Analytics tools utilities” on 29.07.2020 from 5:00 pm to 7:00pm There were around 65 participants including faculty and students of various colleges in association with CSI at BMSIT&M, Bengaluru.
8. Dr. Raju Hajare delivered invited talk on “Nanotechnology and its Applications” for online webinar conducted by ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, Moodbidri, Karnataka, 16.07.2020. Faculties and research scholars of various engineering colleges attended the webinar.
9. Dr. Rudresh Shirwaikar, Department of ISE has extended their support as Resource person for one day workshop on Fundamentals of deep learning and computer vision organized by Dept. of CSE BMSIT&M, in association with NVIDIA, on 22.07.2020.
10. Dr. Rudresh Shirwaikar, Department of ISE has extended their support as Resource person for 5 day day FDP on Machine Learning by Dept. of MCA, BMSIT&M, from 27.07.2020 to 31.07.2020.
11. Dr. Aparna K, Associate Professor & Head, Prof. M. Sridevi, Asst. Professor, Dept. of MCA have extended their support as resource person and delivered sessions on “Decision Tree Learning” and “Bayesian Learning and Inference” respectively, during the 5-day FDP on “Machine Learning” conducted from 27th to 31st July, 2020 organized by the Dept. of MCA, BMSITM, Bengaluru.
12. Dr. C. Kavitha, Assistant Professor, Dept of Physics, was a resource person for 5 days FDP on Advances in Smart Materials for Sensor and Energy Applications”, from 06.07.2020 to 10.07.2020. Organized by physics dept, FBMSIT&M.
13. Dr. C. Kavitha, Assistant Professor, Dept of Physics, acted as a resource person for value added open course for Thin film Technology and Opto electronic devices, 16-20, june, 2020 to first year engineering students.

14. Dr. Daruka Prasad B, Assistant Professor, Department of Physics has extended his support as a resource person for the webinar on “powder X-ray Diffraction- A powerful tool for the characterization of nano materials: on 08.07.2020 at Sai Vidya Institute of Technology, Bangalore.
15. Dr. Daruka Prasad B, Assistant Professor, Department of Physics has extended his support as a resource person for the FDP on “Nanoelectronic Devices and their applications” on 09.07.2020 at BMS Institute of Technology and Management, Bangalore.
16. Dr. Dhananjaya N delivered a invited talk on the topic “ Fabrication of perovskite thin films for gas sensing applications” in the five day online faculty development program on “Recent Advances in Smart Materials for Sensor and Energy applications” held on 6-10th July 2020, BMS Institute of Technology and Management.

Faculty Awards

1. Prof. Banuprakash R, H Ganapathy Hebbar, N Jananai, Neha R, Raghav KK and Sudha M, are conferred the “BEST PAPER AWARD” for the paper titled “Microstrip Array Antenna for 24GHz Automotive RADAR” in 7th IEEE International Virtual conference on Smart Structures and Systems –ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.
2. Prof. Prathiba.N, Banuprakash R, Vivek R, Hemanth G, Bharath kumar S and MD Yasin Faisal, are conferred the “BEST PAPER AWARD” for the paper titled “A Compact Reconfigurable UWB Antenna For Short-Range Wireless Applications” in 7th IEEE International Virtual conference on Smart Structures and Systems –ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.

Out Reach Activities

Prof. Chethana C, Assistant. Prof, Dept. of CSE has Volunteered to teach kids at children home (online class) for Class Level-A students containing 1 standard students on environmental Study subject and the topic was chhotu's home unit 5 on 09.07.2020 from 2.00 pm to 2.45 pm as per National Institute of Open Schooling syllabus . A video about different parts of the home through Video Display is done.



Students showing the Diagram of the house drawn by them

Reviewers for Journal / Conference

1. Dr Anupama H S, Associate Professor, Department of AIML was a reviewer for conference ERCICA_2020, Nitte Meenakshi Institute of Technology, Bengaluru, India.
2. Dr. Santhi Natarajan, Associate Professor, Department of AIML, was a reviewer for B-HTC 2020: 2020 IEEE Bangalore Humanitarian Technology Conference, Bengaluru, India.
3. Dr. HemaMalini B. H, Associate Professor, Dept. of CSE was a reviewer for “Journal of The Institution of Engineers (India): Series B” during July 2020.
4. Prof. Chethana C, Assistant professor , Dept. of CSE was a Blind reviewer for Sixth International Conference on “Emerging Research in Computing, Information, Communication and Applications” (ERCICA 2020) during July 2020.
5. Dr. Usha B A, Associate Professor, Dept of CSE has Reviewed the papers for the Sixth International Conference on Emerging Research in Computing, Information, Communication and Applications” (ERCICA 2020) at Nitte Meenakshi Institute of Technology (NMIT), Bengaluru, July 2020.

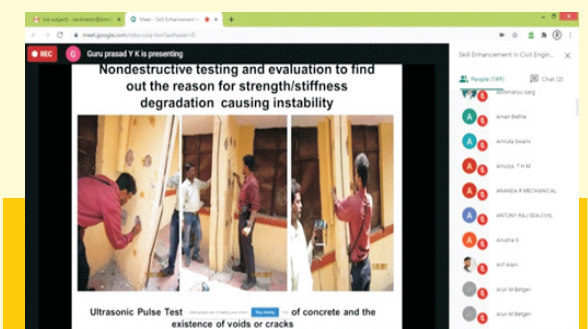
6. Prof Swetha M S, Assistant Professors, Dept. of ISE has reviewed around 5 technical papers of 2nd International Conference on Advanced Information Systems and Engineering (ICAISE 2020) Cairo, Egypt 2020 .
7. Dr. Daruka Prasad B, Assistant Professor, Department of Physics was a reviewer for the Journal: Sensors & Actuators: A. Physical (Ref: SNA_2020_1107) Title: Thermoluminescence in MgB4O7:Pr,Dy dosimetry powder synthesized by solution combustion synthesis method on 15.07.2020.
8. Dr. Daruka Prasad B, Assistant Professor, Department of Physics was a reviewer for the Journal: Nano Energy, Ms. Ref. No.: NANOEN-D-20-02113, Title: Selfrecoverable mechanics induced instant luminescence from Cr3+ doped LiGa5O8 for in situ biostress dynamic visualization on 22.07.2020.
9. Dr. Basavaraj R B, Assistant Professor, Department of Physics was a reviewer for the Journal of Science: Advanced Materials and Devices, Ms. Ref. No.: JSAMD-D-20-00256, Title: Development and detection of level II and III features of latent fingerprints using highly sensitive AIE based Coumarin fluorescent derivative on 14.07.2020.
10. Dr. Basavaraj R B, Assistant Professor, Department of Physics reviewed an Elsevier book proposal submitted by, Dr. S. J. Dhoble, Dr. Vishal Panse, and Dr. Marta Michalska-Domanskais, Title: Spectroscopic study of green emitting phosphors for solid state lighting on 16.07.2020.

Faculty Internship

Sl No.	Department	Internship
1	CHEM	1
2	CIV	3
3	CSE	5
4	ECE	2
5	EEE	8
6	ETE	4
7	ISE	6
8	MCA	3
9	MECH	4

FDP CONDUCTED/ ORGANISED

1. FDP titled “Sustainability aspects and Recent trends in Civil Engineering- The future scenario” was conducted by Dept of Civil Engineering in association with Paradigm Environmental Strategies Private Limited from 14/7/2020 to 18/7/2020. This FDP saw active participation of about 300 members from Faculty, Research scholars, PG Students and Industry. This FDP was coordinated by Dr Velumani P and Manishh S Dharek.
2. Department of civil engineering organized three days Staff Development Program on “Skill Enhancement in Civil Engineering Laboratories” from 08.07.2020 to 10.07.2020. A Total of about 274 participants from various engineering colleges, Polytechnics, Industry labs participated in this Online SDP. We had participants from all parts of country which in itself is a great source of satisfaction and motivation for us to conduct this program in the upcoming days.



The Dept of CSE has conducted a one day workshop on “Fundamentals of Deep Learning for Computer Vision” by Dr Usha B A, Associate Professor organized in association with NVIDIA DLI. on 22.07.2020



Department of Mathematics organized Five day Faculty Development Programme on “Mathematical concepts using Free Open Software (FOSS)” from 21.07.2020 to 25.07.2020. Dr. Kallur V Vijayakumar and Prof. Sreelakshmi T K coordinated the programme. The keynote speaker in the inaugural session was Dr. G. K. PATRA, Senior Principal Scientist, CSIR, Fourth Paradigm Institute(CSIR 4PI) & Professor & Associate Dean, Mathematical and Information Sciences, Academy of Scientific and Innovative Research (AcSIR), NAL Belur Campus, Bangalore. Dr. K. MADHUKAR, Analyst, Bangalore analytical research centre BARC India, Jakkur was the resource person for the remaining sessions of the FDP. The FDP has 600+ registered participants, all sessions were highly informative and well appreciated by the participants. Sessions were recorded and uploaded to department YouTube channel.



Five day Faculty Development Programme on “Mathematical concepts using Free Open Software (FOSS)” organized by Department of Mathematics from 21.07.2020 to 25.07.2020

The Department of MCA organized a 5-day FDP on “Machine Learning” from 27th July 2020 to 31st July 2020. The FDP received an overwhelming response of around 350 registrants from various engineering colleges in and outside Karnataka. The FDP was formally inaugurated by the Principal and the key note session was delivered by Mr. Saurabh Jain, Senior Principal Engineer, Broadcom Inc., Hyderabad. The sessions were handled by in-house resource persons, Dr. Aparna K, Prof. M. Sridevi, Dr. Rudresh and Dr. Santhi Natarajan. The FDP was co-ordinated by Dr. Aparna K, HoD, MCA.



Inaugural address by Principal

Keynote address by Mr. Saurabh Jain

Session by Dr. Aparna K, HoD

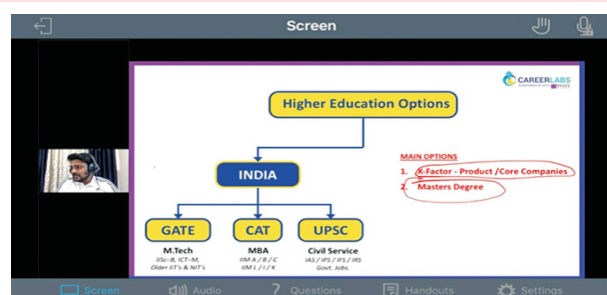
Session by Prof. M.Sridevi,

Session by Dr. Rudresh, Dept. of ISE

Session by Dr. Santhi Natarajan, AI&ML

The Department of Physics has conducted the FDP on “Advances in Smart Materials for Sensor and Energy Applications”, from 06.07.2020 to 10.07.2020. Dr. Daruka Prasad B, Mrs. Ashwini K R and Dr. Basavaraj RB coordinated this FDP program and made this event as a National level event. The FDP was being organized to bring all faculties, research scholars and experts in this field to a common platform for a lively and useful interaction. An effort is made to provide latest development and useful information in various areas of materials to teachers and students interested in application of Physics. We are happy to share that our FDP inauguration program and the information about the FDP was appeared at Jammu and Kashmir News links. The link is as below:

<http://www.jammulinksnews.com/mb/newsdet.asp?q=228315>

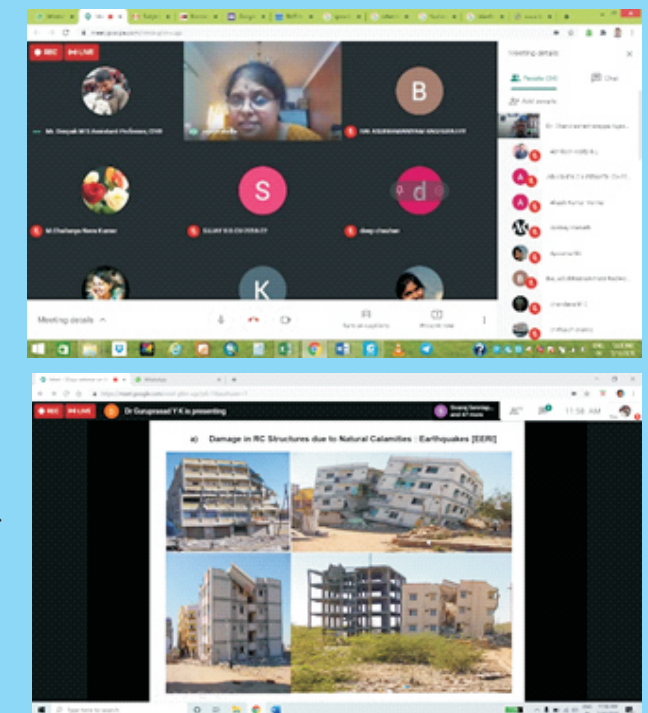


Expert Talk Organized

Prof. Sreelakshmi T K, Assistant Professor, Department of Mathematics delivered a talk through online on “Application of Mathematics in Engineering” for 2nd PU Science students at Gnana Priya PU College, Madhugiri on 25.07.2020.

Webinars Conducted

1. Department of Civil Engineering has been conducted 5 days Webinar on “STRUCTURES” from 7th July to 11th July 2020. A Total of about 533 participants from various Engineering Colleges, Polytechnics, and Industry labs participated in this online webinar. We had participants from all parts of country which in itself is a great source of satisfaction and motivation for us to conduct this webinar program in the upcoming days. Total 5 sessions has been conducted with 5 resource persons taking over the sessions. The resource persons included 4 from Academics, 1 from Industry. Topics such as Infrastructure Management, Earthquake tips brief review, Basics of RCC structures with DO and DON'Ts, Conditional Assessment and Retrofitting of Structures, Forensic in Civil Engineering in these sessions. The participants were very happy and good interaction from participants through Q&A sessions.



- The Dept. of CSE organized a live webinar on “Augment your online presence and be engulfed by the Job market in 2020”. delivered by Mr. Karan Bhandari, Technical Lead at Societe generale Global solution centre Alumni of 2010 batch, Dept. of CSE under Alumni Association, BMSIT&M and vaave enriching Alumni relationship for all students on 09.07.2020, 5.00 p.m.
- The Dept of CSE organized a webinar on “YouTube live-Network Analytics tools utilities” by Prof. Vidya R Pai, Assistant Professor & Mr. Hemanth Raj, 6th sem Student of CSE, there were around 65 participants including faculty and students of various colleges in association with CSI at BMSIT&M, Bengaluru on 29.07.2020 from 5:00 pm to 7:00pm.

Live Webinar on

Augment your online presence and be engulfed by the Job Market in 2020

Karan Bhandari
Class of 2010
Technical Lead at Societe Generale Global Solution Centre

Karan Bhandari is a graduate of BE, Computer Science and Engineering from BMS Institute of Technology and Management in the year 2010. He completed his MS in Computer Engineering from California State University, Long Beach in the year 2012. He started off as a Tech Analyst and grew to be the Technical Lead and Node.js Automation Engineer in Infosys. He then joined Societe Generale Global Solution Centre as the Technical Lead since 3 years.

09th July 2020
5.00 PM

Registration:
<https://cc.vaave.com/e/bmsit-webinar-6>

BMS Institute of Technology and Management

in association with
VAAVE
Enriching Alumni Relationship

DATE: 29TH JULY 2020
TIME: 5PM TO 7PM
VENUE: YOUTUBE LIVE

BMSIT & M
IN ASSOCIATION WITH
FUTURE VISION, IIS, AND CSI
PRESENTS

NETWORK ANALYTICS TOOLS UTILITIES

Outcomes:-
1. Find devices in a network
2. Set devices Details, like Mac, ip, open ports, OS
3. Password Sniffing on http
4. Other pockets in short (DDP, TCP)

PRE-REQUISITES:
Few tools to be installed which will be guided through whatsapp group & is already Mentioned in Website

REGISTRATION LINK:
<https://www.youtube.com/watch?v=...>

YOUTUBE LINK:
<https://www.youtube.com/watch?v=...>

WHATSAPP & INSTAGRAM LINK:
<https://www.whatsapp.com/channel/...>
<https://www.instagram.com/...>

Scan to Register

Future Vision

ABOUT THE SPEAKER

Mr. K. S. Hemanth Raj, Founder & CEO of "Future Vision BSI". One stop for all Study Materials, Lab Programs, video Tutorial, Courses & More, made for VIT Engineering Students. Any Student can Access all Study material at free of cost.

CONTACT US:
BSC Mrs. Vidya R Pai
STUDENT COORDINATORS
Prasanna Kulkarni - 7016303347
Roshini D - 7019929683

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ABOUT THE SPEAKER

Mrs. Vidya R is working as an Assistant Professor in the Department of Computer Science & Engineering at BMSIT. She has 15 years of experience in teaching and one year in industry. Her specialization works are majorly in the field of Computer Networks. She is the Branch Counsellor of CSI BMSIT&M Student Branch.

4. Department of physics conducted one day webinar on "Secrets to combat Covid -19" on 29.07.2020 from 2.00pm -3.00pm from the resource Person Dr. Puneeth Kumar P BAMS,MD(Ayurveda).Director, Sriranga Hospital, Basavanagudi, Bangalore. There were 120 participants participated in the webinar and participants have given good feedback for the session and asked us to conduct like this programmes in future also.

Research Publication

International Journal

1. Zhang, Han, Tao Xu, Hongsheng Li, Shaoting Zhang, Xiaogang Wang, Xiaolei Huang, and Dimitris N. Metaxas. "Stackgan++: Realistic image synthesis with stacked generative adversarial networks." *IEEE transactions on pattern analysis and machine intelligence* 41, no. 8; 2018 Jul 16:1947-1962. (Scopus)
2. Dr Anupama H S, "Creation of Open Educational Resource (OER) Activity: Flipping the Classroom with Moodle", *Journal of Seybold Report (UGC Approved Journal)*, ISSN NO: 1533-9211, Volume 15, Issue 7, Page no: 965-979.
3. Prof. Jagadish P , Prof.Anand R "Smart Eye: A Handheld Device Based Application for Text Detection and Speech Conversion", *International Journal of innovative technology and Exploring Engineering*, 2278-3075, Volume-9, Issue -9, July 2020 (Peer Reviewed)
4. Prof.Rajesh N.V, Prof. Durga Devi G.Y., Prof.A. Mari Kirthima, Prof.Ambika G N," DIABETIC RETINOPATHY DETECTION USING DEEP LEARNING", *International Journal of Advanced Research in Engineering and Technology (IJARET)*, ISSN Online: 0976-6499, Volume 11, Issue 7, July 2020, pp. 208-216.(Scopus)
5. Dr. Satish kumar T, Dr. Mahesh G, "Human Emotion Recognition System using Deep Learning Approach", *Journal of Advanced Research in Dynamical and Control Systems*, ISSN: 1943-023X, Volume-12, Issue-6, July 2020, pp. 907-915 (Scopus).
6. Satish Kumar T, Vishwakiran, Fasiha Kausar, "Urban Drone Control through Machine Learning Technique", *Journal of Advanced Research in Dynamical and Control Systems*, ISSN: 1943-023X, Volume-12, Issue-6, July 2020, pp. 941-951(Scopus).
7. Dr. Usha BA "Data Protection System using Audio Steganography for Secure Transmission" in *Journal of Seybold Report*, ISSN:1533-9211, Volume-15, Issue-7, PP-1067-1080, July 2020(Scopus)
8. Prof. Ambika G.N. Prof.A. Marikirthima , Prof. Rajesh N.V, Prof. Radhika K.R "VISUAL SENTIMENT ANALYSIS ON E-SHOPPING USING DEEP LEARNING" *International Journal of Advanced Research in Engineering and Technology (IJARET)*, ISSN Online: 0976-6499, Volume 11, Issue 7, July 2020, pp. 208-216.(Scopus).
9. Prof. A. Mari Kirthima, Prof. Ambika G.N, Prof.Rajesh N.V " IOT BASED ACCIDENT DETECTION SYSTE IN VANET" *International Journal of Advanced Research in Engineering and Technology (IJARET)*, ISSN Online: 0976-6499, Volume 11, Issue 7, July 2020, pp. 208-216.(Scopus).
10. Dr. Anilkumar D, Dr. Ambika R, "Drone Integrated Weather Sensors for Agriculture Purpose", *International Journal of Electrical Engineering and Technology*, ISSN: 0976- 6553, Volume- 11, Issue- 5, July 2020, pp: 83-90 (Scopus).
11. Raghunandan G H, Dr. A. Shobha Rani, "Design and Implementation of Efficient Routing Algorithm for Wireless Sensor Networks", *International Journal of Advanced Science and Technology*, ISSN: 2005-4238, Vol. 29, No. 3, July 2020.
12. Ravindra V Asundi "Alive Human Detection and Navigation of Unmanned ground Vehicle in Natural disasters and Air crash" *International Journal of Electrical and Electronics Engineering*, ISSN:2278-9944, July 2020
13. Babu Naik G, Shilpa G, Ozwin Dominic Dsouza, Manjunatha Babu P "Identifying the frequency and voltage level at the grid connected synchronisation failure" *International Journal of Seybold Report*, Volume 15, Issue 7, July 2020. (Scopus)
14. Shilpa G, Babu Naik G, Manjunatha Babu P, Ozwin Dominic Dsouza, "Simulation and hardware implementation of single stage bridgeless boost rectifier for low voltage energy harvesting applications" *International Journal of Seybold Report*, Volume 15, Issue 7, July 2020. (Scopus)
15. Manjunatha Babu P, Ozwin Dominic Dsouza, Shilpa G, Babu Naik G, "Computerized Railway Gateways Using PLC" *International Journal of Seybold Report*, Volume 15, Issue 7, July 2020.
16. Madhu Palati , "Journal Paper Format Simulation studies on Modeling of Marx circuit and pulse forming line with Blumlein", *Journal of Seybold Report*, Volume 15, Issue 7, 2020, pp.39-47, ISSN NO: 1533-9211
17. Ozwin Dominic Dsouza, "Accident Detection System Using GSM & GPS Technology" in *International Journal of Seybold Report*, Volume 15, Issue 7, July 2020.
18. Kattimani H.D, Sayalee Sanjay Kahandal, Mohammad Adil Ansari, Nikita Chuhan, Rupansha Khare, "Solar powered portable electrical vehicle charging Station" *International Research Journal of Engineering and Technology (IRJET)*, ISSN: 2395-0056, Volume 7, Issue 7, July 2020.

19. Narapareddy Ramarao, Kavya P, Deepa M. S, Sinchana Gowda, Vaishnovi H, "Review of Methods for Automatic Segmentation of Brain Tumor in MRI Images" *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181, Vol. 9, Issue 07, July 2020.
20. Prof. Mallikarjuna Gowda C P and Vijayakumar T, "Performance of Selective Channel Assignment Method in Cognitive Radio System", *International Journal of Advanced Science and Technology (IJAST)*, ISSN: 2005 - 4238 , Volume- 29, Issue-10 S; 2020 June 30; 3826 - 3840 (Scopus)
21. Dr. Raju Hajare, "Design and development of combat robot for military applications" in *IJRES journal* –July -2020(Peer reviewed and nonpaid)
22. Prof. Siddiq Iqbal, Sushmitha K R , Vaishnavi P S, Rashmi Dhananjaya Shastri, Shivangi Jain published a paper titled "Key Management Schemes for Distributed and Centralised WSNs: A Survey" *Journal of Xidian University*, Scopus indexed journal ISSN: 1001-2400, Volume-14, Issue-7, July 2020.
23. Prof.Raghunandan.G.H, Dr.A.Shobha Rani has published a research paper on Design and Implementation of Efficient Routing Algorithm for Wireless Sensor Networks in *IJAST*, Vol. 29, No. 3, 2020, Scopus and SCI indexed Journal
24. S.Mahalakshmi, Veena N, " Visual Assistance for Blind using Image Processing", *International Research Journal of Engineering and Technology*, e-ISSN: 2395-0056, Volume: 07 Issue: 07 ,July 2020 PP: 4213-4216
25. S.Mahalakshmi, Veena N, " Virtual Reality & its Applications", *International Research Journal of Engineering and Technology*, e-ISSN: 2395-0056, Volume: 07 Issue: 07 ,July 2020 PP: 4210-4212
26. Bhavya G, Vinutha K , "A Study on Detection on Fake News", *International Journal for Science and Advance research in technology* ,ISSN: 2395-1052, Volume: 6, Issue:7, July 2020. PP:558-560.
27. Vinutha K, Bhavya G , "Analysis of various treatments for pain in upper limb of patient's post-stroke", *International Journal for Science and Advance research in technology* ,ISSN: 2395-1052, Volume: 6, Issue:7, July 2020. PP:605-607.
28. Bhavya G, Vinutha K, "A Survey on Forensic Video Analysis", *International Journal for Science and Advance research in technology* ,ISSN: 2395-1052, Volume: 6, Issue:7, July 2020. PP:531-535.
29. Gireesh Babu C N, "Smart email reply system based on sentiment" in *International Journal for Science and Advance research in technology* ,ISSN: 2395-1052, Volume: 6, Issue:7, July 2020.
30. Rema V and K. Sikdar- Time series modelling and forecasting of patient arrivals: A research at an Emergency Department of a Hospital in Bengaluru, *International Journal of Advanced Science and Technology (IJAST)*, 2020, Vol. 29 (7), pg. no. 11361 - 11392. ISSN 2005-4238 (Print), 2207-6360 (Online). Publication date: 01.07.2020.
31. M.Sridevi, Arunkumar B.R., Dept. of MCA published a paper titled "Detecting the Presence of Power Law to Understand the Distribution of Patient Groups Related to Chronic Diseases on Social Media" in the *Scopus Indexed - International Journal of Advanced Science and Technology*, ISSN: 2005-4238, Volume 29, Issue 7, pp. 8160-8171, July 2020.
32. Venkatesh A, Shivakumara T, Sudarsanam P, Dept. of MCA published a paper titled "VPC: Virtual Private Cloud Overview" in *International Journal of Application in Engineering & Management*, ISSN:2319-4847, Volume-9, Issue-7, July 2020.
33. H. K. Govindaraju, Kiran M D, ARK Swamy, Deepak S and Bhaskar Raju S A "Mechanical Behavior of Heat Treated Al6061-Tungsten Carbide and Graphite Reinforced Hybrid Composites", *Journal of Critical Reviews*, ISSN- 2394-5125 VOL 7, ISSUE 17, 2020.
34. Kiran MD, Nithin Kumar, Ezhil Vannan.S, Vincent Linish Dsouza , Madeva Nagaral "Dry sliding wear behaviour of short Carbon fibre reinforced aluminium matrix composites", *Journal of Critical Reviews*, ISSN- 2394-5125 VOL 7, ISSUE 15, 2020.
35. Mr. G.L.Anantha Krishna, Assistant professor, Department of Mechanical Engineering has published a paper titled "Analytical and Finite Element Analysis of a Typical Curved Beam Under loading" in *International Journal of Engineering Science and Computing (IJESC)*, ISSN -2321 3361, Volume 10, Issue No.7, July 2020, Pg 26631 –26633.
36. Dr. C. Kavitha, K. Bramaiah, Neena S John, Low-cost electrochemical detection of l-tyrosine using an rGO–Cu modified pencil graphite electrode and its surface orientation on a Ag electrode using an ex situ spectroelectrochemical method, *RSC Advances*, 10, 22871-22880, 2020.
37. S. Pratibha, R Lokesh, N. Dhananjaya, K. H. Sudheer Kumar, S.R. Manohar, Modified Solution Combustion Approach for Probing of Structural and Dielectric Properties of Sm³⁺ Doped GdAlO₃ Nanoparticles, *Journal of Nanoscience Nanoengineering and Applications*, ISSN:2321-5194 , Volume-10, Issue 1, month- July, Year- 2020

International Conference

1. Dr Santhi Natarajan, Dr Bharathi Malakreddy and Anand Ravishankar, "Sylvian-Silva (SFORCE): An Ensembled Boost Approach Towards Machine Learning", presented paper for the conference IEEE CONECCT 2020, on 2.07.2020.
2. Dr Rajesh Gopinath (Associate Professor & HoD, Dept. of Civil Engineering) has participated in the NAGI-RGS Online Round Table Conference on "Geographical Perspectives of Water Resources: Issues and Challenges" on 16.07.2020, Jointly Organized by National Association of Geographers, India (NAGI) and Russian Geographical Society (RGS).
3. Prof. Shruthi.J, "Mitigating Losses in Landslide detection for an early warning system with Wireless sensor Networks" Third International Conference on Emerging Trends in Science and Technologies for Engineering Systems (ICETSE-2020), organised by SJC Institute of Technology on 19.07.2020.
4. Dr. Arunakumari B. N. "A Novel Approach for AES encryption and Decryption Using AngularJS" In proceedings of 3rd International Conference on Computer Networks and Inventive Communication Technologies-ICCNCT2020 (Scopus and DBLP index) held during 23.07.2020 to 24.07.2020 at RVS Technical campus, Coimbatore.
5. Prof. Shruthi.J., Prof. Vidya R, "Forecasting and Detection of Flood Using Random Forest Learning Method" Third International Conference on Emerging Trends in Science and Technologies for Engineering Systems (ICETSE-2020), organised by SJC Institute of Technology on 19.07.2020.
6. Rashmi N, Hamsavahini R, et.al, "Efforts to overcome the existing impairments in implementing Helicopter Satellite Communication System (HSCS)" presented in third International conference on emerging trends in science & technologies for engineering systems, ICETSE-2020, SJCIT, 19.7.2020.
7. Rashmi N, Gaurav Sethia, et.al, "Automated computer vision based weed removal bot", 6th International conference on electronics computing and communication technologies, IIIT, Bangalore, July 2020.
8. Prof. Thejaswini S, Dr.K M Ravi Kumar, "EEG Based Emotion Detection using Hybrid LSTM", 3rd International Conference ICETSE 2020, SJC Institute of Technology, Chickballapur, Karnataka, 19.7.2020.
9. Prof. Banuprakash R and Hariprasad S A, published a research paper titled "A miniaturized multiband antenna using SRR and DGS for Cognitive radio applications" in Journal of Xidian University, ISSN No:1001-2400, Volume 14, Issue 7, pp. 1180-1188, July 2020- Scopus Indexed.
10. Prof. Banuprakash R, Lekhya Sindura N, Madhushree M, Chethana C and Mahima R D, have presented a paper with title "A Compact multiband patch antenna for 5G applications using rectangular slotted DGS" in 7th IEEE International Virtual conference on Smart Structures and Systems-ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.
11. Prof. Banuprakash R, H Ganapathy Hebbar, N Jananai, Neha R, Raghav KK and Sudha M, have presented a paper with title "Microstrip Array Antenna for 24GHz Automotive RADAR" in 7th IEEE International Virtual conference on Smart Structures and Systems-ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.
12. Prof. Banuprakash R, Pratibha M, Vivek R, Hemanth G, Bharathkumar S and MD Yasin Faisal, have presented a paper with title "A Compact Reconfigurable UWB Antenna For Short-Range Wireless Applications" in 7th IEEE International Virtual conference on Smart Structures and Systems-ICSSS 2020 held on 23.7.2020 and 24.7. 2020 at Saveetha Engineering College, Chennai- Scopus Indexed.
13. Prof. Sowmyashree M S, Prof. Saritha I G, Ms Archana Arun, Ms Manasa M, Ms Samhitha & Ms Spoorthi H S, "Trace file analysis of congestion window to find throughput and PDR", 3rd International Conference ICETSE 2020, SJC Institute of Technology, Chickballapur, Karnataka, 19.7.2020.
14. Prof. Sumathi M S, Prof. Shruthi, Nischitha, Gagana, Krithika, Samruddhi "Mitigating Losses in landslide detection for an early warning system with wireless sensor networks" 3rd International Conference ICETSE 2020, SJC Institute of Technology, Chickballapur, Karnataka, 19.7.2020.
15. Prof. Sumathi M S, Prof. Shruthi, "Forecasting & Detection of Flood using Random Forest Learning Method" 3rd International Conference ICETSE 2020, SJC Institute of Technology, Chickballapur, Karnataka, 19.7.2020.
16. Dr. Annapoorna M S, Assistant Professor, Department of Mathematics presented a paper entitled "Strongly k-ordered-t*-connectedness of middle graph of $(W_{1,n}, k)$ " in the Five DAYS International Conference on Recent Trends in Mathematics and its Applications to Graphs, Networks and Petri Nets (ICRTMA-GPN-2020) jointly organized by School of Computational and Integrative Sciences, JNU, New Delhi & Vijnana Parishad of India (Society for Applications of Mathematics) from 20.07.2020 to 24.07.2020
17. Dr. Arunkumar .R., Professor, Dept. of MCA presented a paper titled, "Impact of Cyber Threats on Electronic Health Records" in a Scopus Indexed Springer Conference, ICCNCT-2020 at COIMBATORE on 23-7-2020.
18. Kiran M D, H K Govindaraju, T Jayaraju, "Fracture toughness of surface treated short fiber reinforced epoxy composites" AIP Conference Proceedings 2247, 020006 (2020); <https://doi.org/10.1063/5.0003825>.
19. H K Govindaraju, Kiran M D, Lokesh Yadhav B R "Wear behavior of aluminum metal matrix composites: A Taguchi approach" AIP Conference Proceedings 2247, 040005 (2020); <https://doi.org/10.1063/5.0003802>.

National conference

Prof. Anand R, Prof. Jagadish. P, "A possible approach to detect COVID-19 using Machine Learning Techniques", National Conference, Virtual Conference on Artificial intelligence, Network security, Data science and IoT (National Level) VCANDO-2020, 05.07.2020

FDP /Workshops/STTP attended (Teaching staff)

Sl No.	Department	FDP /Workshops /STTP attended:
1	AI&ML	1
2	CHEM	10
3	CIV	20
4	CSE	16
5	ECE	20
6	EEE	22
7	ETE	4
8	ISE	30
9	MATH	4
10	MCA	4
11	MECH	13

Online Course completed (Teaching staff)

Sl No.	Department	Online Courses
1	AI&ML	3
2	CHEM	3
3	CIV	4
4	CSE	11
5	ECE	14
6	EEE	19
7	ETE	8
8	ISE	4
9	MATH	11
10	MCA	2

Webinars Attended (Teaching staff)

Sl No.	Department	Webinars
1	AI&ML	6
2	CHEM	13
3	CIV	11
4	CSE	43
5	ECE	6
6	EEE	11
7	ETE	8
8	MATH	28
9	MCA	3
10	PHY	7

Online Quiz Attended (Teaching staff)

Sl No.	Department	Webinars
1	CSE	20
2	ECE	1
3	EEE	1
4	ETE	6
5	ISE	1
6	MATH	2
7	MCA	6
8	MECH	4

Webinars Attended (Teaching staff)

Sl No.	Department	Webinar (FACULTY)
1	MECH	10
2	PHY	13

FDP /Workshops/STTP attended (nonteaching staff)

Sl No.	Department	FDP /Workshops /STTP attended:
1	CHEM	3
2	CIV	9
3	EEE	7
4	ETE	3
5	MECH	1

Online Course completed (nonteaching staff)

Sl No.	Department	Online Courses
1	AI&ML	1
2	CIV	3
3	CSE	1
4	ECE	2

Webinars Attended (nonteaching staff)

Sl No.	Department	Webinars
1	AI&ML	1
2	CHEM	4
3	CIV	4
4	ECE	13
5	ETE	6
6	MECH	1

Online Quiz Attended (nonteaching staff)

Sl No.	Department	Webinars
1	CIV	4
2	ECE	6
3	EEE	5
4	ETE	2

Initiatives by the departments

1. Vikas C, Praveen Kumar D S, Likhith M and Vinod B R has presented a project titled AUDRINO BASED SANITIZER DISPENSER in "INNOVATE2020 On the topic Innovative ideas of Civil Engineering" which was held on July 22, 2020 at Department of Civil Engineering Sanskrithi School of Engineering, Puttaparthi, Andhra Pradesh.
2. Prof. Babu Naik G, Assistant Professor, Department of Electrical and Electronics Engineering, participated in the ICT Academy Convergence 2020 (Annual Member Meeting) Organized by ICT Academy held on 15th July 2020.
3. Department of ISE organised a Coding Quiz series under a coding club every Monday of July. The Quiz question includes various questions from different programming languages. Around 60 participants certificated in the event and certificate is provided to all participants who scored above 40% of marks.

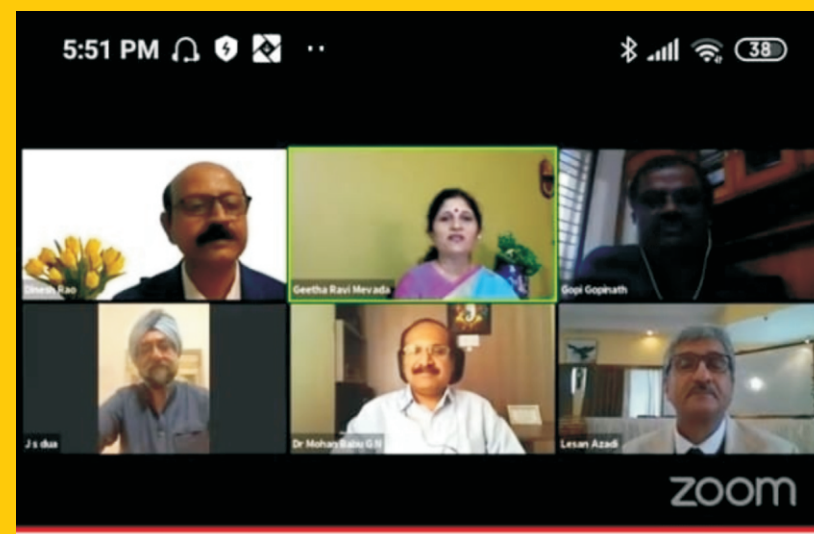
Achievements

All technical staffs were involved in fabrication of "Foot operated sanitizer dispenser" in mass production.



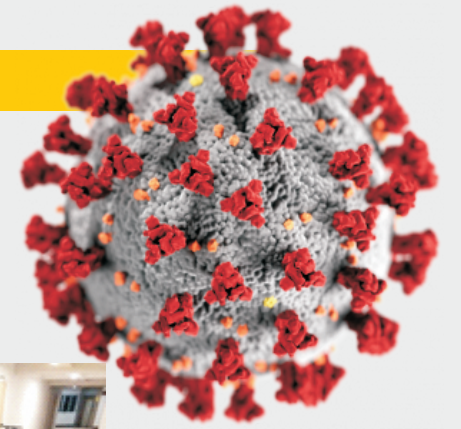
Societal Impact Talks

Apart from teaching and research, one of the functions of education is to develop the quality of moral and ethical sensitivity in students. This cannot be an isolated activity contained in a morals class period only. Across all disciplines and subjects, different teachers have the ability and must take the responsibility to instil in students a strong sense of moral and ethical thinking both by example and by the subtle disciplinary approach of guidance in academic pursuits and assignments that are expected to be completed with excellence as well as with sincerity, without plagiarism, etc. Value education or inculcating a sense of ethical values in students is a part of every teacher's innate responsibility. In the pursuit of enlightening teachers on the roles of imparting moral and ethical mind set among students, a webinar was organised by The Baha'i Community of Bengaluru titled "Distinctive role of teachers in times of crises", on July 26, 2020 during 5:00 - 6:30 pm. Our Principal Dr. Mohan Babu G N was a speaker along with educationists and other dignitaries.



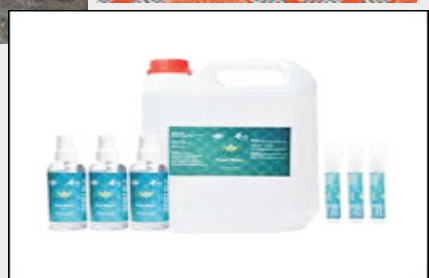
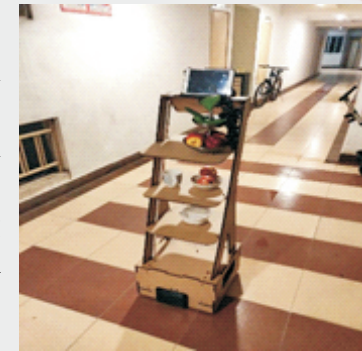
BMSIT & M, Administrative Office

COVID-19 Our effort to counter it



The Institute strictly followed the directions given by the Government of Karnataka time-to-time. All the guidelines like adoption of single entry and exit system in the campus, use of Thermal screening and Hand sanitisation while entering BMSIT&M campus, strict use of Facial masks in the campus, maintaining a safe social distance with others, display of posters to educate everybody to adhere to safe practices and downloading of Aarogya sethu app were adhered to.

During the lockdown period, online meetings were held to discuss the directives given by various regulatory bodies and its effective implementation. This lockdown also led to various innovations at BMSIT&M. A Semi-Autonomous Food and Medicine Delivery Robot was developed by the students, SHUDH an Indigenous Automatic Hand Sanitizer Dispenser was developed by the department of AI&ML, Foot Operated Sanitizer Dispensers was developed by Dept. of ME and department of Chemistry formulated the Hand Sanitizer as per the recommendations of World Health Organizations.



Employees of BMSIT&M contributed one-day's salary amounting to Rs. 7.14 lakh towards CM's Covid-19 Relief Funds.



Few employees, in their own capacity, extended their helping hand by distributing ration kits to various groups of people (gardeners, security persons, etc.) who used to provide us outsourced services during the lock down period.

BOARD OF GOVERNANCE

The 38th meeting of the Board of Governors' of BMSIT&M was held on 10.07.2020 in the Board Room. This time a new member Dr. S B Kivade, Principal, Basavakalyan Engineering College and Executive Council Member, VTU (nominated by VTU) was inducted as a member for a term of two years. Due to the COVID-19, some of the BOG members namely Dr. Unnat Pandit, Sri. Kiran D M and Dr. S B Kivade participated in the meeting online through google meet. The meeting was chaired by Sri. Madan Gopal M, Chairman, BOG BMSIT&M in the presence of Dr. B S Ragini Narayan, Donor Trustee and Member Secretary, BMSET, Dr. P Dayananda Pai, Member, BOG, Sri Aviram Sharma, Member, BOG, Sri. G S Mahagaonkar, Member, BOG.



Orientation programme

An orientation programme was held on 23.07.2020 for the 21 faculty members who had joined BMSIT&M during the last one year. The faculty members were explained the legacy of our Institute and the expectation from the faculty members. The programme was chaired by the Principal and was participated by the Vice Principal and Administrative Officer.



Jnanavardhana Series - 8

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 backbone of the nation for countries whether they are under developed, developed or developing country at present. As part of share 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 a 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 are given in the table.

Sl. No	Name of the Presenter	Date	Time	Topic of Presentation
1	Dr. Rajesh Gopinath	01-07-20	12:00PM – 1:00PM	Design Anomalies in Urban Climate Research: A Research Perspective
2	Dr. Seema Singh	8-07-20		Neural network applications – conventional vs advanced approaches
3	Dr. S K Pushpa	15-07-20		Data Visualization Using Tableau
4	Dr. H K Govindaraju	22-07-20		Failure Analysis of Crank Shaft
5	Dr. Usha B A	29-07-20		AI in Cyber Security

Students achievement

A team of final year students from BMSIT&M took part in the E-yantra ideas competition. The team consisted of: Kaushik Balasundar – Team Leader (ME), Aby J Kottoor (ME), Akash S Nambiar (ME), Shwetha D (CSE) Under the guidance of Mrs S.Nithya poornima, Assistant Professor. The project they presented was titled – “Hydraulically Actuated Autonomous Nurse (HYAAN)”. The team believed that the project will prevent nurses from physical stress and improve efficiency by automating the arduous process of lifting and turning a patient. The full-scale prototype was completed by January and a video of the project was submitted for evaluation, the project was shortlisted for the Regional Finale that took place at PSG Institute of Technology and Applied Research, Coimbatore, where their efforts were highly appreciated by the judging panel. This project was then selected for the National Finale, conducted by IIT Bombay, and was commended by the judging panel of acclaimed IIT Bombay professors and Angel Investors. This project team finished in the top 5% of the competition.

