BMS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Department of Electronics & Telecommunication Engineering(ETE)

TELECHRONICLE

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A HALF YEARLY NEWSLETTER

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Faculty Achievements :

Dr. Thejaswini S received her doctoral degree for the Title "A Novel Approach for Effective Emotion Recognition using Neural Networks & EEG" under the **guidance** of Dr. K M Ravikumar, Director, Oxford College of Engineering, Bengaluru, at 21st Annual Convocation 2022, on 10th

Dr. Thejaswini S receiving Doctoral Degree at VTU Belagavi

Dr. Mallikarjuna Gowda received his doctoral degree for the Title ""Design and Investigation of Channel Assignment Techniques in Cognitive Radio System", at 21st Annual Convocation 2022, on 10.3. 2022 at VTU Belagavi.

Students Workshop conducted/ organised

Prof Sowmyashree M S conducted an activity for 3rd sem ETE students on 31.3.2022 , where the students simulated the practical concepts of Power Electronics related to rectifiers , inverters and bridges through PSpice and Labview.

International Journal:

- Gupta, Shubham, and Kusum Deep. "A novel random walk grey wolf optimizer." Swarm and evolutionary computation 44 (2019): 101-112.
- Li, Neng, Shuai Huang, Guodong Zhang, Renyao Qin, Wei Liu, Huaping Xiong, Gongqi Shi, and Jon Blackburn. "Progress in additive manufacturing on new materials: A review." Journal of Materials Science & Technology 35, no. 2 (2019): 242-269.

- Iqbal, Siddiq, and B. R. Sujatha. "Secure Key Management Scheme for Hierarchical Network Using Combinatorial Design." Journal of Information Systems and Telecommunication (JIST) 1, no. 37 (2022): 20.
- Gupta, Shubham, and Kusum Deep. "A novel random walk grey wolf optimizer." *Swarm and evolutionary computation* 44 (2019): 101-112.
- Li, Neng, Shuai Huang, Guodong Zhang, Renyao Qin, Wei Liu, Huaping Xiong, Gongqi Shi, and Jon Blackburn. "Progress in additive manufacturing on new materials: A review." *Journal of Materials Science & Technology* 35, no. 2 (2019): 242-269.

- Iqbal, Siddiq, and B. R. Sujatha. "Secure Key Management Scheme for Hierarchical Network Using Combinatorial Design." Journal of Information Systems and Telecommunication (JIST) 1, no. 37 (2022): 20.
- C. P. Mallikarjuna Gowda, P. Prajwal, K. V. Bellad, V. Hima and N. Suresh, "Design & Implementation of FM Transceiver using Raspberry Pi and SDR," 2021 International Conference on Technological Advancements and Innovations (ICTAI), 2021, pp. 156-161, doi: 10.1109/ICTAI53825.2021.9673253.
- C. P. Mallikarjuna Gowda, A. Srivastava, S. Chakraborty, A. Ghosh and H. Raj, "Virtual Office Prototype: A Unity-2D work Simulation," 2021 International Conference on Technological Advancements and Innovations (ICTAI), 2021, pp. 150-155, doi: 10.1109/ICTAI53825.2021.9673456.
- Gupta, Shubham, and Kusum Deep. "A novel random walk grey wolf optimizer." *Swarm and evolutionary computation* 44 (2019): 101-112.
- Li, Neng, Shuai Huang, Guodong Zhang, Renyao Qin, Wei Liu, Huaping Xiong, Gongqi Shi, and Jon Blackburn. "Progress in additive manufacturing on new materials: A review." *Journal of Materials Science & Technology* 35, no. 2 (2019): 242-269.

FDP /Workshops/STTP attended (faculty):

- Prof. Saritha I G, Prof.Sowmyashree M S , Prof. Sumathi M S, Prof.Prathiba.N , Prof.Dr.Raghunandan G.H , Assistant Professors,Dept. of ETE,BMSIT&M, has participated in "Five Day National Level Faculty Development Programme (FDP) on Advances in MEMS, RF MEMS & SIGNAL PROCESSING" conducted from 12th – 17th February 2022, organized by the Department of Electronics & Communication Engineering, School of Engineering, Presidency University, Bangalore.

- Prof.Siddiq Iqbal ,Prof.Saritha.I.G, Dr.Sumathi.M.S, Dr.Raghunandan G.H and Geetha.N attend workshop on "Applied Artificial Intelligence and Machine Learning" (an Initiative inline with NEP) Organized by the Department of Artificial Intelligence and Machine Learning,BMSIT&M conducted during 4.3.2022 & 11.3. 2023.

- Dr. Banuprakash R, has attended a Short term training program on " Practical aspects of Intellectual Property Rights(IPR)", held from 02.03.2022 to 07.03.20222, organized by Department of ECE, Arya college of Engineering &IT, Jaipur, Rajasthan.

Any other Initiatives by the departments

- Parent Teacher Meeting (PTM) of first semester students' parents held on 26.02.2022 from 9:30am to 12:30pm in a digital classroom of the dept. of ETE, around 30 parents participated in the meeting. Dr. Raju Hajare, HoD of ETE, presented the students and faculty achievements, best practices, Industry - Institute collaboration, Collaboration with international University, Placements, Autonomous curriculum content development, National Education Policy, etc., Dr. Anil G N, Dean Academics, interacted with the parents and informed them about NEP, importance of Ability Enhancement Courses, involvement of various stakeholders in curriculum development, etc . Most of the course coordinators interacted with the parents and discussed the performance of students, meeting concluded by thanking all the parents for their time and active participation by PTM Coordinator Mallikarjuna Gowda C P.

- The sample Photos of interaction of HoD, Dean Academics and course coordinators with parents in the meeting are shown below:

PBL Prize distribution

Department of ETE conducted PBL prize distribution on 25.2.2022 for the winners in Open day and winners received the prizes by HoD and other staffs in the department and also appreciated for the motivation in the department for their success in completion of the project.
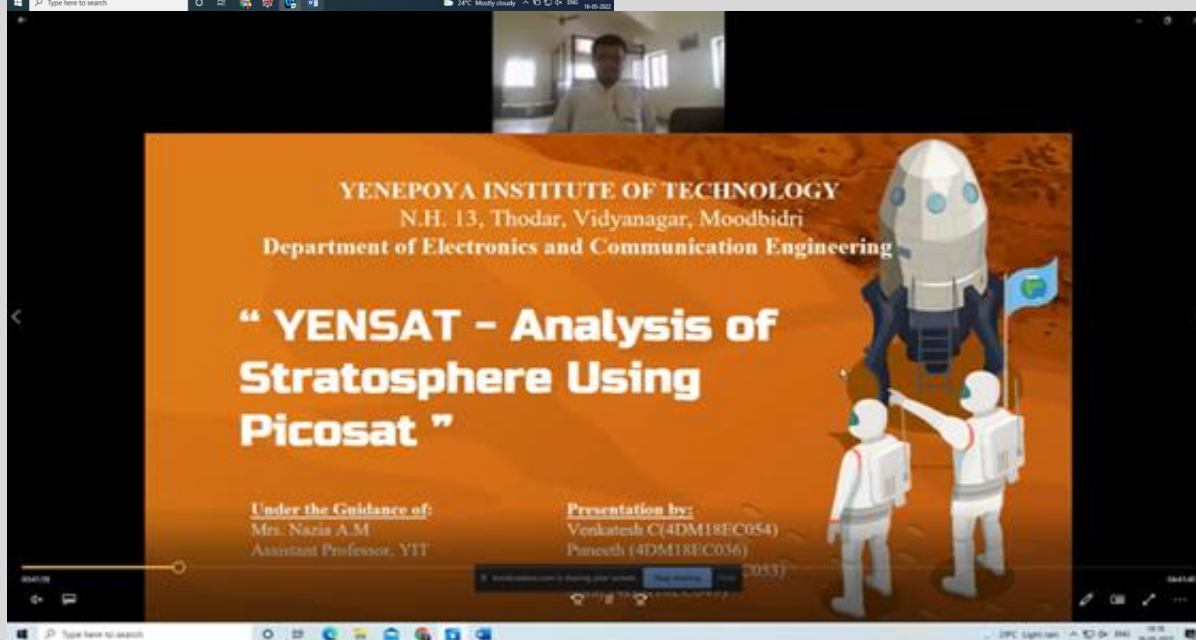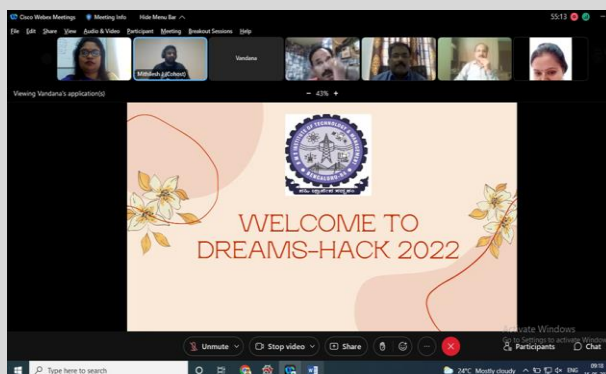

Skill Development Program

Dept of ETE organized Skill Based Development On Intel FPGA Design and Implementation from 21.4.2022 to 7.5.2022 by the resource person Mr. Padmanaban Kalyanaraman Intel University Alliance Program Coordinator Bangalore . The course was delivered on "An insight on learning about FPGA and their design implementation with SOC Design" by the Coordinators Prof. Sowmyashree M S, Prof Pratibha N

Dept of ETE organized DREAMS-HACK 2022, The event was an intensive, ideation, prototyping and presentation challenge on known or unknown problems or opportunities. Dreams-Hack is conducted in two phases. Phase 1 was conducted online on 16.05.2022. The event was inaugurated by our respected Principal Dr.Mohan Babu G N, the Judges for the event, Mr.Vinayaka Babu, Managing Director 4Semi Technology Pvt. Ltd and Mr.Mithilesh Jaganathan, System Architect, Honeywell and Dr. Raju Hajare , Associate Professor & HoD, Dept. of ETE. The event was coordinated by Dr.Thejaswini S, Dr. Sumathi M S and Prof. Prathibha N, Assistant Professor, Dept. of ETE, Mr. H N Prakash foremen Dept. of ETE and Mrs. Geetha N,Assistant Instructor,Dept. of ETE. The student coordinators for the event were Ms. Naivedya and Ms. Vandana 6th semester students.

NATIONAL LEVEL STUDENT EVENT (Phase-II)

DREAMS HACK-2022

Department of Electronics and Telecommunication Engineering (ETE) of BMS Institute of Technology & Management, provided a wonderful opportunity for Engineering students' community to showcase their innovative ideas and project building skills by conducting DREAMS HACK-2022, a student flagship event.

DREAMS HACK-2022, has been conducted in phased manner, and both phases went on to be an extremely successful, with over 57 Teams consisting of 240 students participating during first phase of evaluation from various corners of Karnataka state and outside state as well. The DREAMS HACK-2022 was a platform created with the intent of allowing students to explore and present their creativity IDEA and project skills.