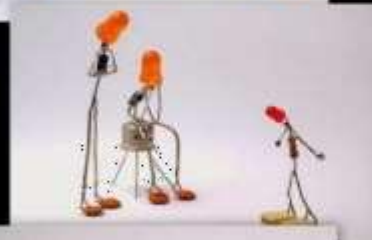
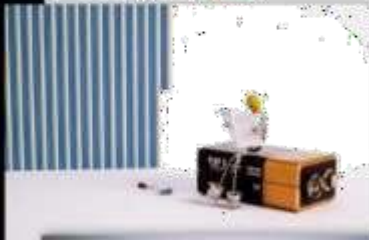




LOADING
PLEASE WAIT...

**WE SEE DEPARTMENTS
DIFFERENTLY**

E&TC



MODERN EDUCATION SOCIETY'S
Wadia College of Engineering

Wadia College Campus, PUNE-01

Phone No: 020 - 2616 3831

Email Id: principal@mescoepune.org

Website: www.mescoepune.org

Department of Electronics & Telecommunication

Newsletter Volume – 21 Issue 30, JAN-MAY 2025

VISION

To Groom - Motivated, Environment friendly, Self-esteemed, Creative and Oriented Engineers.

MISSION

To Develop Industry Oriented Manpower to accept the challenges of Globalization, by promoting Value Education through motivated trained faculty, by maintaining conducive environment for education at affordable cost, by promoting Industry Institute interaction, by involving alumni.

PATRON

Dr. M. P. Dale (Principal)

EDITORS

Prof. B.M.Narute
Prof. U. D. Dattasamje

CONTENTS

<i>FROM HOD'S DESK.....</i>	<i>1</i>
<i>FROM THE EDITOR'S DESK.....</i>	<i>1</i>
<i>FROM THE STUDENT EDITOR'S DESK.....</i>	<i>1</i>
<i>Staff Members</i>	<i>2</i>
<i>Class Toppers</i>	<i>3</i>
<i>Faculty Achievement / Special Work</i>	<i>5</i>
<i>Workshop / FDP Attended.....</i>	<i>6</i>
<i>Department Activities / Guest lectures</i>	<i>7</i>

FROM HOD'S DESK

It gives me immense pleasure to share a few words for our newsletter. Education plays a vital role in preparing individuals to face real-life challenges with knowledge and confidence. Today's era, driven by Artificial Intelligence and Machine Learning, has witnessed rapid advancements in internet, wireless communication, and information technology. Technologies once limited to supercomputers are now accessible through handheld devices, while innovations in integrated circuits have transformed industries—from space exploration and automobiles to communication and global connectivity.

In this dynamic landscape, MESCOE has made remarkable progress in academics, co-curricular, and extracurricular domains. The Department of Electronics & Telecommunication proudly holds NBA accreditation and contributes to the institute's NAAC A++ recognition.

Our department actively encourages holistic student development through initiatives like ASTITVA, ETSA, and various technical and extracurricular clubs such as ROBOCLUB and E-BAJA.

I extend my best wishes to all readers for continued success and greater achievements in the future.

Dr. Pranoti P. Mane
HOD, E&TC

FROM THE EDITOR'S DESK

Greetings,

Through this newsletter, I am pleased to present a reflection of the various activities carried out by our department during the last semester. This publication, planned to be released twice a year, aims to provide a snapshot of the key developments, achievements, and progress within the E&TC Department.

I am delighted to stay connected with you through this edition of the Newsletter 2024–25, Semester II which highlights the efforts and accomplishments of the semester.

I sincerely appreciate your continued support and welcome your valuable feedback.

Prof. B. M. Narute
Prof. U. D. Dattasamje

FROM THE STUDENT'S DESK

Dear Readers,

I am pleased to present this edition of our department newsletter. It highlights the achievements, activities, and creative efforts of our students and faculty. We hope these stories inspire learning, innovation, and active participation in our academic community.

Thank you to everyone who contributed to making this issue possible.


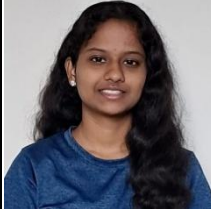



















Warm regards,

Omkar Parande

STAFF MEMBERS

Sr. No.	Abbreviations	Full Name
1.	MPD	Dr. Manisha.P .Dale
2.	PPM	Dr.Pranoti.P. Mane
3.	PBC	Dr. Pravin.B. Chopade
4.	PNK	Dr.Prabhakar.N. Kota
5.	BMN	Prof. Bharati.M. Narute
6.	SND	Prof. Shrinivas. N. Dharwadkar
7.	KST	Dr. Kanchan. S. Tiwari
8.	AAD	Prof. Aparna. S.Kulkarni
9.	RSK	Dr. Rekha. S. Kadam
10.	SSP	Prof. Sunil. S. Pansare
11.	UVB	Prof. Usha. V. Bomble
12.	NM	Prof. Nabega. Masood
13.	YMA	Prof. Yogita. M.Ajgar
14.	UDD	Prof. Uma. D.Dattasamje
15.	MMD	Prof. Mrinai. M.Dhanvijay
16.	PMB	Prof. Priyanka.M. Bagul
17.	PST	Prof. Priyanka. S. Tondewad
18.	NPJ	Prof. Namrata P. Jangale
19.	SST	Prof. Sukruti. S. Taori
20.	VHK	Prof. Vaishali. H. Kamble
21.	AVS	Prof. Akshata. V. Salunke
22.	PSD	Prof. Puja Deokate
23.	SDG	Prof.Suchita D. Ganage
24.	GK	Prof. Gauri Kulkarni
25.	KPS	Prof. K.P.Sinde

CLASS TOPPERS :

Toppers of SE							
							
CHOTHE SANSKRUTI DHANAJI	SOMWANSHI SNEHA	PATIL SHREYA SHYAMGOUDA	DESHPANDE YASHASHRI NILESH	BERAD RAMESHWAR GOPAL	CHOURE ADITYA RAJENDRAKUMAR		
SGPA: 9.95	SGPA: 9.73	SGPA: 9.32	SGPA: 9.14	SGPA: 9	SGPA: 9		
Toppers of TE							
							
PRADNYA SANJAY GUMASTE	MANASI DILIP JAGTAP	ISHWARI PRASHANT SURWASE	AMOD RAJENDRA DESHMUKH	SUMEDH MAHESH KASTURE	AISHWARYA VIJAY KALE	KARTIK RAMESH KALE	
SGPA: 9.67	SGPA: 9.52	SGPA: 9.38	SGPA: 9.29	SGPA: 9.29	SGPA: 9.24	SGPA: 9.24	
Toppers of BE							
							
BHAVSAR HRISHIKESH BIPIN	BACCHEWAR SAMARTH RAVINDRA	NAIK DEVANSH PARESH	RATHORE DIVYANSHI RAMESH	BARGAJE PRATHAMESH VAJJANATH	SWAPNIL DHONDIRAM AKHADE	KARANDIKAR ANKUR YOGESH	VEERKAR PRANAV PRAKASH
SGPA: 9.40	SGPA: 9.30	SGPA: 9.25	SGPA: 9.25	SGPA: 9.15	SGPA: 9.15	SGPA: 9.00	SGPA: 9.00

List of students placed in various companies

Sr. No.	Student Name	Company Name	Package
1	Abid Afsar Shaikh	Amazon	3.82
2	Akshada Satish Phadatare	Capgemini	4.25
3	Disha Pramod Kumbhakarna	Capgemini	4.25
4	Divyanshi Ramesh Rathore	Capgemini	4.25
5	Preeti Mahesh Borse	Capgemini	4.25
6	Sreeja Ronanki	Capgemini	4.25
7	Tanishka Totankumar Bhowmick	Capgemini	4.25
8	Tejasvi Santosh Jadhav	Capgemini	4.25
9	Vaishnavi Vijay Bavalekar	Capgemini	4.25
10	Vrushali Sunil Jadhav	Capgemini	4.25
11	Jyotika Kumari -	Amazon	3.82
12	Ashlesha Vinay Parab	Infosys	3.6
13	Mayuri Makarand Kadam	Infosys	3.6
14	Nikita Subhash Panchakshare	Infosys	3.6
15	Simintini Balasaheb Pangare	Infosys	3.6
16	Kirti Bhimashankar Manakoji	Tech M	3.25

Jayesh Kuldeep SE(E&Tc) participated as a Wrestler 125 kg category (Greek Roman) achieved Silver Medallist at Inter- College Championship and participated in university Inter Zonal Competition.



Dev Jain TE(E&Tc) achieved Best Wicket Keeper Award at Chatrapati Shivaji Maharaj Cricket Tournament held by AISSMS.



Sanika Dhaiture received Miss MES WCOE 2025 award.



Faculty Achievement / Special Work :

Faculty Activity:

Name of teacher	Name of conference/ webinar/FDP/ FOW/workshop attended
Dr. P. N. Kota	Training on Data Analytics and Visualization using Advanced Excel with an A++ grade, organized by the Academic Skill Development Program, Ministry of MSME, Government of India,
	2 Weeks Industrial Training on Image Processing and Deep Learning held during Organized by EduLakes Solutions LLP
	2 Weeks Industrial Training on Generative AI- Novice to Master Organized by EduLakes Solutions LLP

Faculty Achievement:-

I) International Conferences/National conference:

Sr. No.	Name of the teacher	Title of the paper
1	Dr. P.P. Mane	A Robust CNN Approach for Multi-Class Skin Disease Detection and Classification
2	U.V. Bomble	" Intelligent Irrigation and Worm Identification"
3	U.V. Bomble	Test Automation: HMI & PLC
4	U.V. Bomble	Adaptive PID Controller Tuning
5	U.V. Bomble	Test Automation: HMI & PLC
6	U.V. Bomble	Adaptive PID Controller Tuning
7	S.D. Ganage	Intelligent Spectrum Utilization: Challenges and opportunities in Cognitive Radio Networks
8	S.D. Ganage	Optimized Dual-Band Frequency U-Shaped Slot Squared Microstrip Patch Antenna

II) Publications (Journal):

Title of paper	Name of the author/s	Name of journal
Optimization of PID Controllers Using Groupers and Moray Eels Optimization with Dual-Stream Multi-Dependency Graph Neural Networks for Enhanced Dynamic Performance	Dr M P Dale	Energies 2025
Open Switch Fault Diagnosis in Three-Phase Voltage Source Inverters Using Single Neuron Implementation	Dr M P Dale	Processes 2025
"Simulated Annealing-Salp Swarm Algorithm based Variational Autoencoder for Peak-to-Average Power Ratio Reduction"	Dr. P. B. Chopade	International Journal of Computer Networks & Communications (IJCNC)
"Simulated Annealing-Salp Swarm Algorithm based Variational Autoencoder for Peak-to-Average Power Ratio Reduction"	Dr. P. N. Kota	International Journal of Computer Networks & Communications (IJCNC)
Global-Local Self-Attention-Based Long Short-Term Memory with Optimization Algorithm for Speaker Identification	Dr. P. N. Kota	IIUM Engineering Journal,
Online Credit Card Fraud Detection Using Bi-Strategy based Artificial Hummingbird Algorithm with Least Square Support Vector Machine	Dr. P. N. Kota	International Journal of Intelligent Engineering and Systems,
AI And Machine Learning for Optimizing Renewable Energy Systems in Engineering Management	S. D. Ganage	Nanotechnology Perceptions

III) Special Achievement:

Name of Faculty	AY 2024-25	Achievement
Dr. Prabhakar N. Kota	April 2025	Completed Industrial Training on Data Analytics and Visualization using ADVAN, conducted by the Academy of Skill Development, from 15 April 2025 to 16 May 2025 (4 weeks).

Patent Publication

Dr. Rekha Shashikant Kadam, KST, MPD, MMD	Biometric Authenticating Wrist band
Suchita Ganage	Predictive analytics model for assessing stroke risk using ensemble machine learning
Dr. K. S. Tiwari	Patent: IoT based Smart Walking for visually challenged peoples using AI
Dr. P. N. Kota	Wearable Smart Shoe
Dr. P. N. Kota	Portable Grid Analyzing Device
Dr. M. M. Dhanvijay, Dr. R.S.Kadam	Patent granted on BIOMETRIC AUTHENTICATING WRISTBAND on 20/01/2025

Dr. M. M. Dhanvijay: Syllabus Framing Expert: SPPU SE 2024 syllabus MDM-2(Object oriented Programing)

Dr. M. M. Dhanvijay: Coordinator: National Conference SYNERGY 2025 on 4th apr 2025

Dr. M. M. Dhanvijay: Coordinator 2nd International Symposium on“The Impact of AI on Learning and Industry Jobs” SYNERGY 2025 on 5th Apr 2025

Dr. P. M. Bagul: Completed PhD in July 2024

Dr. P. M. Bagul :Participated in National level Robotics competition Robocon 26 at New Delhi

Dr. P. M. Bagul Participation in DIPEX 25

Dr. R.S.Kadam: Session Chair - NTPC 2025 at AISSMS CoE,Pune

Dr. R.S.Kadam Coordinator - IETE Project Competition NLPC-2025

Dr. P.N. Kota Elected as Executive Committee (EC) Member of IETE Pune Centre for the tenure 2024–2026.

Dr. P.N. Kota Received 3rd Best IETE Students’ Forum (ISF) Award received for the Academic Year 2024–2025, in recognition of exemplary student engagement, technical activities, and professional initiatives.

Dr. P. N. Kota Reviewed paper for Archives of Current Research International on 11 Jan 2025

DEPARTMENT ACTIVITIES:

Parent Meeting:

The E&TC Department's parent-teacher meet on February 28, 2025, facilitated interaction between faculty and 21 families to discuss academic performance, attendance, and career growth. Led by Dr. K.S. Tiwari and HoD Dr. P.P. Mane, the session highlighted the importance of early internship planning and placement preparation starting from the second year.



Photo #01: Faculty Parent Interaction

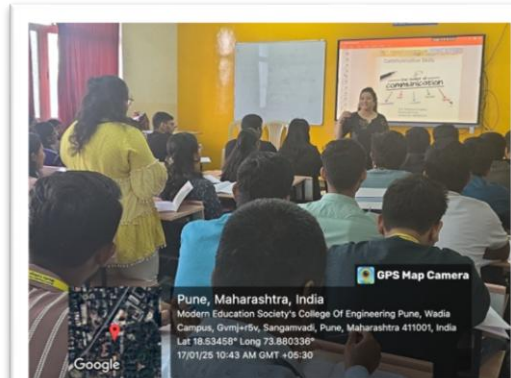


Photo #02: Interaction with Parents

Guest Lectures :-

1. Resume Writing & Soft Skills Workshop

Led by Rukhsheen Vajifdar from ICFAI IBS, this workshop provided second-year E&TC students at Wadia College of Engineering with expert guidance on professional resume crafting and essential soft skills. Participants gained practical interview strategies and career-readiness tools designed to enhance their employability and confidence in the job market.



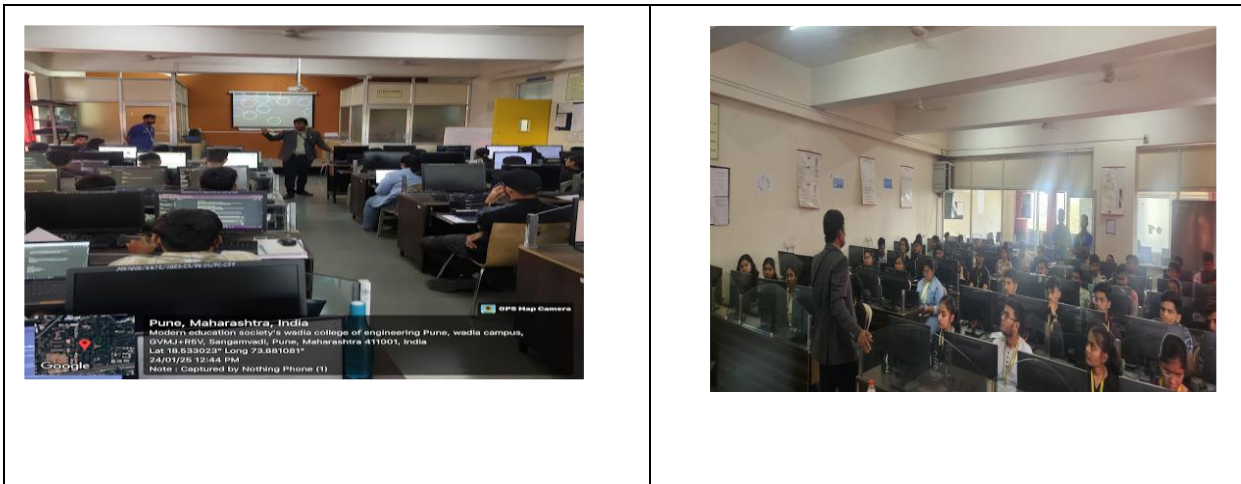
2. Electrical Vehicles: Indian Perspective & Opportunities for Freshers in ARAI

This guest lecture provided students with a unique opportunity to understand the intersection of education and industry in the field of Electric Vehicles. Mr. Abhijit Mulay's expertise, combined with his practical advice, has inspired students to build meaningful careers in this rapidly growing sector.



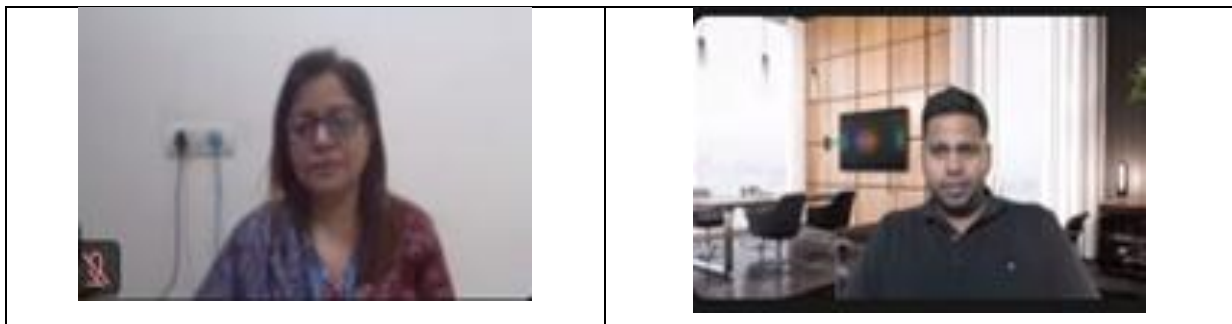
3. AI Alchemy

Organized by the Electro Infinity Club, this AI workshop led by Dr. Jaysingh Bhosale provided students with a foundational understanding of AI types, applications, and training methods. The session emphasized human augmentation over job displacement, offering practical experience with various AI tools and the fundamentals of effective prompt engineering.



4. Online Webinar on MATLAB & Simulink Campus-Wide License Implementation

The E&TC Department organized an online webinar focused on the implementation, installation, and deployment of the MATLAB & Simulink Campus-Wide License. Through interactive demonstrations, participants learned to effectively utilize MATLAB resources and portals to enhance their academic and research workflows.



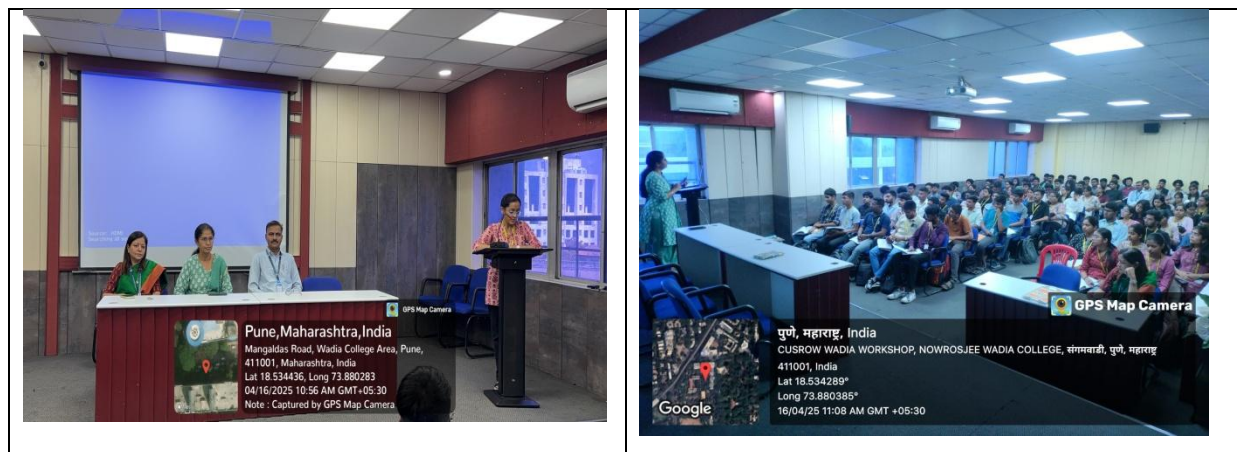
5. Guest lecture on “Innovation in Traditional Industries: Staying Competitive in a Changing Market”

Entrepreneur and startup founder Ms. Neha Zende delivered a guest lecture on digital transformation, tracing the industrial evolution from Industry 2.0 to 4.0. The session, introduced by Prof. Priyanka S. Tondewad, inspired students to apply creative thinking and adaptability to modernize traditional industries.



6. Guest Lecture on “Advanced Control Systems”

The session began with a welcome and introduction by Prof. S. S. Pansare, followed by an insightful lecture from Dr. Vrushali Raut, who is an expert in the field of control systems. The lecture was interactive, informative, and well-received by the 87 students present. Through engaging visuals and relatable applications, Dr. Raut explained advanced concepts in a clear and accessible manner.



7. Guest Lecture on Practical and Industrial approach of Power Electronics

On April 9, 2025, Dr. V.B. Shere from DY Patil COE Akurdi delivered a guest lecture to TE students on the practical and industrial applications of Power Electronics. The session focused on bridging the gap between theoretical academic concepts and the real-world challenges encountered in modern industrial power systems.



Pune, Maharashtra, India

Modern Education Society's College
Of Engineering Pune, Wadia Campus,
Gvmj+r5v, Sangamvadi, Pune,
Maharashtra 411001, India
Lat 18.534656° Long 73.880366°
09/04/2025 01:54 PM GMT +05:30

Photo # 01



Pune, Maharashtra, India

Modern Education Society's College
Of Engineering Pune, Wadia Campus,
Gvmj+r5v, Sangamvadi, Pune,
Maharashtra 411001, India
Lat 18.534671° Long 73.880364°
09/04/2025 01:55 PM GMT +05:30

Photo # 02

8. MESX 3.0

The MESX 3.0 series provided students with a comprehensive guide to global education, career strategy, and personal well-being through expert-led sessions on masters abroad, professional counseling, and spiritual health. Featuring speakers like Vicky Mulchandani and Hemant Bapat, the three-day event combined practical academic planning with holistic growth strategies for students across all departments.



Co-curricular Activities:

1. ETSA ABHIRATHA 2K25

ETSA Abhiratha 2025 successfully blended technical and non-technical events to foster innovation, leadership, and sportsmanship among participants. Driven by the efforts of the core committee and volunteers, the festival provided an enriching experience that laid the groundwork for an even larger edition next year.



2. Build a personal brand and art of storytelling

Mr. Rohan Kokil's session provided a deep dive into entrepreneurship, focusing on achieving problem-solution and product-market fit through personal experiences with his YouTube channel and sound therapy. By analyzing case studies like Colgate and Harpic, he illustrated how strategic innovation and consumer alignment are essential for building a successful brand in a competitive market.



Photo Graph#01:



Photo Graph#02:

Workshop:

1. Workshop on Prototype/Process Design and Development

This workshop enhanced students' innovation and entrepreneurial skills by tasking them with designing business modules and prototypes to address real-world problems. Through group brainstorming and presentations, participants gained hands-on experience in creative problem-solving, collaborative design principles, and business model development.



Industrial Visit:

1. Industrial Visit to SAS Automation

The E&TC Department organized an industrial visit to SAS Automation on March 18–19, 2025, providing TE students with hands-on exposure to control panel assembly and 3D driving testing operations. The visit bridged the gap between theory and practice by showcasing the company's manufacturing units and providing detailed insights into industrial automation workflows.



Photo #01: Day 1 Visit SAS Automation, Chinchwad, Pune

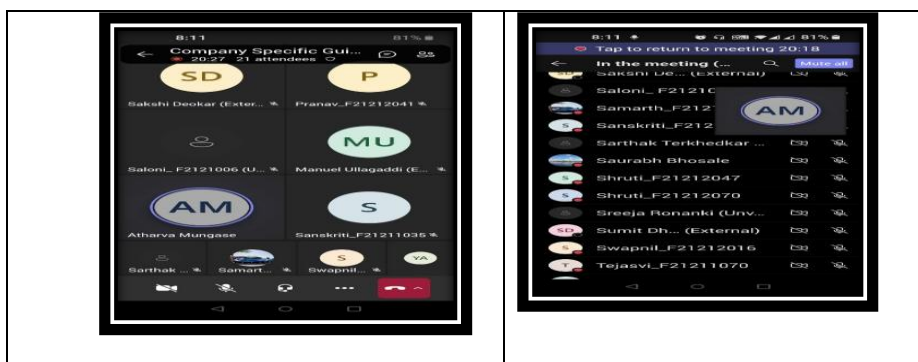


Photo #01: Day 2 Visit SAS Automation, Chinchwad, Pune

Extra-Curricular Activities:

1. Alumni Interaction - Mr. Atharva Mungase, Trinity Touch

Alumnus Atharva Mungase from Trinity Touch led an online session for BE E&TC students, bridging the gap between academia and the solar power industry through technical insights into SCADA, Modbus, and solar conversion. He detailed the company’s recruitment process and project-site travel requirements, motivating students to pursue careers in renewable energy during their upcoming campus drive.



2. Support Staff Skill Development Program on Financial Management

The Skill Development Program on Financial Management was a highly beneficial initiative that empowered the support staff with valuable financial knowledge. The practical insights shared during the session will assist them in making informed financial decisions and securing their financial future.



3. FIRODIA KARANDAK 2024-25

Wadia College of Engineering participated in the Firodia Karandak 2025 drama competition with the play "मळाईच्या नावानं.....," directed by Pratha More and written by Atharva Sanas. The team successfully navigated pre-primary and primary rounds, showcasing a multidisciplinary performance that integrated acting, live music, and diverse visual arts like live painting and charcoal art.



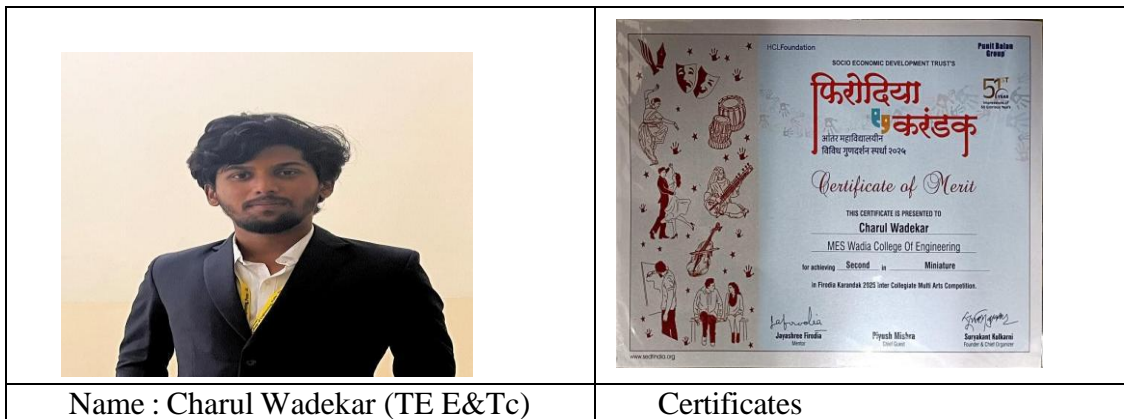
(1) First Prize in Sambal Instrument : Alok Jadhav



Alok Jadhav (FE E&Tc)

Certificate

(2) Second Prize in Miniature : Charul Wadekar and Pratik Dhavale



Name : Charul Wadekar (TE E&Tc)

Certificates

4. JHANKAAR – 2025

The Annual Social Gathering, held from February 6–8, 2025, featured a vibrant mix of cultural performances, theme day celebrations, and talent competitions. The three-day event concluded with a prize distribution and DJ night, providing a collaborative platform for students to showcase their creativity and strengthen campus spirit.



5. International Symposium and National Conference - SYNERGY 2025 10th National Conference on- “Advancement in Communication, Computing & Electronics

Synergy 2025, a two-day national conference and international symposium hosted by the E&TC Department, brought together 39 researchers and global experts to explore AI's transformative impact on education and industry. The event, featuring keynote speaker Prof. Prabhat Ranjan, bridged the gap between academia and industry through hybrid paper presentations, peer-reviewed publications, and discussions on emerging technological trends.



Our Panelist



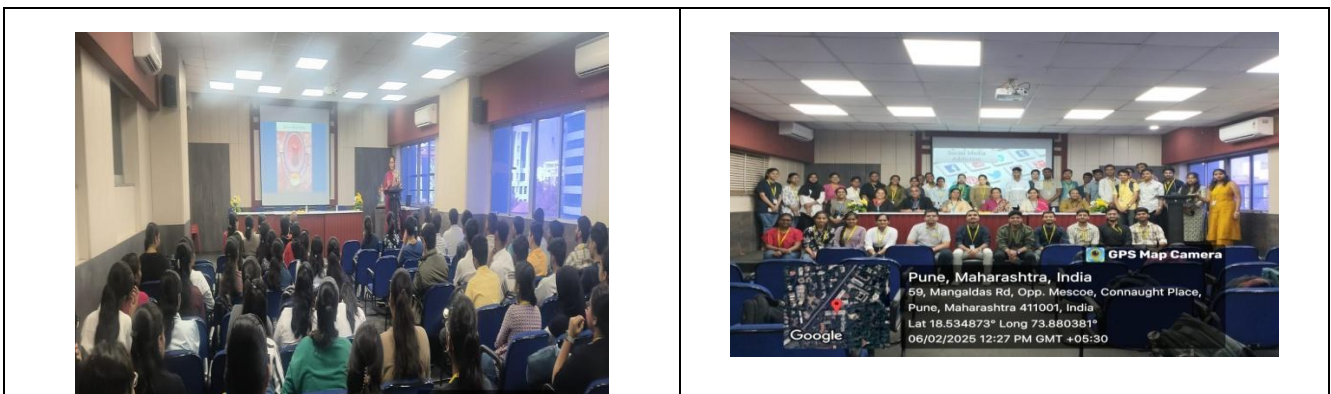
6. One day Workshop on “Self Defense” on 18 Feb 2025

The Nirbhay Kanya Abhiyaan workshop, organized by Wadia College and SPPU on February 18, 2025, provided 57 girl students with essential self-defense training under the guidance of expert Sachin Jare. The program successfully integrated physical techniques like punches and kicks with broader goals of developing self-confidence, decision-making skills, and personal well-being.



7. Expert Session on “Addiction & Technology: Gaming, Social Media, and Mental Health Awareness”, on 6th February 2025

Ms. Sonali Kale from Muktangan Vyasani Mukti Kendra led a workshop for 80 engineering students on the mental health impacts of social media and the necessity of digital detoxing. Participants learned the "SMART" framework for sensible digital behavior—focusing on mindfulness, exercise, and open communication—to reclaim personal well-being from the adverse effects of excessive screen time.



Editorial Student Team – E&TC Newsletter



Omkar Parande



Subandh dhruv deepak



Sanika Dhaiture



Shruti NAik



Disha Patil

PROGRAM OUTCOMES (POs)

1.Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2.Problem analysis: Identify, formulate,review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3.Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4.Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5.Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6.The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10.Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11.Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12.Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Apply concepts and knowledge of mathematics, basic electronics engineering to various areas like Signal processing, Embedded Systems, VLSI, Communication engineering etc.
2. Design and analyze electronic engineering problem with given specification
3. Implement Electronic and Communication system using appropriate hardware and software tools, keeping in mind it's societal and environmental effect.