

## NEWSLETTER 2024-25 (SEM II)

#### Vision

Committed to comprehensive development of students through quality technical education.

#### Mission

- 1. To Provide state of art infrastructure that shall create ambience to encourage novel ideas, research activities and consultancy services
- 2. To inspire students in creation & entrepreneurship
- 3. To create future technocrats with intelligence, technical skills,& good ethical moral values so as to serve needs of society & industries
- 4. To provide healthy Teaching-Learning environment that will cultivate contemporary research activities, in ovations & inventions
- 5. To develop Center of excellence in technical education



## **Goal of Institute**

- Imparting quality engineering education
- Provide healthy environment for physical, intellectual, emotional and spiritual growth of students and staff.
- Create aesthetically sensitive, socially committed and technologically competent Engineers.



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# OUR INSPIRATION

# Hon. Shri. Sharadchandra G. Pawar President-Akhil Bharatiya Maratha Shikshan Parishad





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# **OUR OF VISIONARY LEADERS**



Hon. Shri. Ajit A. Pawar Vice President



Hon. Shri. Shashikant S. Sutar Vice President



Hon. Mrs. Pramila B. Gaikwad General Secretary



Hon. Shri. Sandeep S. Kadam Joint Secretary



Hon. Adv. Bhagwanrao B. Salunke Joint Secretary



Hon. Shri. Vijaysinh Y. Jedhe Treasurer



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# **E&TC DEPARTMENT**

Enormous efforts are taken with an objective to embed sound academic fundamentals among students to formulate, analyse and solve real life problems related to their domain and area of expertise.

#### **VISION**

To strive students for affirming quality through innovation in technical education.

#### MISSION

1. To contribute in magnified education that enumerates and accomplishes brilliance in teaching learning process and innovation.

2. To create passion amongst students for contributing to research by providing industry exposure.

3. To inspire students and faculty by providing them various opportunities with industry oriented learning

4. To develop professional attitude, moral and ethical values among students for society

#### PROGRAM SPECIFIC OUTCOMES (#SO)

1. Analyze and design electronic circuits and machines for a given specification and function.

2. Simulate and implement functional blocks of hardware and software designs for applications using signal processing, Communication, Computer network and Control systems.

3. Analyzing social awareness and professional ethics to have successful career and to sustain passion and zeal for real world applications as an entrepreneur.

#### **PROGRAM EDUCATIONAL OBJECTIVES (PEO)**

PEO 1 - Core Knowledge - To design & amp; develop solid foundation of E&TC engineering to solve technical problems.

PEO 2 – Placement and Higher Education - To design an ability to competent with strong technological

Knowledge to solve industrial problems and make successful career in higher studies.

PEO 3 - Professional capability - To empower graduates for good communication soft skills and ethics to

Work in multidisciplinary fields.



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#### **PROGRAM OUTCOMES (PO)**

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 modelling 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 comput 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.



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# **Workshops, Seminars and Add-On Courses:**

Name of the Workshop: "Circuit Building & PCB Making" by Dolphin Labs, Pune

Date of Workshop: 20/02/2025 to 24/02/2025

Time of Workshop: 09:00 am to 05:30 pm

Name of resource Person/ Speaker: Mr.Chittranjan Mahajan, Dolphin Labs, Pune





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# **Guest Lecture:**

Name of the Subject/Topic: "Signals & Systems"

Date of Event: 27/03/2025

Time of event: 10:00 AM

Name of resource Person/ Speaker: Dr. Shilpa P. Metkar, Asst. Professor (E&TC), COEP Technological Unversity, Pune





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#### **TECHNOTHON 2025:**

Name of the Event: Technothon 2025.

Date of Event: 25/03/2025 & 26/03/2025

Time of event: 10:00 AM-05:00 PM

Event Co-ordinator: Prof. Ashwini Suryawanshi.

Participants: Students of Various Polytechnic colleges all over from India have participated in the various Competition. Project, Paper, Start-up and Poster Competition were organized by the E&TC Department.







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#### **Poster Presentation Competition of Innovations:**

Name of the Event: Poster Presentation Competition of Innovations in collaboration with IIC, APCOER

Date of Event: 25/02/2025

Time of event: 10:00 AM-05:00 PM

Event Co-ordinator: Prof. Tushar K. Zombade.

Participants: Students of APCOER





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#### SPARKTECH 2025:

Name of Event: "SPARKTECH 2K25"

Date of Event: 28/01/2025 to 01/02/2025

Time of Event: 09:00 AM to 05:00 PM

Name of Event Co-ordinator: Prof. Ashwini Suryawanshi.

In the Sparktech 2025 we have conducted Mock-Interview as Technical event.

Also various events are organized such as Singing, dancing, drama and Fashion Show.









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## **PARENT TEACHERS MEET:**

Parent Teacher Meeting of E&TC Department

Date: 04/04/2025







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# **STUDENTS ACHIEVEMENTS:**

# इनोव्हेटीव आयडिया कॉम्पिटीशनमध्ये 'अनतराव पवार अभियांत्रिव

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लो प्रभात

# पुणे : हॅलो प्रभात

अनंतराव पवार कॉलेज ऑफ इंजिनिअरिंग अँड विद्यार्थ्यांना या प्रकल्पासाठी इलेक्टॉनिक्स अँड रिसर्च महाविद्यालयातील इलेक्ट्रॉनिक्स अँड टेलीकम्युनिकेशन इंजिनी आरेंगचे विभाग प्रमुख डॉ. टेलीकम्युनिकेशन इंजिनीअरिंग विभागातील चतुर्थ अमर देशमुख व प्रा. तुषार झोंबाडे यांचे मार्गदर्शन वर्षातील विद्यार्थ्यांनी ग्राव्हीटी २०२५ या तांत्रिक मोहोत्स्वामध्ये इनोव्हेटीव आयडिया कॉम्पीटीशन स्पर्धेत सहभाग नोंदविला. ही स्पर्धा ट्रिनीटी कॉलेज ऑफ इंजिनिअरिंग अँड रिसर्च यथे पार पडली. या स्पर्धेत तिलक कन्नदीयार, साईज्योती बेडर, फारीहा

खान या विद्यार्थ्यांनी स्मार्ट बस अराईव्हल सिस्टम या संकल्पनेचे सादरीकरण केले. विद्यार्थ्यांच्या अखिल भारतीय मराठा शिक्षण परिषदेच्या या संकल्पनेस द्वितीय पारितोषिक मिळाले. मिळाले. विद्यार्थ्यांच्या या यशाबद्दल अखिल भारतीय मराठा शिक्षण परिषदेच्या सरचिटणीस मा. सौ. प्रमिला गायकवाड, महाविद्यालयाचे प्राचार्य डॉ. सुनिल ठाकरे, सर्व विभाग प्रमुख व प्राध्यापक यांनी अभिनंदन केले.

BE E&TC Department student Mr. Tilak Kannadiar, Miss. Saijyothi Bedar and Miss. Fariha Khan got Second Prize in GRAVITY Innovative idea Competition by KJ's Trinity College of Engineering & Research, Pune







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## **Mentor Mentee Meetings:**









