‘ येथे बहुतांचे हित ’

MARATHWADA MITRA MANDAL'S
COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

IMPULSE

Table of Contents

MESSAGE FROM HOD

DR. G. S. GAWANDE
HEAD OF DEPARTMENT
ELECTRONICS AND TELECOMMUNICATION
ENGINEERING

Dear Friends,

It's a matter of great pride and satisfaction for MMCOE to bring out the issue of Newsletter released from Department of Electronics & Telecommunication Engineering. A lot of efforts taken by the faculty and students to showcase their talent can be seen in it. The continuous sequel of this Newsletter every semester covering the achievements and activities done in the department is really appreciable. India has made remarkable progress in engineering and technical education in past few years.

We, at Electronics and Telecommunication department of Marathwada Mitramandal's College of Engineering, Pune, believes in imparting the education which empowers our students for welfare of masses. Department is committed to the holistic development of the students.

Department provides a strong industry institute interface for keeping pace with the market requirements. Our Center of Excellence is well aligned with the National Mission of developed India 2047. We create an environment where the students identify and nurture their inherent potential. We know that we have the responsibility to shape-up the future of budding technocrats and to make them thorough professionals.

It gives me a great pleasure to share with you the progress being made by the department through this newsletter.

Marathwada Mitra Mandal's
COLLEGE OF ENGINEERING
Karvenagar, Pune-52

Department of
Electronics & Telecommunication Engineering

Vision: To achieve excellence in Electronics and Telecommunication Engineering by creating competent and skilled graduates for the welfare of society.

Mission:

- Facilitate students with necessary academic preparations in Electronics and Telecommunication Engineering for higher pursuits
- Inculcate team spirit through technical & extension activities
- Promote creativity, innovation and research culture in faculty & students for meeting global challenges
- Create Ethical and Social Professionals in the field of Electronics and Telecommunication Engineering

Program Specific Outcomes (PSOs):

Graduates of the program will be able to,

PSO1: Design and develop Embedded systems to provide solutions in the field
of Electronics and Telecommunication Engineering.

PSO2: Apply and analyse Communication Engineering fundamentals in the field
of wired and wireless communications and networking.

PSO3: Apply cutting-edge technology in Robotics and Internet of Things.

DEXTERITY

Event Date: October 27, 2023

DEXTERITY 2k23, an illustrious national-level technical event hosted by MMCOE Karvenagar's Department of Electronics and Telecommunication on October 27, 2023, proved to be a resounding success. The event showcased a series of challenging competitions designed to assess and celebrate participants' technical prowess and problem-solving abilities.
The "Creatronics - Circuit Making Competition"
The "TechnoHunt - Technical Treasure Hunt"
In the "Arduino, You Know? - Arduino Project Competition,"

A major highlight of the event was the recognition of top performers, with ₹5,000 awarded for Rank 1, ₹3,000 for Rank 2, and ₹2,000 for Rank 3 in each competition.

WORKSHOPS ORGANISED BY DEPARTMENT

- Workshop conducted on "AI for teaching and research in Engineering Education using MATLAB" on 4th August, 2023.
- 2 days workshop on Hardware Integration with MATLAB & SIMULINK on 16th & 17th Oct, 2023.
- 3 days workshop on "Hardware Modelling & Simulation for EV Fundamentals" on 21st Oct, 2023.

WORKSHOPS ORGANISED BY DEPARTMENT

- Workshop conducted on "Connected the Unconnecting in IOT" on 21st Oct, 2023.
- International Conference on, "Global Conference on Sustainability and Futuristic Technology - 2023" on 14th & 15th Dec, 2023.
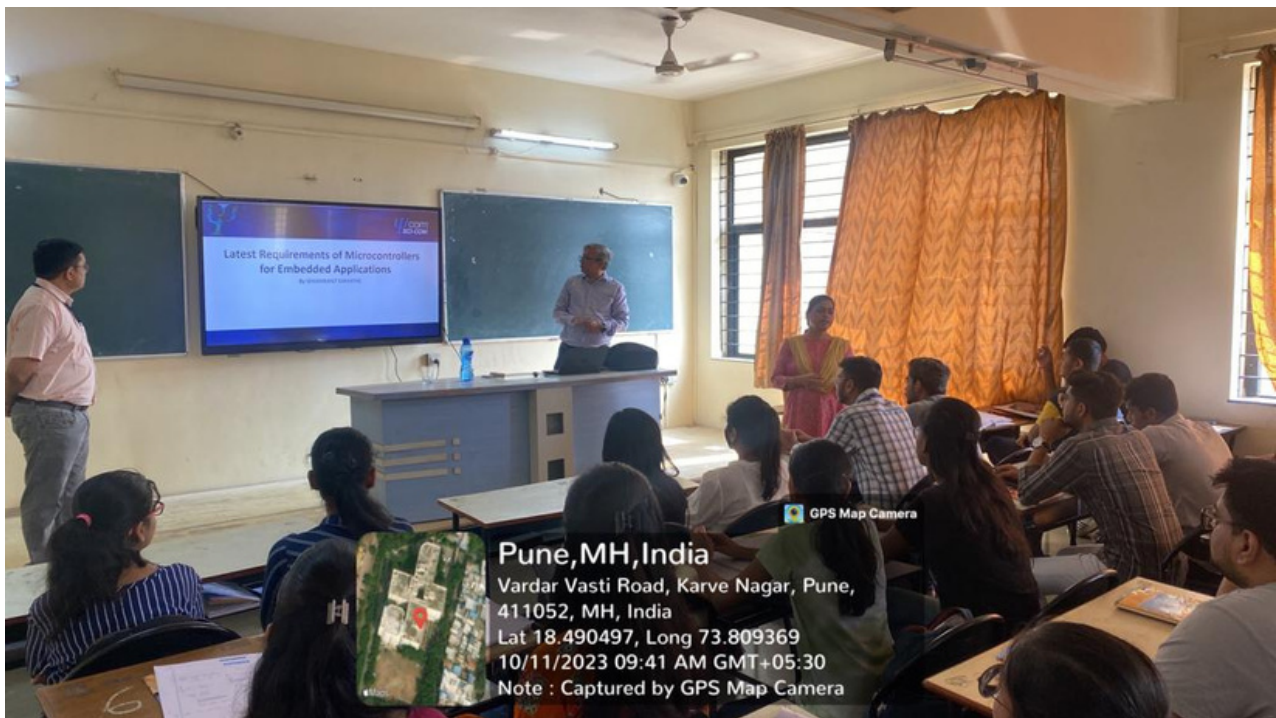- Workshop conducted on "Latex" on 21st & 22nd December, 2023

FACULTY PUBLICATIONS

Depart faculty published 25 research papers in reputed journals and conferences.

GUEST LECTURES

- Expert lecture by Mr. Avinash Magdum, Mr. Manish Gupta, Director Whizkey OPC Pvt. Ltd. Pune on "A Gateway to IoT Based Projects and Protype Building" on 25th July, 2023 for BE students under faculty coordinator Dr. J. M. Bakliwal.

- Expert lecture by Mr. Sidheshwar Bagbande, Networks Operations Engineer Mastercard, Pune, on "Recent trend and Opportunities in Computer Network and Network Security" on 25th September, 2023 for BE students under faculty coordinator Dr. A. B.Kanwade.

- Expert lecture by Mr. Saudagar Bardeco, Founder Pixaflip Technologies Pune, on "Importance of C in Embedded" on 25th September, 2023 for BE students under faculty coordinator Dr. N. N.Thune

GUEST LECTURES

- Expert lecture by Mr. Yogesh Murumkar, Director Bharat Soft Solutions, Pune on "Essential Maths for AI and ML using OOP" on 10th October, 2023 for TE students under faculty coordinator Mrs. S. A. Gosavi.

- Expert lecture by Mr. Shashikant Kamathe, Project Manager SCI-COM on "Latest Requirements of Microcontrollers for Embedded Applications" on 11th October, 2023 for TE students under faculty coordinator Dr. H. M. Jadhav and Mr. A. G. Dakre.

- Expert lecture by Mr. Toshal Khawale, Engineering Manager,J P Morgan Chase on "Demystifying DevOps Tools" on 3rd November, 2023 for BE students under faculty coordinator Ms. S. J. Koparde.

- Expert lecture by Mrs. Tejal Patil, Lead Specialist - Data Analyst, Marsh Mclennan, Global Services India Pvt. Ltd., Pune on "Case Study and application of Data Mining algorithm on real life Data" on 3rd November, 2023 for BE students under faculty coordinator Ms. M. L. Deorankar.

ALUMNI ACTIVITIES

- Expert Lecture on "Recent trend and Opportunities in Computer Network" by Mr. Sidheshwar Bagbande on 31st July, 2023.

- Alumni Dynamic Interaction Program (ADIP-2023) held on 5th to 15th September, 2023. Mr. Sidheshwar Bagbande, Ms. Uttara Kulkarni,
Mr. Mayur Varma was invited as Alumni.

- Department advisory board meeting(DAB) held on 20th September, 2023.
Mr. Shreyas Athawale & Mr. Vaibhav Joshi was invited as Alumni.

- Internship to 6 students was provided by Mr. Saurabh Saranathe.

ALUMNI ACTIVITIES

- Pre Placement session for Rudder analytics by E&TC student held on 17th September, 2023. Ms. Shruti N. Velhal was invited as Alumni.

- Mr. Vedhas Deshpane, Ms. Renuka Lokare, Mr. Siddheshwar Baggande was invited as judge for Dexterity 2k23 National Event on 27th October, 2023.

- Expert Lecture on "Chip Design Life Cycle and Job Opportunities in VLSI" on 4th November, 2023

BETA
Biasing Energy to Achieve

BETA is a student association of the Electronics and Telecommunication Department.
BETA organizes various events based on social and technical importance.
All students of the E & TC department are members of the association.

Sr. No.	Name of the student	Post
01	Mr. Lokesh Chinchole	President
02	Mr. Yashraj Jadhav	Vice-President
03	Mr. Atharva Mate	Secretary
04	Mr. Rohan Bind	Executive President (Event Management)
04	Mr. Sujit Kittad	Vice President(Event Management)
05	Mr. Nikhil Jagtap	Executive President (Publications)
05	Ms. Nishika Bhaskarwar	Vice President (Publications)
06	Mr. Omkar Malge	President (Social Activities)
07	Ms. Sanika Petakar	Treasurer
08	Mr. Aniket Dighe	Executive President (Co-curricular)
08	Mr. Omkar Ranad	Vice President (Co-curricular)
09	Mr. Sidhhant Chormule	Sports Secretary
10	Ms. Rakshita Shetty	Ladies/ Girls Representative
11	Ms. Archita Kulkarni	Vice President (Extra-Curricular)
12	Ms. Gayatri Bhor	Vice President (Documentation)
12	Ms. Gayatri Gaikwad	Vice President (Documentation)

BETA ACTIVITIES

Event: Aptitude Test Series
Event Date: 9th, 17th and 25th October 2023

The Student Association BETA had organized a 'Aptitude Test Series'. This event was conducted to test skills, assess their knowledge, and potentially pave the way for future academic or career success. Total 80 students appeared for Aptitude Test.

BETA ACTIVITIES

Event: Empowering Women through Self Defense Activities
Event Date: 13th October, 2023

The Student Association BETA had organized a 'Aptitude Test Series'. This event was conducted to Impart knowledge on how to be prepared for any worse situation that may occur.Total 16 students participated for Self-Defense Activity.

BETA ACTIVITIES

Event: Welcome function for SE students
Event Date: 14th October, 2023

The Department of Electronics and Telecommunication organized a Welcome function for SE students. This event was conducted by the student association BETA. The event was a grand success, bringing together students from the SE (Second Year) class to celebrate and welcome the newest members of our academic community.

BETA ACTIVITIES

Event: Social Activity
Event Date: 19th October, 2023

Student association club BETA, arranged a Social Activity at Shri Samarth Madhyamik Vidyalaya Kalavad, Bhor. This activity was organized on 19th October 2023.

Event: PTM (Parents-Teacher Meeting)
Event Date: 26th August , 2023

Department of E&TC conducted Parent-Teacher meeting for the Sem I (AY 2023-24). Around 50 parents have attended this PTM.

STUDENT ACHIEVEMENT

Name of the Student	Class	Event	Level	Details
Vedant Anil Bedake	SE2	"Arduino you know?", Dexterity 2k23, MMCOE	National	2nd rank
Mayuri Deochake, Alisha Nagarkar, Prathmesh Patil	SE1	Festx3.0, PCCOE	National	3rd rank
Diya Modi	SE1	• 21st Asian & International WFSKO Cup Karate Championship • Maharashtra Open State Roller Skating Championship • Udaan 2K23 • MMCOE- Zest 2k24, COEP Technological University	• Internationa • State • College • National	• Bronze medal • Gold medal • 3rd rank in paper presentation • 1st rank in Box Cricket
Sharv Bodhani	SE1	Rotary Youth Exchange organised by Rotary International	International	Completed Short term Exchange program of 3 weeks in Germany
Anup Suryawanshi	BE2	NCC National Camp - EBSB Camp At OTA(Officers Training Academy), Kamptee	National	Represented Pune and Maharashtra Directorate

- **Best Outgoing Student Award** -
1. Ved Garge (BE2)

- **Late Shri P.N.Honap & Shri U.S.Anikhindi Scholarship -**
1. Rohan Fulare (BE)
2. Pranav Gaikwad (BE)

INDUSTRIAL VISITS

Bentork Industries, Nanded City, Sinhgad Road, Pune

Date: 10th-11th October, 2023
Class: TE
Purpose: To build and upgrade practical knowledge of an individual in batteries of E-Vehicle and technology involved.
Faculty:
- Dr. H. M. Jadhav
- Mr. A. G. Dakre
- Mr. V. S. Girnare

INDUSTRIAL VISITS

Vigyan Ashram, Pabal

Date: 19th-20th October, 2023
Class: SE
Purpose: To provide solutions for Electronic products developed for rural areas and society and to solve various problems.
Faculty:
- Ms S. N. Deshmukh
- Mr. V. B. Deokamble
- Ms. S. A. Joshi
- Mr. V. S. Girnale
- Dr. J. M. Bakliwal

GPS Map Camera

Pabal, Maharashtra, India
R3M5+GCW, Pabal, Malwadi Agarkarwadi, Maharashtra 412403, India
Lat 18.832977°
Long 74.058718°
20/10/23 12:46 PM GMT +05:30
Google

INDUSTRIAL VISITS

GMRT, Khodad

Date: 20th October, 2023
Class: BE
Purpose: To know the practical fundamentals and mechanisms of Antennas, Optical network and Radio Telescope.
Faculty:
- Dr. A. S. Bhatlawande
- Ms. H. N. Burande

LIST OF PATENTS

Sr. No.	A.Y.	Name of Faculty	Patent Title	Status	Date
1	2023-24	Dr. Neeta Nitin Thune, Swati Naresh Deshmukh	Lab Manual of Employability Skill Development (Copyright)	Published	25/07/2023
2		Dr. Hemlata Makarand Jadhav	Advance taxonomy for micro facial expression and forgery discrimination	Published	01/09/2023
3		Ms. Pallavi Dnyaneshwar Wadkar	Smart plastic waste management device	Published	10/09/2023

BE TOPPERS

Name of the Student	Rank	SGPA
Barge Shruti Suryakant	I	9.7
Deshpande Sahana Sandeep	II	9.55
Karkhanis Soham Umesh	II	9.55
Chitkote Manasi Mahesh	III	9.4
Gauri Atul Yeole	III	9.4

TE TOPPERS

Name of the Student	Rank	SGPA
Doshi Prachiti Prashant	I	9.81
Wanjale Prajakta Sopan	II	9.33
Kulkarni Aditya Manoj	III	9.29

PLACEMENT ACTIVITY
(AY 2023-24)

- Preplacement talk by KPIT Technologies, Pune for BE students was conducted on 26th July, 2023

- Aptitude training sessions for BE students were organized from 14th-18th September, 2023.

Students were placed in the following compaies in the first semester itself of the academic year 2023-24

EDITORIAL COMMITTEE

Staff Members:- Ms. Harshada N. Burande   Ms. Sampada S. Tavse

Student Members:- Mr. Nikhil Jagtap   Ms. Shravani Abhyankar