**Marathwada Mitra Mandal's**

# College of Engineering

## Electronics and Telecommunication Engineering

# IMPULSE-SEMI

## INDEX

# Volume VII
# Issue 1
# January 2022

# Message from HOD

*Ms. P. S. Sawant*

*Head of Department*

*Electronics & Telecommunication Engineering*

Greetings!

At the outset, I would like to congratulate Team Rudra, Team Achilles, and TeamZer0 &1 for their spectacular success in ROBOCON, Effi- cycle and Open AUTOMATION Challenge (B&R) respectively!!

Robotics and automation are here to stay!!

Student Association, BETA proved its holistic approach and versatility by organizing technical training, clothes donation camp, and a mega multiple donation drive in three successive months. Keep up the good work, BETA!!

Department's first of its kind event, ADIP, was a grand success. Through the ADIP event, our alumni share valuable insights about pursuing higher education overseas, entrepreneurship, and experiences in the industry with their juniors. Truly, our window to the competitive world outside!!

 It was indeed a proud moment for the department when B&R Automation acknowledged our students' winning streak and awarded the 'Certificate of Achievement' to MMCOE!!

Warm regards and Best Wishes!!

# Department of Electronics and Telecommunication Engineering

## Vision

*To aspire to be leading electronics and telecommunication engineering department by imparting quality education for the welfare of society*

## Mission

*To facilitate students with the necessary academic preparation for a career in Electronics and Telecommunication industry, higher education and research to meet global challenges and emphasize excellence.*

*To create ethical and social professionals in the field of Electronics and Telecommunication*

**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.*

# Guest Lecture

- Expert lecture by Mr. Yuvraj Ghorpade, Director, Linked Loops Technologies Pvt.Ltd. Pune on "VLSI Design-Basics and career opportunities" on 23$^{rd}$ November, 2021 for SE and BE students.

- Expert lecture by Mr. Abhijit Gulvani, Director, Linked Loops Technologies Pvt.Ltd. Pune on "Electronic Hardware Systems Design'" on 23$^{rd}$ November, 2021 for SE and TE students.

- Guest Lecture by Mr. Santosh Hariharan, Success Coach, Mind Expert and Career Counsellor, SH Development Academy, Pune on "Tune Your Mind to Achieve Your Goals" on 10$^{th}$ November, 2021 for E&TC students.

- Guest Lecture by Swaroopanand Godse, Sr. Software Engg. Indexnine Technologies Pvt. Ltd., Pune on "Job opportunities in Networking and Security" on 30$^{th}$ October, 2021 for TE and BE students.

- Expert Lecture by Mr. Akshay Kudale, DELDSIM.COM Founder, Business Development, Pune on "Simulating Hardware" on 8th September, 2021 for SE students.

- Guest Lecture by Ms.R.C. Chopade, Assistance.Professor,IT,MMCOE on "File Handling" on 23$^{rd}$ September, 2021 for SE students.

# Alumni Activity

- Alumni Dynamic Interaction Program-series of alumni interaction from Teachers day to Engineers day conducted on 06th September, 2021 to 15th September, 2021. Ms.Uttara Kulkarni, Ms.Kshiti Bapat, Mr.Abhinav Kulkarni, Mr.Pradip Magar, Mr.Pramod Singh Chauhan, Mr.Harshal Kondhare, Mr.Shreyas Athavale were invited as Alumni

# BETA ACTIVITIES

**Event Name- BETA co-ordinators interviews conducted by BETA core members**

Event Date – 2nd Oct 2021

Student association BETA has successfully conducted interview sessions with second-year students to select coordinators for BETA

Introduction session was held for the SE students with the help of Burande ma'am regarding what is BETA and how does BETA organize events.

Mr. Sarthak Vedpathak (President of BETA) gave a welcome speech to the students, and the entire core team was present to conduct an interview and 20 students were present. From which 5 students selected from SE1 and 2 students from SE2.

BETA believes in Unity is Strength and looking forward to organizing amazing events with the help of SE coordinators.
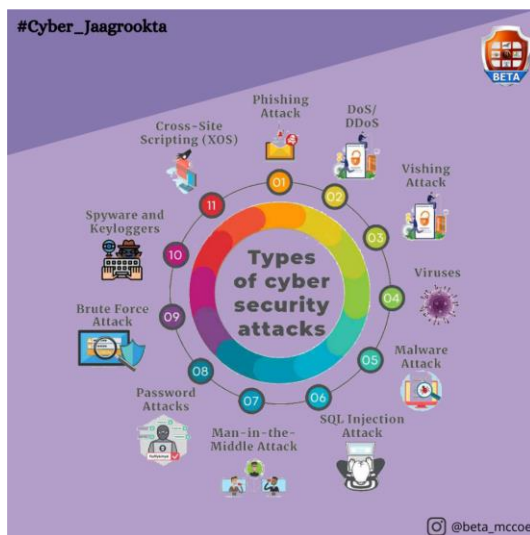
**Event Name- CyberJagrooktaDiwas**

Event Date: 6th October 2021

Commencement of 'Cyber Jaagrookta Diwas' on the First Wednesday of every month commencing from 6th October 2021 (Wednesday)

The main purpose of this initiative was to create awareness for the prevention of cybercrimes amongst MMCOE College students for that BETA had posted an email to every student telling them about how you can protect yourself from cybercrime and spread awareness through BETA Instagram Handel by posting about types of Cybercrime and cyber cautions.

In the physical world, we're good at protecting ourselves and our property, we need to replicate this in the digital world. 80% of cyber-crime is preventable. Technology is only a small part of Cyber Defence. You are the most important person – protect yourself.
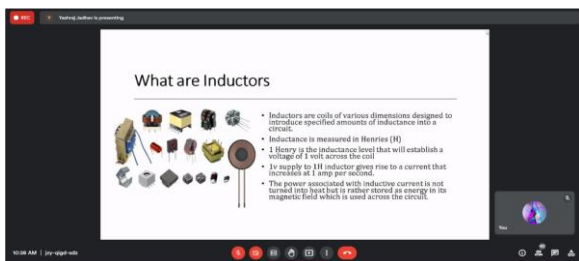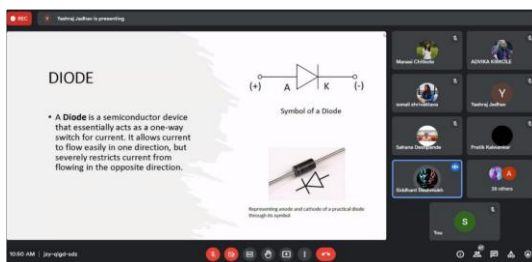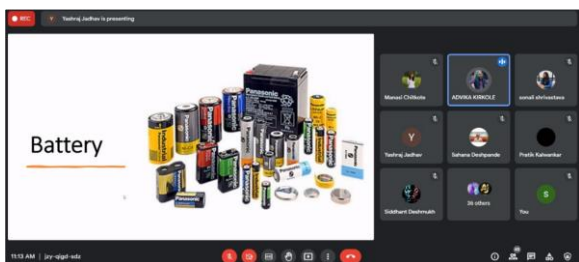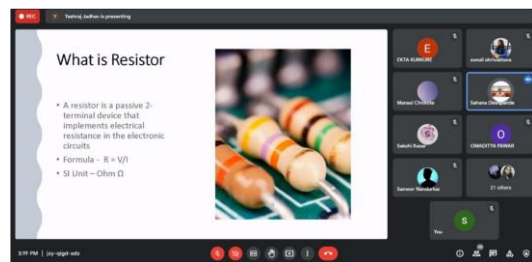
**Event Name- Way to the basics**

Event Date – 17th Oct 2021

Student association BETA has successfully conducted the first event of the academic year 2021-21 which was "The way to the Basics" In which BETA coordinators study thoroughly the basic electronics components that we need to use in our labs such as a diode, registers, capacitors, and many more and explain it to other the students. Understanding basic components helps a lot in the long run. To fulfil the need BETA arranged the session where SE coordinators share their knowledge regarding how basic components works, students learned how circuits work and when these components are put together, and clear all doubts of the students. The session was very interactive.

The session was divided into two batches 1st batch was from 10 am to 12 pm which is mainly for SE1 and 2nd batch was from 3 pm to 5 pm for SE2 students. BETA received a lot of positive feedback from SE students and a lot of students attended the session. At the end of the session, BETA provided them with a quiz where 10 questions were there regarding what they have learned in the session. All the attendees received a certificate from the BETA student association.

**Event Name:  Multiple Donation Camp**

Event Date:  5th Dec 2021

'Joy of Giving' Club of Student Association, BETA of E&TC Department has successfully organized Multiple Donation Camp in collaboration with DEEPASTAMBHA CHARITABLE TRUST, Pune on 5th December 2021, Sunday. It was held in Bal-Shikshan Mandir English Medium School, Mayur Colony, Kothrud, Pune-411038.

It was a multiple donation camp where BETA encouraged students to donate multiple things according to their choices such as Blood Donation, Eyes Donation, Skin Donation, Organ Donation, Books Donation, Toys Donation, Plastic Donation, Newspaper Donation, Joy Donation, E-Waste Donation, Spectacles Donation, and Utensils Donation

The main motive of BETA was to encourage more students to donate blood because in this pandemic situation blood is one of the important things that one can require. BETA has got 34 successful donors and 54 registrations. A certificate of appreciation and refreshment was given to each donor as a token of gratitude

**Event Name:  Clothes Donation Drive**
Event Date:  20th Nov 2021

'Joy of Giving' Club of Student Association, BETA of E&TC Department has successfully organized a clothes donation drive where all departments students and staff donated clothes during the college hours for goodness, and BETA committee members collected them and donated to Shree Sai Seva social services it is a local trust which helps special children's for their education and even fulfils their special needs.

The reason behind this entire clothes donation drive was to give an underprivileged person a pair of clothes that is as good as dressing him/her with self-respect. With this objective, we have distributed usable and clean clothes to poor people.

# Faculty Achievement

| Sr. No. | Name of Faculty | Event | Organizing Institute | Academic Year | Prize / Award Recognition |
|---|---|---|---|---|---|
| 1 | Jitendra Bakliwal | Poster Presentation competition' in ITLS 2021 | PVG Pune | 2021-22 | First prize in 'Poster Presentation competition' in ITLS 2021 |
| 2 | Ms. M. R. Pangaonkar | Certificate Course - B&R Control Systems and Software Tools | B&R Automation | 2021-22 | Course Introduction to programming of B&R Control Systems and Software Tools |
| 3 | Ms. M. R. Pangaonkar | Microchip academy Educator training certificate | Microchip and Eduskills | 2021-22 | Microchip academy Educator training certificate - Microchip ATMEGA16 |
| 4 | Dr. A. M. Solanke | International Virtual Conference | ICETEMS-2021 | 2021-22 | Session Chair for "International Virtual Conference on Emerging Trends in Engineering & Management Sciences |
| 5 | Dr. A. M. Solanke | AICTE Delhi - Technical Book Writing committee | AICTE | 2021-22 | Invited at AICTE Delhi as member of Technical Book Writing committee |

# Awards and Recognition received by students

| Sr. No. | Name of the Student | Event | Level | Rank | Details |
|---|---|---|---|---|---|
| 1 | Aniket Choudhari | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
| 2 | Janhavi Karnik | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
| 3 | Atharva Shinde | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
| 4 | Sameeran Chandorkar | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
| 5 | Rucha Joshi | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
| 6 | Swarneet Jagtap | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
| 7 | Sarthak Bhalerao | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
| 8 | Saurabh Natu | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
| 9 | Siddharth Kulkarni | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |

| 10 | Trupti Parate | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
|---|---|---|---|---|---|
| 11 | Yash Dangi | Robocon robotics competition | National | National Rank 10 | Online Robocon competition arranged by Indian Institute of Technology, Delhi on 18ᵗʰ August 2021. |
| 12 | Siddharth Sarraf | Effi-Cycle competition | National | All India Rank 1 with Best CAE (Computer aided engineering) award | Online Automotive competition organized by SAEIndia on 28ᵗʰ November 2021. |
| 13 | Kalyani Deore | Effi-Cycle competition | National | All India Rank 1 with Best CAE (Computer aided engineering) award | Online Automotive competition organized by SAEIndia on 28ᵗʰ November 2021. |
| 14 | Praddyumna Joshi | openAUTOMATION challenge | National | Recognition by B&R Automation | Automation challenge arranged by B&R automation on 18ᵗʰ to 27ᵗʰ October 2021 |
| 15 | Ameya Sutar | openAUTOMATION challenge | National | Recognition by B&R Automation | Automation challenge arranged by B&R automation on 18ᵗʰ to 27ᵗʰ October 2021 |
| 16 | Nihar Thakare | openAUTOMATION challenge | National | Recognition by B&R Automation | Automation challenge arranged by B&R automation on 18ᵗʰ to 27ᵗʰ October 2021 |
| 17 | Sakshi Patil | openAUTOMATION challenge | National | Recognition by B&R Automation | Automation challenge arranged by B&R automation on 18ᵗʰ to 27ᵗʰ October 2021 |
| 18 | Tanmay Bodke | openAUTOMATION challenge | National | 3ʳᵈ Rank | Automation challenge arranged by B&R automation on 18ᵗʰ to 27ᵗʰ October 2021 |
| 19 | Sudarshan Kothawale | openAUTOMATION challenge | National | 3ʳᵈ Rank | Automation challenge arranged by B&R automation on 18ᵗʰ to 27ᵗʰ October 2021 |
| 20 | Sakshi Jadhav | openAUTOMATION challenge | National | 3ʳᵈ Rank | Automation challenge arranged by B&R automation on 18ᵗʰ to 27ᵗʰ October 2021 |
| 21 | Ankita Balagaon | openAUTOMATION challenge | National | 3ʳᵈ Rank | Automation challenge arranged by B&R automation on 18ᵗʰ to 27ᵗʰ October 2021 |

**Editorial Committee**

Staff: Ms. H.N.Burande, Ms. S.S.Tavase
Students: Nikhil Jagtap, Vedant Jawalekar