

BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Autonomous Under VTU)

Department of Electronics and Communication Engineering

WAVES

Volume-8, Issue-1

Newsletter Date: 15th February 2022

Period: August 2021 to January 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-1, covering faculty and students’ achievements for the period of August 2021 to January 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. Anitha V.R, Associate Professor, Electronics and Communication Engineering received a best reviewer award for the contribution to ICCCEG 2021 as technical reviewer from ASDF, UK.

Memorable Moments and Best practices

- ❖ Department of Electronics and Communication Engineering has celebrated Ayudha pooja on 13.10.2021.
- ❖ The first meeting of Board of Studies (BOS) of Circuit branches (Electronics and Communication Engineering, Electronics and Telecommunication Engineering, Electrical and Electronics Engineering) has been conducted on 09.10.2021 at 10.00 am in the Second Floor Seminar Hall of Academic Block.

Following were the important members present during the meeting.

1.	Dr. Jayadeva .G .S, HoD, ECE	Chairperson
2.	Dr. Raju Hajare, HoD, ETE Department	Member
3.	Dr. Ramarao, HoD, EEE Department	Member
4.	Dr. Madhavarao, IIIT-Bangalore/Dr. Prabhakar Mishra, Consultant	External Member
5.	Dr. M. S. Bhat, National Institute of Technology, Surathkal	External Member
6.	Dr. K. Vishwanath, Professor, Department of Telecommunication Engineering, SIT, Tumkur	External Member
7.	Mr. Vinayaka Babu, MD, 4Semiconductors, Bengaluru	External Member
8.	Mr. Srikanth, Mercedes Benz, Bengaluru	External Member



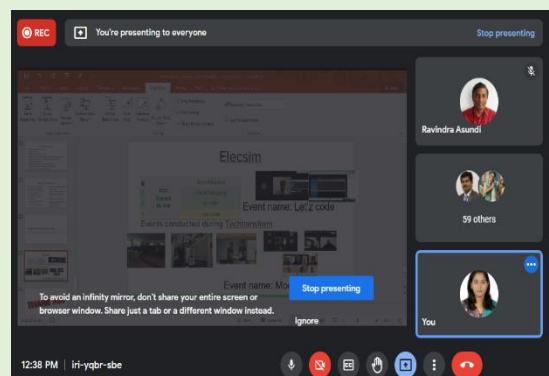
The external members of the committee gave various inputs and suggestions to improve the curriculum, including preparing the students for a competitive environment and facing real-world problems. The meeting was held for more than 3 ½ hours, with all the stakeholders' constructive input and suggestions.

- ❖ Department of Electronics and Communication Engineering conducted an e-student induction programme for first year students from 17.12.2021 to 31.12.2021 in line with the AICTE guidelines.

On day two, students were introduced to all the clubs at institute and department level, briefing about necessity and advantages in joining the club was mentioned.

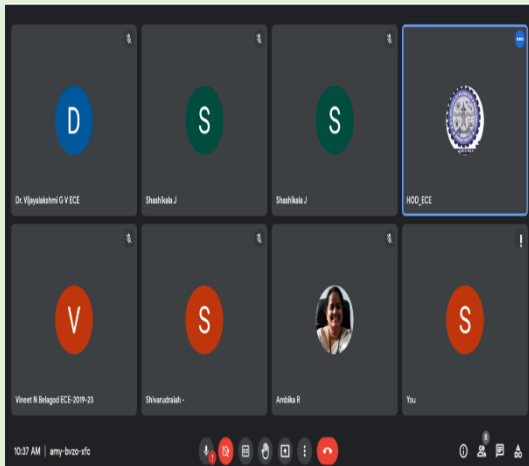
Dr. Jayadeva G S Head of the department and Dr. Anitha V R introduced students to the department of Electronics and Communication and also briefed about the importance of the department by mentioning various fields where students after

graduating as an electronics and communication engineer can apply it in solving the real-life problems. Later, the session was carried out by Dr. Jojoy Joseph Idicula, Chief proctor and Dr. Shobha Rani departmental proctor coordinator where the students were briefed about the proctoring system. The class teachers and proctors introduced themselves to the students.



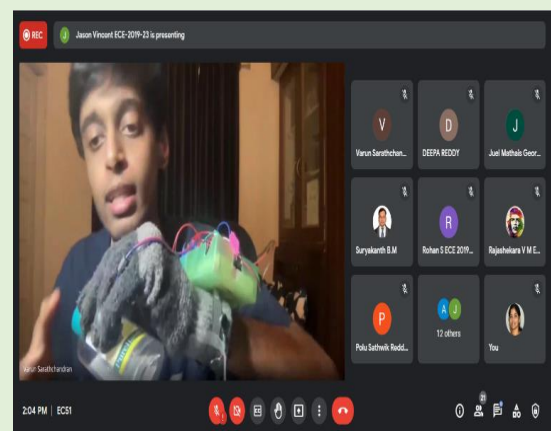
- ❖ Department of ECE conducted Parents Teacher Meeting (PTM) through online platform using GOOGLE MEET on 04.12.2021

between 10.15AM -11:00AM for 4th, 6th and 8th semester student parents. Course coordinators shared the information about their wards and informed the parents also to monitor them during online classes and tests.



- ❖ Department of Electronics and Communication Engineering conducted an OPEN DAY on 07.01.2022 and 08.01.2022 for 3rd and 5th semester students to showcase the students Projects under Project Based Learning (PBL). Students exhibited their PBL projects which prove the student's ability to apply their learning skills to solve the real world problems. More than 100 projects were

demonstrated. The projects were mainly based on Robotics, IOT, Applications using Arduino, Web development applications using Java and Python, Image processing etc.



Faculty as resource person

- ❖ Prof. Mamatha K R, Assistant professor, Dept. of ECE, has extended his support as a resource person for "Basics of Image

processing using MATLAB” on 25.08.2021 at UBDTCE, Davanagere.

- ❖ Dr. M. C. Hanumantharaju, Professor, Department of ECE, has extended his support as a resource person for “Fundamentals and Applications of Digital Image Processing” on 27.09.2021 at SJC Institute of Technology, Chickballapur.

Board of Examiners

- ❖ Dr. Anitha V R, Associate Professor, Department of ECE is an External Board of Studies Member in Electronics and Communication Engineering, Srinivasa Institute of Technology and Management Sciences, Chittoor.
- ❖ Dr. Jayadeva G S, Professor and Head, Department of ECE is a Board of Examiners Member for EC/TC/MT board, VTU, Belagavi for the year 2021-22.

Out Reach Activity

- ❖ Prof. Thyagaraj T, Assistant Professor, Department of Electronics and Communication

Engineering has extended his support for Village survey to improve sanitation on 24.11.2021 at Kundana village, Bengaluru.

Reviewer for Journal / Conference

- ❖ Dr. Anitha V R, Associate Professor, Department of ECE was a reviewer for International Journal of Electronics. [SCOPUS].
- ❖ Dr. Anitha V R, Associate Professor, Department of ECE was a reviewer for International Journal of Informatics and Communication Technology (IJ-ICT). [SCOPUS]
- ❖ Dr. Anitha V R, Associate Professor, Department of ECE was a reviewer for IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS).
- ❖ Dr. Anitha V R, Associate Professor, Department of ECE was a reviewer for Indian Conference on Antennas and Propagation (InCAP) 2021.
- ❖ Dr. Anitha V.R, Associate Professor, Electronics and Communication

Engineering was a reviewer for 2nd International Conference on Symposium, Information and Computing (ISAIC 2021) will be held from 03.12.2021 to 06.12.2021. [SCOPUS]

❖ Dr. Anitha V.R, Associate Professor, Electronics and Communication Engineering is a Advisory/reviewer committee member for 4th International Conference on Inventive Research in Computing Applications (ICIRCA 2022) will be organized by R V S College of Engineering and Technology, Coimbatore, India during 21.09.2022 to 23.09.2022.

❖ Dr.Anitha V.R, Associate Professor, Electronics and Communication Engineering is a Technical Program Committee Member of co-located Conferences for IEEE WIECON- ECE, IEEE SPICSCON, IEEE BECITHCON, IEEE PEEIACON, IEEE RAAICON by IEEE Bangladesh Section in collaboration with relevant Society Chapters and Affinity Groups during 03.12.2021 to 06.12.2021.

❖ Dr.Anitha V.R, Associate Professor, Department of Electronics and Communication Engineering is a reviewer for The Hertz Journal of Engineering will be held from 03.12.2021 to 06.12. 2021.

❖ Dr.Anitha V.R, Associate Professor, Department of Electronics and Communication Engineering is a Advisory/reviewer for International Conference on Augmented Intelligence and Sustainable Systems ICAISS-2022 organized by CARE College of Engineering, Trichy, India from 24.11.2022 to 26.11. 2022.

Faculty Internship

❖ Dr. Ambika R, Professor, Department of ECE has undergone industry internship at Technilab Instruments, Bangalore from 19.08.2021 to 31.08.2021.

❖ Prof. Saneesh Cleatus T, Associate Professor, Department of ECE has undergone industry internship at Green Semiconductors, Bangalore from 19.08.2021 to 31.08.2021.

- ❖ Prof. Shilpa Hiremath, Assistant Professor, Department of ECE has undergone industry internship at BVG Laboratories, Bangalore from 19.08.2021 to 31.08.2021.
- ❖ Prof. Chandra Prabha R, Assistant Professor, Department of ECE has undergone industry internship at BVG Laboratories, Bangalore from 19.08.2021 to 31.08.2021.
- ❖ Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has undergone industry internship at Airobotica, Bangalore from 19.08.2021 to 31.08.2021.
- ❖ Dr. Anitha V R, Associate Professor, Department of ECE has undergone industry internship at Vijay Technologies, Bangalore from 19.08.2021 to 31.08.2021.
- ❖ Prof. Shashikala.J, Assistant Professor, Department of ECE has undergone industry internship at Technical Instruments, Bangalore from 19.08.2021 to 31.08.2021.
- ❖ Prof. Suryakanth B, Assistant Professor, Department of ECE has undergone industry internship at Aspartika Biotech, Bangalore from 23.08.2021 to 27.08.2021.
- ❖ Dr. M. C. Hanumantharaju, Professor, Department of ECE has undergone industry internship at Educraft Technologies Pvt. Ltd., Bangalore from 19.08.2021 to 31.08.2021.
- ❖ Dr. Amit Kumar, Assistant Professor, Department of ECE has undergone industry internship at Pragmatic Embedded Systems, Bangalore from 19.08.2021 to 31.08.2021.
- ❖ Dr. Prachi Sharma, Assistant Professor, Department of ECE has undergone industry internship at Pragmatic Embedded Systems, Bangalore from 19.08.2021 to 31.08.2021.
- ❖ Dr. Surekha R. Gondkar, Associate Professor, Department of ECE has undergone industry internship at MSB automation and controls, Bangalore from 19.08.2021 to 31.08.2021.

Student Internship

- ❖ Amulya C S (1BY19EC190), student, 5th semester, Department of ECE has undergone industry internship at I Triangle infotech, Bangalore from 01.09.2021 to 30.09.2021.
- ❖ Harshitha (1BY19EC186), student, 5th semester, Department of ECE has undergone industry internship at I Triangle infotech, Bangalore from 01.09.2021 to 30.09.2021.
- ❖ N S K K K Naga Jayanth (1BY19EC098), student, 5th semester, Department of ECE has undergone industry internship at The Sparks Foundation, Bangalore from 01.09.2021 to 30.09.2021.
- ❖ Manohar Nayak K (1BY19EC106), student, 5th semester, Department of ECE has undergone industry internship at I Triangle infotech, Bangalore from 01.09.2021 to 30.09.2021.
- ❖ Vaidyanathan K (1BY19EC185), student, 5th semester, Department of ECE has undergone industry internship at P V Education

Internship, Bangalore from 01.09.2021 to 30.09.2021.

International Journal & Conference Publications

- ❖ Dr. Anitha V.R. "Parametric Analysis of Compact UWB-MIMO Antenna with Improved Isolation Using Parasitic Reflectors and Protruded Ground Strips". Wireless Personal Communications (2021).
- ❖ Saneesh Cleatus Thundiylil. "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

- ❖ Shilpa Hiremath, Chandra Prabha R., Sushil Kumar I. 2021. "Advancing the investigation & treatment of sleep disorders using AI". DOI: 10.4018/978-1-7998-8018-9.ch009

FDP attended by faculty

- ❖ Dr. Anitha V R, Associate Professor, Department of ECE attended ATAL AICTE Sponsored One week FDP on "Recent Trends in Bio-MEMS and Medical Microdevices: From Devices to Applications" organized by the Department of ECE, NIT Silchar during 20.08.2021 to 24.08.2021.
- ❖ Mamatha K R, Assistant Professor, Department of ECE attended three day workshop on "Document Preparation using LaTeX" by Dr. Sajil C K, IIT Madras, from 19.11.2021 to 21.11.2021, organized by A2Z Edulearning Hub.

OBE activity

- ❖ Dr. Ambika R, Professor, Dept. of ECE conducted poster presentation for the course Principles of Communication Systems for 5th semester A and C section students from 27.12.2021 and 31.12.2021.
- ❖ Shivarudraiah B and Suryakanth B, Assistant Professors, Dept. of ECE conducted poster presentation for

the course Verilog HDL for 5th semester A and B section students from 27.01.2022 and 31.01.2022.

Online Course completed by faculty

- ❖ Suryakanth B, Assistant Professor, Dept. of ECE completed an online course on Ultimate AWS certified solutions Architect Associate 2022 at Udemy.

Webinars Attended by faculty

- ❖ Dr. Anitha V.R., Associate Professor, Department of ECE attended Navjivan Center for Development Sponsored Webinar on "Feature Funding Opportunities for NGOs and Academic Institute- September-2021", on 15.09.2021.

Department Project presentations

- ❖ PBL PHASE-1 presentation

No. of Batches	Date	No. of Students Participated	Description (Brief Domains)
110	30.11.2021	372 students,	IOT, Robotics,

		174 from IV sem and 198 from VI sem	Embedded system , Android application development
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❖ Final year project synopsis and phase-1 presentations

No. of Batches	Dates	No. of Students Participated	Description (Brief Domains)
55	08.11.2021, 31.12.2021 & 01.01.2022	200	Biomedical Signal Processing, Automation, Data security, Robotics, Machine learning application in health care, Image processing applications, Embedded Systems.

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