

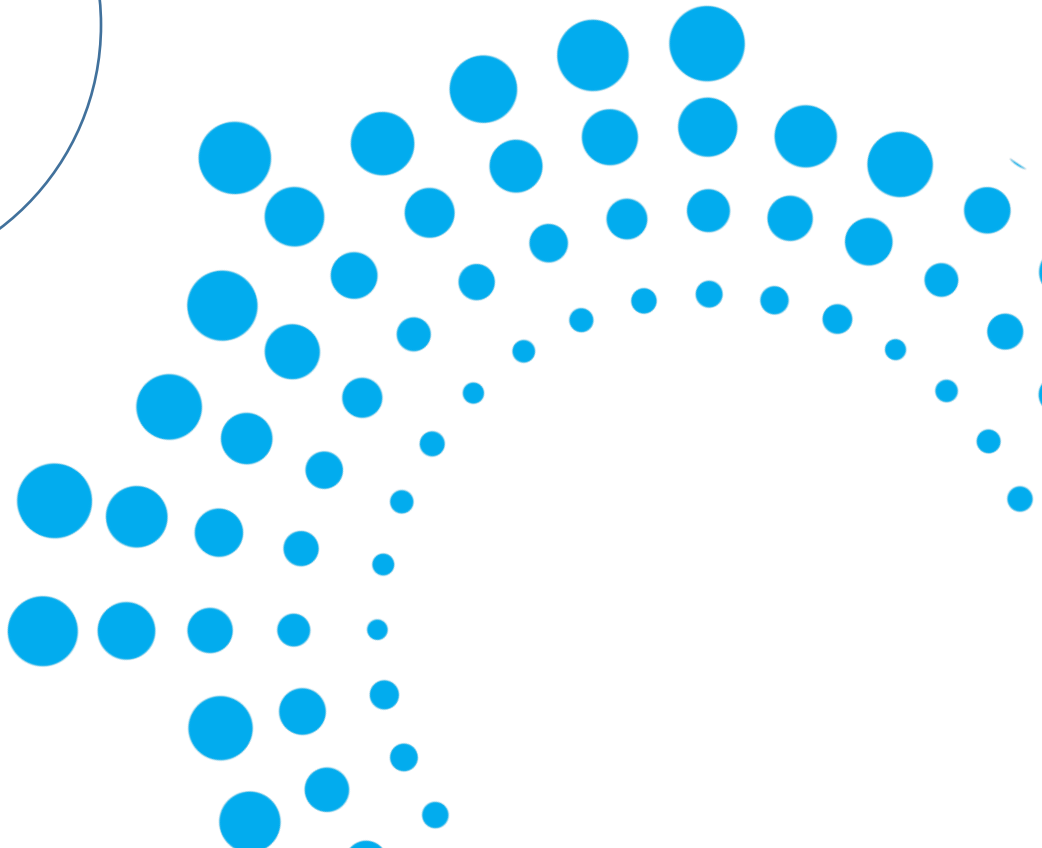


Marathwada Mitra Mandal's
College of Engineering

Department of
Electronics and Telecommunication Engineering

IMPULSE

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MESSAGE FROM HOD



Dr.G.S.Gawande
Head of the Department
Electronics & telecommunication
Engineering

Dear Friends,

I am honoured and humbled by this opportunity to address future technocrats of the country. Swami Vivekananda once said, “We want that education by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one's own feet”. He also said, “The education which does not help the common mass of people to equip themselves for the struggle for life, which does not bring out strength of character, a spirit of philanthropy, and the courage of a lion – is it worth the name? Real education is that which enables one to stand on one's own legs.”

India has made remarkable progress in engineering and technical education in past few years. Many businesses directed their innovations towards society and the

environment, leveraging technology and the entrepreneurial mind set to do better. Moreover, the COVID-19 pandemic also presented a huge opportunity for social entrepreneurship.

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. 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. I wish all the best to all students and faculty advisors of Department and Professional Bodies Associations.

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.

Workshop & seminar Organised by Department

- Seminar conducted on “Smart Classroom Orientation Program” on 14th June, 2022.
- Workshop conducted on “PCB design” on 15th Sept, 2022.
- Workshop conducted on “Arduino Basics” on 1st October, 2022.
- Four day workshop on “The Art of Talkamatics” conducted from 19th to 22nd December, 2022.
- “Proteus Workshop” under the aegis of IETE Student Forum (ISF) on 11th February, 2023.
- Seminar conducted on “IOT for green Environment” on 20th March, 2023.
- Two day workshop conducted on “PCB layout development” from 24th to 25th March, 2023.

Guest Lectures

- Expert lecture by Ms. Rucha Joshi, SoC Design Engineer, Intel corporation, Bangalore on “Chip Design Life Cycle and Job Opportunities in VLSI” on 10th December, 2022 for BE students under faculty coordinator Ms. M. R. Pangaonkar, Ms. H. N. Burande.
- Expert lecture by Mr. Mrudang Shukla Incubation Manager, Atal Incubation Centre, MIT Gurukul campus, Loni(k), Pune on “How to Be an Entrepreneur” on 16th March, 2023 for BE students under faculty coordinator Mr. J. M. Bakliwal, Ms. S. J. Koparde.
- Expert lecture by Mr. Piyush Sonewar, MLE, Pixafliip Technologies Pvt. Ltd, Pune on “Importance of OOP in Embedded System” on 18th April, 2023 for SE students under faculty coordinator Dr.N.N.Thune.

Alumni Activity

- Alumni Association, P.N.Honap & U.S.Anikhindi scholarship interviews were held on 20th February, 2022. Mr. Sagar Shilvant was invited as judge.
- Best outgoing student interviews conducted on 21st February, 2022. Mr. Shreyas Athavale, Ms.Vaishnavi Kaundanya was invited as Alumni.



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.

<i>Ms. Isha Joshi</i>	<i>President</i>
<i>Mr. Hrutik Bhonde</i>	<i>Vice President</i>
<i>Mr. Nitish Mahajan</i>	<i>Executive Secretary</i>
<i>Mr. Mandar Keskar</i>	<i>Secretary</i>
<i>Mr. Vedang Randhir</i>	<i>Executive President (Event Management)</i>
<i>Mr. Ashok Dhaygode</i>	<i>Vice President (Event Management)</i>
<i>Mr. Nikhil Jagtap</i>	<i>Executive President (Media & Publicity)</i>
<i>Mr. Vedant Jawalekar</i>	<i>Vice President (Media & Publicity)</i>
<i>Ms. Sahana Deshpande</i>	<i>Executive President (Social)</i>
<i>Mr. Pratik Kalwankar</i>	<i>Vice President (Social)</i>
<i>Mr. Yashraj Jadhav</i>	<i>Treasurer</i>
<i>Ms. Manasi Chitkote</i>	<i>Treasurer</i>
<i>Mr. Lokesh Chinchole</i>	<i>Executive President (Co-curricular)</i>
<i>Mr. Aniket Dighe</i>	<i>Vice President (Co-curricular)</i>
<i>Mr. Siddhant Chormale</i>	<i>Executive Sports Secretary</i>
<i>Ms. Rakshita Shetty</i>	<i>Sports Secretary</i>
<i>Ms. Chinmayee Deshmukh</i>	<i>Ladies Representative</i>
<i>Mr. Siddhant Deshmukh</i>	<i>Executive President (Extra-Curricular)</i>
<i>Mr. Shubham Sudrik</i>	<i>Vice President (Extra-Curricular)</i>

Faculty coordinators

Ms. Harshada Burande

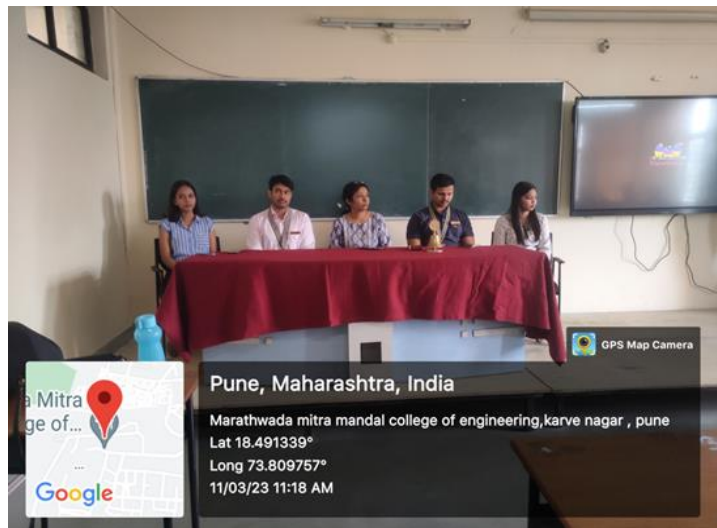
Dr. Amar Deshmukh

BETA Activities

Event: Professional Development Session

Event Date: 11th March 2023

The Student Association BETA had organized a 'Professional Development Session' under the aegis of Rotaract Club of Pune, Ganeshkhind. This session was conducted by Rutuja Valse (Vice President,RCPG) and Sareen



Shah (Secretary,RCPG) with objective of providing the students with insights the employers seek in the candidate.

Students were guided about an ideal LinkedIn profile and how to find off-campus jobs on the platform.



Event Name: Empowering Women through Self-Defence Activities

Event Date: 8 MARCH 2023

BETA and the had organized a workshop on “Empowering Women through Self Defence activities” under the aegis of IETE Student Forum (ISF) .This workshop was conducted by Miss Supriya Supekar on the occasion of International Women’s day. The student participants got different self-protection tips.

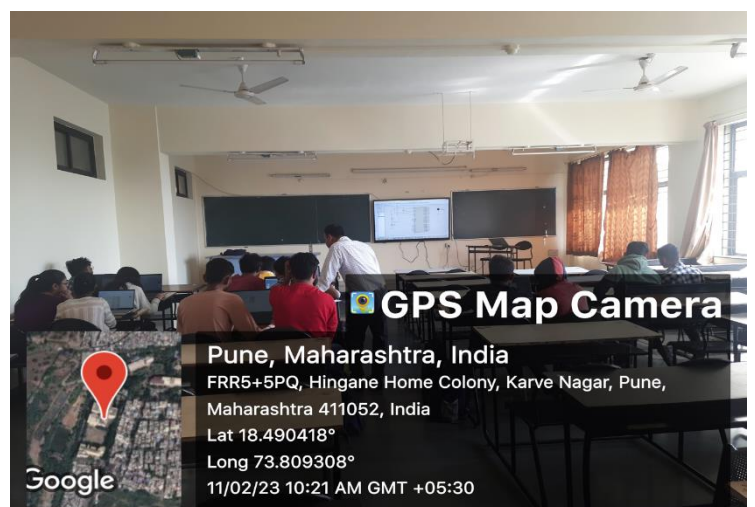
Event Name: Proteus Workshop

Event Date: 11th Feb 2023

BETA had organized a 'Proteus Workshop' under the aegis of IETE Student Forum (ISF) .This workshop was conducted by Industry Expert Dr. Mahesh Navale from Nilkey Enterprises. The workshop enabled students to design an Electronic Circuit for specific applications, simulate the circuit, analyse and develop it into working prototype on prototyping boards.



Self Defence Activity



Proteas Workshop

Faculty Achievements

Sr. No.	Name of Faculty	Achievements	Organizing Institute	Academic Year	Prize / Award Recognition
1	Dr. J. M. Bakliwal	PhD	Kalinga University	2023-24	Awarded PhD in the subject of Electronics Engineering for research paper 'Led Driving Topology for Efficiency Improvement of Solid State luminaire using isolated buck converter' in July 2023
2	Ms. Shubhangi Gosavi	MOOC	IIT Bombay, Powai, Mumbai-400 076.	2023-24	Certificate awarded for outstanding performance in the eLSI: Basics of Embedded Systems and Robotics, conducted as a part of MOOC through the e-Yantra Lab Setup Initiative (eLSI) 22/07/2023
3	Mayuri Deshmukh	MOOC	IIT Bombay, Powai, Mumbai-400 076.	2023-24	Certificate awarded for outstanding performance in the eLSI: Basics of Embedded Systems and Robotics, conducted as a part of MOOC through the e-Yantra Lab Setup Initiative (eLSI) 22/07/2023
4	Mr. V. B. Deokamble	M SET Exam	Savitribai Phule Pune University Maharashtra State Eligibility Test (M-SET)	2023-24	Qualified MAHARASHTRA SET for eligibility for Assistant Professor, held on 26th March 2023 in the subject Management.
5	Dr. N. N. Thune	NPTEL Online Certification Course	NPTEL SWAYAM	2023-24	Mentor for NPTEL Online Certification Course - Human Behaviour Jan - Apr 2023
6	Ms. M. R. Pangaonkar	Image Processing & its Applications using VLSI Architectures	DA-IICT Gandhinagar, Gujarat	2023-24	Attended one Week High End Workshop under the KARYASHALA scheme - A SERB initiative from 3rd to 8th July 2023 on Image Processing & its Applications using VLSI Architectures.
7	Ms. M. R. Pangaonkar	Image Processing & its Applications using VLSI Architectures	DA-IICT Gandhinagar, Gujarat	2023-24	Presented Best performing in Quiz contest one Week High End Workshop under the KARYASHALA scheme - A SERB initiative from 3rd to 8th July 2023 on Image Processing & its Applications using VLSI Architectures.

Work shop & FDP Attended by Faculties

S. No.	Name of the faculty	Title of the FDP / professional development / administrative training program	Dates/Duration
1	Prof. S.N. Deshmukh	BE(E&TC) revised syllabus (2019)FOC	30-01-2023 to 1-02-2023
2	Prof. S.N. Deshmukh	Outcome Based Education	04-02-2023
3	Prof. S.N. Deshmukh	IOT for Green Environment	21-03-2023
4	Dr. N.N. Thune	IOT for Green Environment	21-03-2023
5	Dr. H.M. Jadhav	BE(E&TC) revised syllabus (2019) Digital Business Management	21-03-2023 to 21-03-2023
6	Dr.A.S.Bhatlwande	BE(E&TC) revised syllabus (2019)FOC	30-01-2023 to 1-02-2023
7	Prof. M.R. Pangaonkar	My view board certification	30-01-2023 to 1-02-2023
8	Prof. M.R. Pangaonkar	Outcome Based Education	14-06-2022
9	Prof. M.R.Pangaonkar	Medical imaging 2023 a symposium of Medical Imaging and oncology	04-02-23
10	Prof S.J. Koparde	BE(E&TC) revised syllabus (2019) Mobile Computing	25-02-23
11	Prof. V.B. Deokamble	BE(E&TC) revised syllabus (2019) Digital Business Management	30-01-2023 to 1-02-2023
12	Prof. Anup Dakre	“Cloud Computing Using-Amazon Web Services & Google Cloud Platform”	30-01-2023 to 1-02-2023

13	Prof. Anup Dakre	Introduction to Innovative Pedagogies for College Teachers	19-09-2022 to 23-09-2022
14	Prof. Anup Dakre	BE(E&TC) revised syllabus (2019) Elective 5 Embedded System Design	5-01-2023 to 7-01-2023
15	Prof. Anup Dakre	Outcome Based Education	30-01-2023 to 1-02-2023
16	Prof. Anup Dakre	“EV Technology and Battery Modelling”,	04-02-23
17	Dr. N.N. Thune	Joy of computing using Python	1-1-23 to 1-4-23

Student achievements

Sr.No.	Name of student	Name of award	Agency	Date
1	Supriya Supekar	1st Rank in Pune District Powerlifting Championship	Amateur powerlifting association Pune	25/06/2022
2	Swarneet Jagtap	Team Rudra secured the "Ashoka Award" and a monetary prize of Rs. 50,000/-	Addverb Technologies, ROBOCON 2022, New Delhi	17/07/2022
3	Gaurav Bhat			
4	Yash Dangi			
5	Yash Shirke			
6	Pranav Khadkhotkar			
7	Sahil Gupte			
8	Noopur Aangane			
9	Atharva Shinde			
10	Siddharth Kulkarni			
11	Vaishnavi Jahagirdar			
12	Advait Thale	1st Rank, prize of Rs.5000/- in Creatronics event in Dexterity 2K22-23	MMCOE Pune	15/10/2022
13	Aditya Kulkarni	3rd Rank, prize of Rs.2000/- in Creatronics event in Dexterity 2K22-23	MMCOE Pune	15/10/2022
14	Shubham Sudrik	Best Performer in Ideation event in Dexterity 2K22-23	MMCOE Pune	15/10/2022
15	Manasi Chitkote	Best CAE award, Effi-que category.in Efficycle Competition	LPU, Punjab	22/11/2022 to 25/11/2022
16	Omkar Joshi			
17	Neel Salunke			
18	Arya Panchal			
19	Shruti Barge			
20	Supriya Supekar	Won Silver Medal in Maharashtra National level Powerlifting Championship	Powerlifting association, Aurangabad	15/01/2023 to 20/01/2023

Skill Development

Sr. No.	Course Name	Class	Trainer	Associated Industry	Month
1	Process Mining Fundamentals	TE, BE	Mr. V. B. Deokamble	Celonis Germany	August 2022
2	HFSS workshop on Antenna Design	TE, BE	Ms. R.R. Malekar Ms. H. N. Burande	ISTC Pvt Ltd	August 2022
3	Aptitude: Qualitative and Quantitative	BE	Dr. N. N. Thune Ms. R.R. Malekar	Friends Union for Energizing Lives	September 2022
4	Online Spoken Tutorial Course on LaTeX, Android app using Kotlin and Java	SE, TE & BE	Dr. H. M. Jadhav	IIT Bombay	November 2023
5	Embedded and VLSI	TE, BE	Ms. M.R. Pangaonkar Ms. H. N. Burande	Athena Automation	January 2023
6	Essential of Mathematics for DS and ML	SE, TE & BE	Dr. N. N. Thune Dr. A. B. Kanwade	Bharat Soft	February 2023

Spoken Tutorial Certification Summary

Branch	Year	Course Name	Candidates Appeared	Candidates Passed	Passing Percentage
E&TC	S.E	HTML (Web Development)	151	148	98.01%
E&TC	T.E	HTML (Web Development)	148	148	100%
E&TC	B.E	Java Business Application	151	151	100%
Total			450	447	99.33%

Placement for A.Y. 2022-23

Students are placed in the following companies during
Academic year 2022-23



JIO



TMCS



B&R Automation



Bluebinari



Crescendo Human
Resources



Tech Mahindra



Brose



TCS



Pentagon Space



Wipro Pari



Hexaware



Elinfochip



Capgemini



Profcyma LLP



Dista Technology Pvt.
Ltd



Codebin



Robinhood

QUASAR SDR

Quasar SDR Pvt. Ltd



Bosch Chassis
Systems India Pvt.
Ltd.



Deutsche Bank



Uptycs India PVT LTD



Unicore AI Minds



Cyber Success



Intelizign lifecycle
services pvt ltd



Rudder analytics



Epitage



Codeyoung



Greentech



Coditas



Arohiinfo FI
Management Limited



Justdial



Ellenox Private Limited

Editorial Committee:

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Students: Nikhil Jagtap, Nishika Bhaskarwar