



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(Autonomous Under VTU)

Department of Electronics and Communication Engineering

WAVES

Volume-8, Issue-2

Newsletter Date: 15th August 2022

Period: February 2022 to July 2022

DEPARTMENT VISION

Be a pioneer in providing quality education in electronics, communication and allied engineering fields to serve as valuable resource for industry and society

DEPARTMENT MISSION

- Impart sound theoretical concepts & practical skills through innovative pedagogy
- Promote interdisciplinary research
- Inculcate professional ethics

PROGRAMME EDUCATIONAL OBJECTIVES

- Work as Professionals in the area of electronics and communication and allied engineering fields
- Pursue higher studies and involve in interdisciplinary research work
- Exhibit ethics, Professional skill and leadership qualities in their profession



Message from Head of the Department

The Department of Electronics and Communication Engineering is showing consistent improvement in its academic, research and placement performance. It offers a range of innovatively designed programs like open courses and value added courses whose curricula are constantly updated to meet the changing requirement of the industry and to meet the needs of major stakeholders. We believe that our students have been well accepted in their job profiles and have consistently exceeded expectations of the corporate world. The department of Electronics and Communication Engineering brings out its bi-annual newsletter "WAVES" every semester. The Department is releasing its Volume-8, Issue-2, covering faculty and students' achievements for the period of February 2022 to July 2022. I Hope this will give motivation and encouragement for both students and faculty to excel further in their respective fields. I also congratulate the editor team members for their efforts, hard work and precise coverage of the information. I wish them all the best.

Happy reading!

Dr. Jayadeva G S
Professor & Head
Department of ECE, BMSIT&M

Faculty Awards

- ❖ Dr. Saneesh C T, Associate Professor, ECE Department awarded with Ph. D degree for the thesis titled "Modeling and Analysis of EEG Signals and its application to characterize transient effects" during VTU 21th annual convocation held on 10.03.2022.



- ❖ Department of ECE organized open courses from 13.06.2022 to 17.06.2022. These courses add value to the existing courses which enable the students acquire all the graduate attributes (POs) to become successful professionals. Total of 3 courses were offered by the department namely Software Testing, Artificial Intelligence in 5G Technology and Network, Communication and IOT.

Memorable Moments and Best practices

- ❖ Department of Electronics and Communication Engineering conducted parent-teachers meeting on 26/02/2022 in offline mode. First semester students parents and third semester lateral entry students parents informed to attend the meeting at 10.30 am. A Total of 70 parents participated in the meeting.



Course name	Software Testing	Artificial Intelligence in 5G Technology	Network, Communication & IOT
Faculty in-charge	Prof. Ravindra V Asundi Prof. Suryakanth B M Prof. Shivarudraiah B	Dr. Rashmi N	Prof. Asha Hagargund Dr. A. Shobha Rani Dr. Deepa N Reddy
Total registration	13	18	23





❖ Department of ECE arranged a farewell party for the outgoing students of 2018 admitted batch (8th semester) on 30.06.2022 from 2pm onwards. Some of the students recalled their memories during their tenure of 4 years in the department and appreciated the faculty and staff members. The event was supported by 6th semester students.



❖ Department of Electronics and Communication Engineering, BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Avalahalli, Yelahanka, Bengaluru organized a BMSIT open day on 09.07.2022 in physical mode and students of IV and VI semester exhibited their projects. The projects exhibited the student's ability to apply their learning to solve the real world problems. This semester around 98 PBL batches participated in PBL exhibition and 18 Projects were selected for second round of evaluation. These projects were presented on open day and evaluated by panel members consisting of external (from industry) and internal members based on various rubrics.



❖ NBA expert committee has visited Department of Electronics and Communication Engineering from 15.07.2022 to 17.07.2022 to evaluate the UG programme for OBE accreditation.



❖ LIC expert team has visited Department of Electronics and Communication Engineering on 09.07.2022 with respect to grant of Affiliation/Recognition of research centre for the academic year 2022-23.



Faculty as resource person

- ❖ Dr. Anitha V.R., Associate Professor, Department of ECE participated as a Resource person for the Faculty Development Program on "Effective Research Article Writing & Publishing" on 07.04.2022 organized by Department of Mechanical Engineering, DMI College of Engineering, Chennai.

Reviewer for Journal / Conference

- ❖ Dr. Anitha V.R, Associate Professor, Department of Electronics and Communication Engineering is a

reviewer for the Cluster Computing Journal.

- ❖ Dr. Anitha V.R, Associate Professor, Department of Electronics and Communication Engineering is a reviewer for the African Journal of Engineering.
- ❖ Prof. Shilpa Hiremath, Assistant Professor, Department of ECE is a reviewer for Book titled "Handbook of Research on Aiding Forensic Investigation through Deep Learning and Machine Learning Frameworks". Chapter title: Crime Prediction from Video Surveillance Using Deep Learning.
- ❖ Dr. Anitha V.R, Associate Professor, Electronics and Communication Engineering is a Jury Panelist for the contribution to the South Indian ASDF Awards (SIAA) 2022, London, UK.
- ❖ Dr. Anitha V.R, Associate Professor, Department of Electronics and Communication Engineering is a Reviewer for the 2nd IEEE International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME) which will take place in Maldives from 16.11.2022 to 18.11.2022.
- ❖ Dr. Anitha V.R, Associate Professor, Department of Electronics and Communication Engineering is a Technical Review Committee Member of International Conference on HIV/AIDS Prevention and Control 2023 which is scheduled to happen at Singapore, Asia on 11.03.2023 and 12.03.2023.
- ❖ Dr. Ambika R, Professor, Department of Electronics and

Communication Engineering was a reviewer for 2022 IEEE International Conference on Distributed, Computing, Electrical Circuits and Robotics (DISCOVER), JNN College of Engineering, Shivamogga.

- ❖ Dr. C S Mala, Professor, Department of Electronics and Communication Engineering was a reviewer for 2022 IEEE International Conference on Distributed, Computing, Electrical Circuits and Robotics (DISCOVER), JNN College of Engineering, Shivamogga.
- ❖ Dr. Anitha V.R, Associate Professor, Department of Electronics and Communication Engineering is a Technical Review Committee Member for the International Conference on Smart Materials Technologies 2023 will take place in London, United Kingdom on 13.05.2023 and 14.05.2023.
- ❖ Dr. Anitha V.R, Associate Professor, Electronics and Communication Engineering is a Technical Review Committee Member of International Conference on Tourism, Economics, and Business Sciences 2023 which is scheduled to happen at London, United Kingdom on 13.05.2023 and 14.05.2023.
- ❖ Dr. Anitha V.R, Associate Professor, Electronics and Communication Engineering is an Advisory / Review Committee member in the 3rd International Conference on Sentiment Analysis and Deep Learning (ICSADL 2023) will be organized by Tribhuvan University, Nepal is held from 17.04.2023 to 18.04.2023.

Faculty Internship

- ❖ Prof. Laxmisagar HS, Assistant Professor, Department of ECE has undergone industry internship MSB Automation and Controls, Bangalore from 07.03.2022 to 18.03.2022.
- ❖ Dr. Rashmi N, Assistant Professor, Department of ECE has undergone industry internship at Airbotica pvt. Ltd, Bangalore from 07.03.2022 to 18.03.2022.

Publications in International Journal & Conferences

- ❖ Shilpa Hiremath, Dr. A Shobha Rani. "Assorted noise identification and removal technique to obtain enhanced image using CLAHE technique". Gisscience Journal 9, no. 3 (2022): 921-928.
- ❖ Ravindra V Asundi. "IoT based smart shopping cart". IJME Journal 7, no. 2 (2022) 3935-3938.
- ❖ Saneesh Cleatus Thundiyl. "Big EEG Data Images for Convolutional Neural Networks". The 2021 IEEE Signal Processing in Medicine and Biology Symposium organized by SERC, Temple University, Philadelphia, USA, December 4, 2021.

Book Chapter

- ❖ Dr. Anitha V.R., Associate Professor, Department of ECE published an article "X-band miniaturized frequency reconfigurable travelling wave

antenna", International Journal of Electronics Letters, April 2022. DOI: 10.1080/21681724.2022.2068194. (IF: 1.00).

Online Course completed by faculty

- ❖ Prof. Shivarudraiah B, Assistant Professor, Dept. of ECE completed an online course on Hyperspectral and Microwave Remote Sensing Techniques for Geological Studies at IIRS, ISRO.
- ❖ Dr. Ambika R, Professor, Department of ECE has successfully completed NPTEL online certification course on Block chain and its Applications held from Jan-April 2022.

FDP attended by faculty

- ❖ Dr. C S Mala, Professor, Department of ECE attended one week Faculty Development Programme on "Advances in Characterization Techniques and Applications: A Material Science Perspective" jointly organized by Department of Biotechnology and Department of Chemistry, Ramaiah Institute of Technology, Bengaluru-560054, Karnataka, India in association with Shriram Institute of Industrial Research, Bengaluru-

560067 from 07.03.2022 to 12.03.2022.

- ❖ Dr. Ambika R, Professor, Department of ECE attended one week Faculty Development Programme on "Advances in Characterization Techniques and Applications: A Material Science Perspective" jointly organized by Department of Biotechnology and Department of Chemistry, Ramaiah Institute of Technology, Bengaluru-560054, Karnataka, India in association with Shriram Institute of Industrial Research, Bengaluru-560067 from 07.03.2022 to 12.03.2022.

OBE activity

- ❖ Dr. Vijayalakshmi G V, Associate Professor, Department of ECE conducted mini project presentation and demonstration for the course Basic Electronics Engineering for 1st semester H section students from 30.03.2022 to 01.04.2022 in R and D Lab, 2nd floor, Academic Block. The topics include Gas leakage detection, Voice controlled robot, Cell phone signal jammer, Finger print security system, Foot step power generator, RFID based attendance system, Motion detection using PIR sensor etc.



Department Project & Internship work presentations

- ❖ Final year phase-2 final review project presentation



No. of Batches	Dates	No. of Students	Domains
56	18.06.2022 & 20.06.2022	214	Biomedical Signal Processing, Automation, Data security, Robotics, Machine learning application in health care, Image processing applications, Embedded Systems.

❖ Final year Internship work presentation



Dates	No. of Students	Domains
10.06.2022 & 11.06.2022	214	IoT, Machine Learning, Web Design, Embedded systems, technology consultation, programming in Java, programming in Python

Edited & Compiled by
Shivarudraiah B
Assistant Professor
Department of ECE
BMSIT&M
E-mail:shivab@bmsit.in