



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Department of Electronics and Communication Engineering

WAVES

Volume-7, Issue-2

Newsletter Date: 15th August 2021

Period: February 2021 to July 2021

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-7, Issue-2, covering faculty and students’ achievements for the period of February 2021 to July 2021. 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

HOMAGE



Prof. Hamsavahini R
Assistant Professor, ECE Department
Service in BMSIT&M: 04/02/2008 to 05/05/2021

A VERY PROACTIVE, KIND HEARTED AND ENERGETIC PERSON.....

WE ALL MISS YOUR PRESENCE BUT ALWAYS WILL BE IN OUR HEART.....

UNSEEN, UNHEARD BUT ALWAYS NEAR, STILL LOVED AND STILL MISSED.....

MAY YOUR SOUL REST IN PEACE.

Faculty & Student

Awards

- ❖ ADHYA RAO bearing USN 1BY16EC005 has secured University level 4th rank with CGPA of 9.31



- ❖ HARSHITA V M bearing USN 1BY16EC033 has secured University level 8th rank with CGPA of 9.25.



- ❖ Dr. Surekha Gondkar, Associate Professor, ECE Department awarded with Ph.D degree during VTU 20th annual convocation held on 3rd April 2021.
- ❖ Dr. Rashmi N, Assistant Professor, ECE Department awarded with Ph.D degree during VTU 20th annual convocation held on 3rd April 2021.
- ❖ Dr. Robin Singla, Assistant Professor, ECE Department awarded with Ph.D degree from IIT, Bombay during February 2021.

- ❖ ECE students namely Krishan Bajpai (Team Leader), Anisha lakshmi G R, Anjali U Patil and Aayushi Singhvi who were a part of interdisciplinary team from ECE and CSE has proudly made it to the IICDC Conclave Top 60 Winners on 31.05.2021 through 1:1 Virtual Evaluations of 'DST & Texas Instruments (TI) Inc. India Innovation Challenge Design Contest 2019', anchored by the N S Raghavan Centre for Entrepreneurial Learning (NSRCEL) an Indian Institute of Management (IIM), Bangalore, start-up incubation centre.

Memorable Moments and Best practices

- ❖ Department of Electronics and Communication Engineering conducted orientation program for first semester students on 18.02.2021 from 1.45pm to 4.15pm at second floor seminar hall. The program started with welcome address and introduction by head of the department Dr. Ambika R. It was followed by motivational talk by Dr. C. S. Mala, Professor, ECE and Dean Student welfare. Mr. Gopalakrishna, Chief librarian introduced about the rules and regulations of library. Dr. Deepa Reddy, Asst. Professor Department of ECE and Dr. Ambika R, HoD, ECE presented the rules and regulations and various activities of the department. Mr. Ravindra Asundi, Asst.

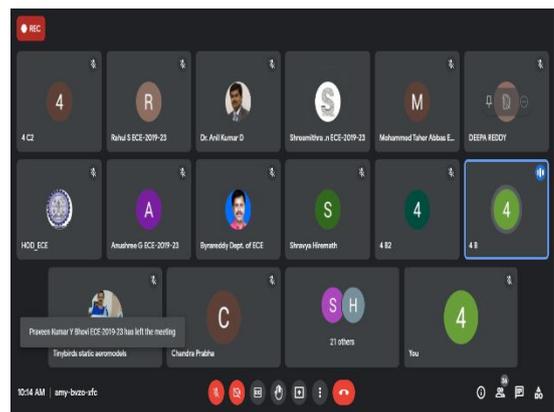
professor, ECE, briefly explained about the various clubs and proposed vote of thanks.



❖ Department of ECE organized open courses between 01.06.2021 to 05.06.2021. These courses add value to the existing courses which enable the students acquire all the graduate attributes (POs) to become successful professionals. Total of 6 courses were offered by the department.

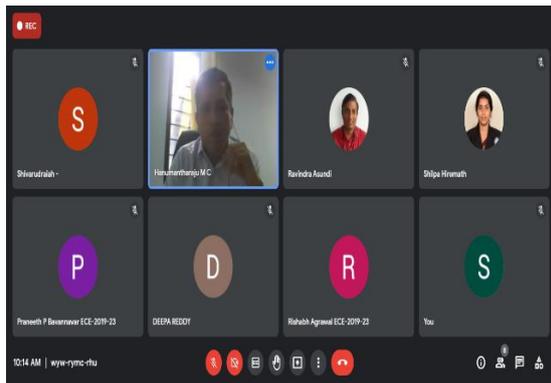


❖ Department of ECE conducted Parents Teacher Meeting (PTM) through online platform using GOOGLE MEET on 12.06.2021 for 4th, 6th and 8th semester student parents. Course coordinators shared the information about their wards and informed the parents also to monitor them during online classes and tests. The parents were happy about the effective conduction of the online classes and appreciated the efforts of BMSITM and reported about the occasional connectivity issues.



❖ Department of ECE conducted Parents Teacher Meeting (PTM) through online platform using GOOGLE MEET on 10.07.2021 from 10.00 to 10.30 am 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. Parent of Mr. Dhruva shankar Reddy enquired about

when the college starts offline classes, HoD replied that dates are not known and we are waiting for the University Circular in this context. The parents were happy about the effective conduction of the online classes.

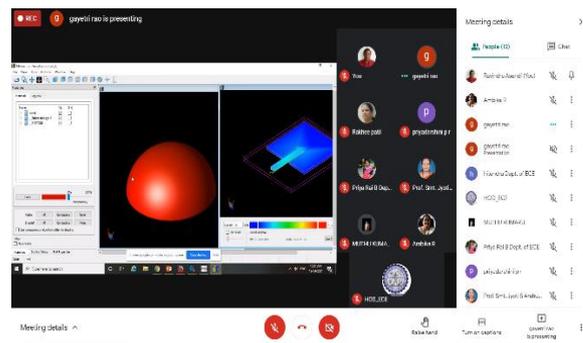


- ❖ Department of Electronics and Communication Engineering, organized a BMSIT Open day on 30.07.2021 and 31.07.2021 for IV and VI semester students to exhibit their projects. This virtual project exhibition is a reflection of student's ability to apply their learning to solve the real world problems.



FDP organized by the department

- ❖ Department of ECE, BMSIT&M organized a 5 days FDP on "Antenna Design: Tools and Techniques" from 07.04.2021 to 12.04.2021. About 22 participants from various colleges have undergone the FDP.



Faculty as resource person

- ❖ Dr. Mala C S, Professor, Department of ECE has extended her support as resource person" on 21.02.2021 for webinar titled "Hope- a Depleted Resource" organized by The Bahai community, Bengaluru.
- ❖ Prof. Saneesh Cleatus T, Associate Professor, Dept. of ECE, has extended his support as a resource person for "Second Signal Processing Research and Innovation Conclave" on 14.06.2021 at IEEE Bangladesh Section at IEEE SPS branch, BUET.
- ❖ Dr. Mala C S, Professor, Department of ECE has extended her support as resource person for "National level

webinar series on innovative technologies” on 18.06.2021 organized by Sir. MVIT, Bengaluru.

- ❖ Dr. Amit Kumar, Assistant Professor, Dept. of ECE, has extended his support as a resource person for a national level FDP on “Antenna Design and Printing for Practical Applications” on 27.06.2021 at BNM Institute of Technology, Bengaluru.
- ❖ Prof. Ravindra V Asundi, Assistant Professor, Dept. of ECE, has extended his support as a resource person on “Evolution of online Teaching platforms during COVID-19 pandemic: opportunities and challenges” on 28.06.2021 at Bengaluru.
- ❖ Dr. C S Mala, Professor & Dean student welfare, Dept. of ECE has extended her support as a resource person for open course on “Applied Embedded systems and Internet of Things” on 01.06.2021 at BMS Institute of Technology and Management.

Reviewer for Journal / Conference

- ❖ Dr. Ambika R, Professor, Department of ECE was a reviewer for Journal for Engineering Science and Technology.

- ❖ 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. Anitha V R, Associate Professor, Electronics and Communication Engineering was a reviewer for International Journal of Informatics and Communication Technology (IJ-ICT). [SCOPUS]
- ❖ Dr. Anitha V R, Associate Professor, Electronics and Communication Engineering has extended their support as an Advisory/Review Committee in the International Conference on Augmented Intelligence and Sustainable Systems (ICAISS 2022) from 20.07.2021 to 22.07.2021 at CARE College of Engineering, Tamilnadu, India.

Expert talk organized

- ❖ Department of Electronics and Communication Engineering, 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.

Faculty Internship

- ❖ Prof. Hamsavahini R, Assistant Professor, Department of ECE has undergone industry internship at Reliable Network Technologies, Bangalore from 12.03.2021 to 25.03.2021.
- ❖ Dr. Rashmi N, Assistant Professor, Department of ECE has undergone industry internship at Reliable Network Technologies, Bangalore from 12.03.2021 to 25.03.2021.
- ❖ Prof. Shivarudraiah B, Assistant Professor, Department of ECE has undergone industry internship at G H global computers, Bangalore from 12.03.2021 to 25.03.2021.
- ❖ Prof. Ravindra V Asundi, Assistant Professor, Department of ECE has undergone industry internship at G H global computers, Bangalore from 10.03.2021 to 23.03.2021.
- ❖ Dr. Anil kumar D, Associate Professor, Department of ECE has undergone industry internship at Aspartika Biotech Pvt Ltd, Bangalore from 08.03.2021 to 19.03.2021.
- ❖ Prof. Suryakanth B, Assistant Professor, Department of ECE has undergone industry internship at Aspartika Biotech Pvt Ltd, Bangalore from 08.03.2021 to 19.03.2021.
- ❖ Dr. Robin Singla, Assistant Professor, Department of ECE has undergone industry internship at PathShodh Healthcae Pvt. Ltd, Bangalore from 08.03.2021 to 18.03.2021.
- ❖ Prof. Thyagarajan. T, Assistant Professor, Department of ECE has undergone industry internship at Prajwal Enterprises, Bangalore from 08.03.2021 to 19.03.2021.
- ❖ Dr. A. Shobha Rani, Associate Professor, Department of ECE has undergone industry internship at Codemonk, Bangalore from 15.03.2021 to 26.03.2021.
- ❖ Prof. Dr. Deepa N Reddy, Assistant Professor, Department of ECE has undergone industry internship at Sri Manjubashini Pvt Ltd, Bangalore from 15.03.2021 to 26.03.2021.
- ❖ Prof. Vinutha B, Assistant Professor, Department of ECE has undergone industry internship at Sri Manjubashini Pvt Ltd, Bangalore from 15.03.2021 to 26.03.2021.
- ❖ Prof. Jagannatha K B, Assistant Professor, Department of ECE has undergone industry internship at IntraMart Business Solutions India Private Limited, Bangalore from 17.03.2021 to 27.03.2021.

- ❖ Prof. Sabina Rahaman, Assistant Professor, Department of ECE has undergone industry internship at IntraMart Business Solutions India Private Limited, Bangalore from 17.03.2021 to 27.03.2021.
- ❖ Prof. Mamatha K R, Assistant Professor, Department of ECE has undergone industry internship at MSB automation and controls, Bangalore from 15.03.2021 to 26.03.2021.
- ❖ Dr. Dankan Gowda V, Assistant Professor, Department of ECE has undergone industry internship at Airobotica, Bangalore from 22.03.2021 to 31.03.2021.

Student Internship

- ❖ Prateek walia, Student, 6th semester Department of ECE has undergone industry internship at Entuple Technologies from 17.03.2021 to 24.04.2021.
- ❖ Monisha Somashekar, Student, 6th semester Department of ECE has undergone industry internship at Entuple Technologies from 17.03.2021 to 24.04.2021.
- ❖ Bharath C R, Student, 6th semester Department of ECE has undergone industry internship at Nagbridge Technologies from 03.03.2021 to 07.04.2021.
- ❖ Ahiraj S, Student, 6th semester Department of ECE has undergone industry internship at Agimus Technologies Pvt. Ltd from 15.03.2021 to 15.04.2021.
- ❖ Dhanyalakshmi K N, Student, 6th semester Department of ECE has undergone industry internship at Gustovalley Technovations from 19.03.2021 to 19.04.2021.

International Journal

Publications

- ❖ Shilpa Hiremath, Dr. A. Shobha Rani, "Identification of noise in an Image using Artificial Neural Network", International Journal of Engineering Research & Technology (IJERT), Vol. 10, Issue 2, February 2021.(Scopus)
- ❖ Saneesh Cleatus T and Thungamani M "Classification of EEG Signals using Nonlinear Features and preprocessing Techniques", International Journal of Engineering and Advanced Technology 10, no. 5 (2021): 297-301.
- ❖ Rashmi N, et.al, "Radar maneuvering target classification using Deep learning", GIS SCIENCE JOURNAL 8,no.7 (2021): 1869-9391.
- ❖ Rashmi N, et.al, "Comparative Analysis on Fall Detection of Elderly People", Design Engineering (2021): 1143-1147.
- ❖ 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.

- ❖ Mamatha K R, Akash, Chethan, Siddesh, Debanshu. "Placement management system", Journal of Chengdu University of Technology 26, no.7 (2021).
- ❖ G S 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.
- ❖ 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).
- ❖ 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.
- ❖ Megha Jain, N S Sindhura, Nannapaneni Kaavya, Shruthi S, Dr. Jayadeva G S "Steganography 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 05.07.2021.

Book Chapter

- ❖ Hamsavahini, R., N. Rashmi, R. Sabina, K. B. Jagannatha, C. T. Saneesh, H. S. Laxmisagar, and T. Thyagaraj. 2021. "Study on Memristor and its Applications". New Approaches in Engineering Research Vol. 8, July 2021.
- ❖ Rashmi, N., R. Hamsavahini, and K. R. Mamatha. 2021. "Studies on RF Energy Harvesting for Low Power Devices". New Approaches in Engineering Research Vol. 7, July 2021.

FDP attended

- ❖ Prof. Hamsavahini R, Assistant Professor, Department of Electronics and Communication Engineering participated in AICTE Training and Learning (ATAL) Academy Online FDP Program on "Leadership & Excellence" from 01.02.2021 to 05.02.2021 at Jawaharlal Nehru Technological University College of Engineering, Anantapur, Andhra Pradesh.

National conference

Publications

- ❖ Mamatha K R, Deepthi Pavanika R, Divya Y, Rekha U D, Anusha K, "IOT 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 05.07.2021.

❖ Prof. Shilpa Hiremath, Assistant Professor, Department of Electronics and Communication Engineering participated & completed a successful online FDP Program on "Artificial intelligence using MATLAB" from 23.2.2021 to 25.2.2021 organized by Core el technologies.

❖ Prof. Robin Singla, Assistant Professor, Department of Electronics and Communication Engineering participated in online FDP Program on "Material Characterization, Modelling & Performance Analysis of CMOS Inverter" from 22.02.2021 to 26.02.2021 at BMS college of Engineering.

❖ Dr. Anitha V R, Associate Professor, Department of ECE attended One week FDP on "Precision Healthcare Technology" organized by the Department of Biomedical Engineering, SSN College of Engineering, Chennai from 28.06.2021 to 02.07.2021.

❖ Dr. Anitha V R, Associate Professor, Department of ECE attended AICTE Sponsored One week FDP on "Universal Human Values in Education" organized by the AICTE, Govt. of India from 26.07.2021 to 30.07.2021.

OBE activity

❖ Dr. Ambika R, Professor, Dept. of ECE conducted poster presentation for the course Network and Cyber Security for

eighth semester A section students on 05.06.2021 and 19.06.2021.

Student presentations

❖ Final year Project presentations

No. of Batches	Dates	No. of Students Participated	Brief Domains
55	10.06.2021 12.07.2021 & 13.07.2021	206	Applications using Robots, Biomedical signal processing, Machine learning applications , IoT and embedded systems, Applications in water and air quality monitoring, Biometrics, precision agriculture, smart agriculture, smart Home.

❖ PBL Project presentations

No. of Batches	Dates	No. of Students Participated	Brief Domains
111 batches	10.06.2021 to 30.07.2021 & 31.07.2021	387 students, 196 from 4 th semester and 191 from 6 th semester	IOT, Robotics, Embedded System, Android application development

❖ Final year Seminar presentations

No. of Batches	Dates	No: of Students Participated	Brief Domains
Individual	24.06.2021 to 26.6.2021	206	Applications using Robots, Biomedical signal processing, Machine learning applications , IoT and embedded systems

❖ Final year Internship presentations

No. of Batches	Dates	No. of Students Participated	Brief Domains
Individual	08.07.2021 to 10.07.2021	206	Applications using Robots, Biomedical signal processing, Machine learning applications, IoT and embedded systems

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