

## NEWSLETTER (2023-24-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, innovations & inventions
- 5. To develop Centre of excellence in technical education

## **Goal of Institute**

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

## EDUCATE ENABLE ENGAGE EMPOWER





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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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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 (PSO)

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



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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 analyse 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 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.



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#### "India's Techade: Chips for Viksit Bharat"

Date of Event: 13/03/2024

Time of event: 10:00 A.M. - 11:00 A.M.

Prime Minister Narendra Modi on Wednesday laid the foundation stone of three semiconductor projects worth about ₹1.25 lakh crore via video conferencing. He also addressed youth and Students across the country on the occasion.

The foundation stone was laid for three crucial projects: the Semiconductor fabrication facility at the Dholera Special Investment Region (DSIR), Gujarat; Outsourced Semiconductor Assembly and Test (OSAT) facilities at Morigaon in Assam, and Sanand in Gujarat.







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One Week Short Term Training Program STTP (Online mode) on "RECENT TRENDS IN ELECTRONIC COMMUNICATION AND SEMICONDUCTORS"

Name of the Program:Recent Trends in Electronic Communication and Semiconductors

Date of Program: 10/06/2024-14/06/2024

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

Event Co-ordinator: Prof. Ashwini Suryawanshi.

Participants: Faculties from different Engineering Colleges.

Designing a comprehensive training program for faculty in Electronics Communication, Semiconductor Technologies, and 5G involves several key components. The program should be structured to enhance the technical knowledge, pedagogical skills, and research capabilities of the faculty members.





# Minakshee madam explains application of semiconductor Chip & IC fabrication flow explanation



#### Dr. Rashmi Mahajan explains program logic design flow







**Valedictory Session** 



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Name of the Company: Akashwani Kendra, Shivaji Nagar, Pune.

Date of Event: 15/04/2024

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

Event Co-ordinator: Prof. Swati Gandhi.

#### Participants: SE, TE & BE E&TC Students

Students were discussed the roles and responsibilities of every section like Editing section needed knowledge of software and audio processing, Data servers required the knowledge of cloud and digital data storage concept ,announcer needs communication skills ,overall management of events and program schedules.





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## **Parents Teachers Meeting:**

#### Parents Teachers Meeting of E&TC Department of SE, TE & BE

Date: 13/04/2024







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## **TECHNOTHON 2024**

Name of the Event: Technothon 2024.

Date of Event: 03/04/2024 & 04/04/2024

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

Event Co-ordinator: Prof. Swati Gandhi.

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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## **Cultural and Sport Activities**

## SPARKTECH2024:

Name of Event: "SPARKTECH 2K24"

Date of Event: 23, 24& 25th January 2024

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

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

In the Sparktech 2024 we have conducted Mock-Interview as Technical event & Treasure-Hunt as non-technical event.

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









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## E&TC Department faculty and Students participated in Pune Maha-marathon



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## **NSS/SOCIAL ACTIVITIES**

## NSS Camp 2023-2024(9/01/2024 to 15/01/2024)

The sole aim of the NSS is to provide hands on experience to young students in delivering community service.

It provides unique opportunities to the students for group living, collective experience sharing and constant interaction with community.





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Pune, Maharashtra, India 8PW4+3HX, Maharashtra 412212, India Lat 18.344854° Long 73.70636° 09/01/24 06:12 PM GMT +05:30





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**Cleaning The Whole Ground And Making Holes For Tree Plantation** 



Cooked and Served by the students to School Students