



# COMPUTER DEPARTMENT

AKHIL BHARATIYA MARATHA SHIKSHAN PARISHAD'S



## ANANT RAO PAWAR COLLEGE OF ENGINEERING & RESEARCH



Under the Mentorship of College of Engineering, Pune

S. No. 103, Shahu College Campus, Parvati, Near Swargate, Pune - 411 009.

☎ : (020) 24218901, 24218959. E-mail : office@abmspcorpune.org • www.abmspcorpune.org

Approved by AICTE, New Delhi, Govt. of Maharashtra

Affiliated to Savitribai Phule Pune University



Institute Code EN 6794

### INSTITUTE VISION AND MISSION

#### Vision

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 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.

### COMPUTER ENGINEERING DEPARTMENT

#### Vision

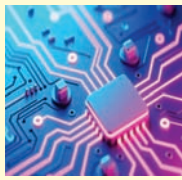
To achieve excellence in creating skilled and technical competent IT professionals through quality education and stringent college academics.

#### Mission

1. To provide quality education in the field of computer engineering through the excellent teaching learning process.
2. To mould Computer Engineering students into IT professionals through technical excellence and industry exposure.
3. To provide state of art resources and infrastructure to fulfill the needs of all stakeholders.

#### Program Educational Objectives (PEO)

1. Graduates of the Programme will leverage Engineering fundamentals in their successful careers.
2. Graduates of the Programme will exhibit innovation and technological competence in computing all through their careers.
3. Graduates of the Programme will perform to the expectations of employers, explore the opportunities for higher studies and/or show the awareness of self-business challenges.
4. Graduates of the Programme will demonstrate ethical practices, lifelong learning with the awareness of needs of the society.



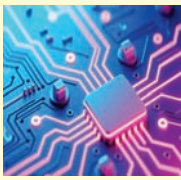
## Program Specific Outcomes (PSO)

A graduate of the Computer Engineering Program will demonstrate-

- **PSO1:Professional Skills**-The ability to understand, analyse and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying.
- **PSO2:Problem-Solving Skills**- The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.
- **PSO3:Successful Career and Entrepreneurship**- The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.

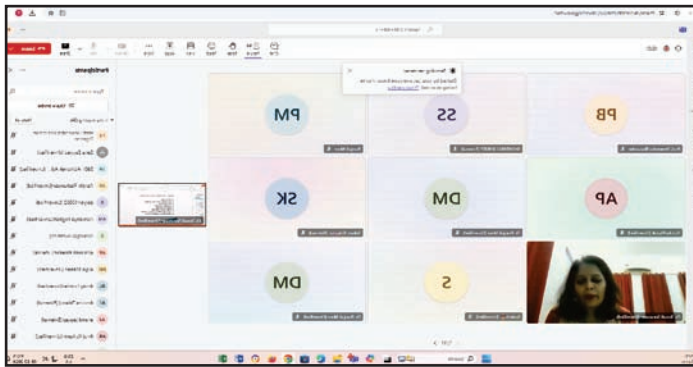
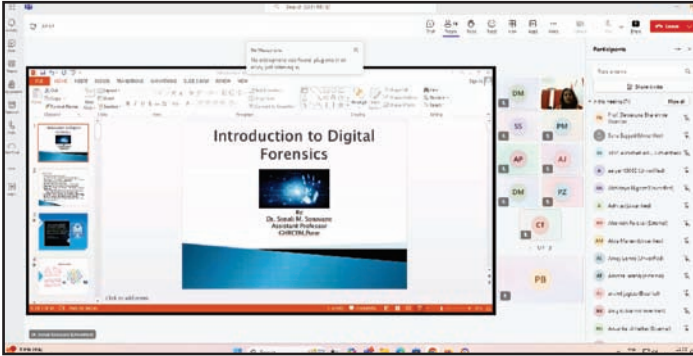
## Program Outcomes (PO)

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 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.



## WORKSHOPS

**Name of Event:** 3 days Cyber Security Workshop \* **Name of resource Person:** Dr. Sonali Sonavane and Dr. Sagar Rane  
**Date of Event:** 08/10/2024 to 10/10/2024 \* **Time of event:** 11.00 am to 04.00 pm \* **Name of Event Coordinator:** Dr. Pranjali More



**Name of Event:** 2-Days Workshop on "BE Project Toolkit – Essential Skills for Engineering Students"  
**Date of Event:** 01 st to 04 th April 04, 2025  
**Time of Event:** 11.00 AM to 01:00 PM \* Day 01: April 04, 2025  
**Topic:** Report Writing in LaTeX \* **Day 02:** April 28, 2025  
**Topic:** Guidance for Copyright



## CSI STUDENT CHAPTER

**Name of Event:** AI & ML Boot camp under CSI Student Chapter  
**Name of resource Person:** Dr. Vivek Patil  
**Date of Event:** 24/03/2025 to 26/03/2025 \* **Time of event:** 09.00 am to 01.15 pm  
**Name of Event Coordinator:** Prof. Chetna Upasani and Prof. Sambhaji Nawale



## हॅलो प्रभात



### अनंतराव पवार अभियांत्रिकीमध्ये एआय एमएल बुटकॅम्प शिबिर संपन्न

पुणे : हॅलो प्रभात

संगणक अभियांत्रिकी विभागाच्या विद्यार्थ्यांसाठी एआय एमएल सारख्या उद्योगमुख तंत्रज्ञान आणि प्रत्यक्ष सराब यावर लक्ष केंद्रित करणारा ३ दिवसांचा एआयएमएल बुटकॅम्पचे आयोजन नुकतेच करण्यात आले होते.

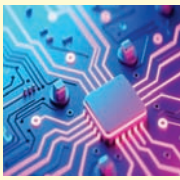
या बुटकॅम्पचा उद्देश विद्यार्थ्यांना अत्याधुनिक तंत्रज्ञान संकल्पनांची व्यावहारिक ओळख करून देणे आणि त्यांना या क्षेत्रातील करिअर संधींसह मूलभूत गोष्टी समजून घेण्यास मदत करणे हा होता.

शिबिरात विद्यार्थ्यांना एआय एमएलचा परिचय, पावथान प्रोग्रामिंग, न्यूरल नेटवर्क्स आणि

डोप लर्निंग, पॉवर बीआय, नॅचरल लॅंग्वेज प्रोसेसिंग (एनएलपी) चॅटजीपीटी संकल्पनांची विद्यार्थ्यांना ओळख करून घ्यायला मिळाली. या बुटकॅम्प आयोजन प्राचार्य डॉ. सुनील ठाकरे यांचे मार्गदर्शनखाली डॉ. रमा गायकवाड विभाग प्रमुख, संगणक अभियांत्रिकी यांनी केले.

या बुटकॅम्पसाठी प्राचार्य डॉ. सुनील ठाकरे, कार्याशाळेचे समन्वयक डॉ. रमा गायकवाड, प्राध्यापक आणि विद्यार्थी यांनी उपस्थिती नोंदविली. महाविद्यालयाने या नाविन्यपूर्ण विषयावर कार्यशाळेचे आयोजन केल्याबद्दल अखिल भारतीय मराठा शिक्षण परिषदेच्या सर्चिटरणीस सौ. प्रमिला परिचय, पावथान प्रोग्रामिंग, न्यूरल नेटवर्क्स आणि गायकवाड यांनी सर्वांचे अभिनंदन केले.

Main Edition  
Apr 05, 2025 Page No. 4



## Heritage Club

Name of Event: Shivjanmotsav

Name of resource Person: Mr. Parag Badrike \* Date of Event: 21/02/2025

Name of Event Coordinator: Dr. Rama Gaikwad

**हॅलो प्रभात**

### अनंतराव पवार अभियांत्रिकीत शिवरायांना मनाचा मुजरा

**पुणे : हॅलो प्रभात**

देशीय अखिल भारतीय मराठा शिक्षण परिषदेच्या अंतर्गत 'पवार कॅम्प'चा प्रसिद्ध 'हॅलो प्रभात' ही संस्था ही पारंपारिक शिकवणीच्या ऐवजी इंटरनेट व सोशल मीडियाच्या मदतीने शिकवणी करत आहे. या संस्थेच्या माध्यमातून अनेक विद्यार्थ्यांना शिकवणी देण्यात येत आहे. या संस्थेच्या माध्यमातून अनेक विद्यार्थ्यांना शिकवणी देण्यात येत आहे. या संस्थेच्या माध्यमातून अनेक विद्यार्थ्यांना शिकवणी देण्यात येत आहे.



कानवला सत्यनारायण डॉ. यांच्या मार्गदर्शात यांनी या कार्यक्रमाचे आयोजन केले. या कार्यक्रमात डॉ. यांच्या मार्गदर्शात यांनी या कार्यक्रमाचे आयोजन केले. या कार्यक्रमात डॉ. यांच्या मार्गदर्शात यांनी या कार्यक्रमाचे आयोजन केले.

Page No. 1



## EXPERT LECTURE

Name of Event: Expert lecture on "Data Science and Big Data Analytics"

Date of Event: 07 th April 2025

Time of Event: 11.00 AM to 01:00 PM

Name of Event Coordinator: Dr. Pranjali More

Name of resource Person: Prof. Afsha Akkalkot (COEP Technological University)



## हॅलो प्रभात

### 'डेटा सायन्स आणि बिग डेटा अॅनालिटिक्स' विषयावर व्याख्यान संपन्न

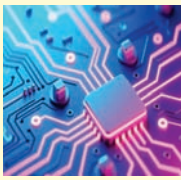
**पुणे : हॅलो प्रभात**

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Page No. 1



## EXPERT LECTURE

**Name of Event:** Expert session on "Preparation of GATE Examination."  
**Venue of Event:** Computer Engineering Department. \* **Date of Event:** 19/03/2025.  
**Time of event:** 11:00 AM to 12:30 PM \* **Name of Event Coordinators:** Prof. Amruta More  
**Name of resource Person:** Mr. Arjun Chhabra



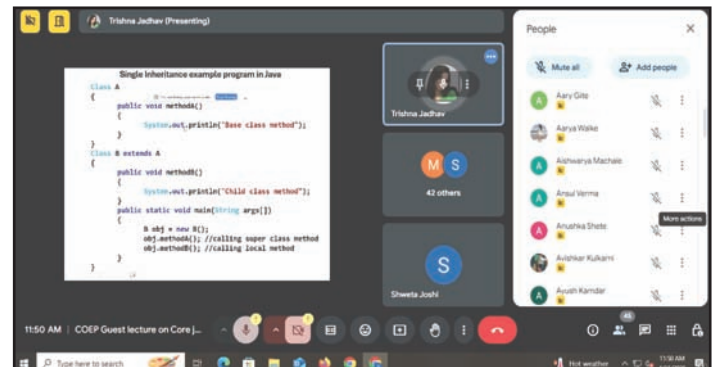
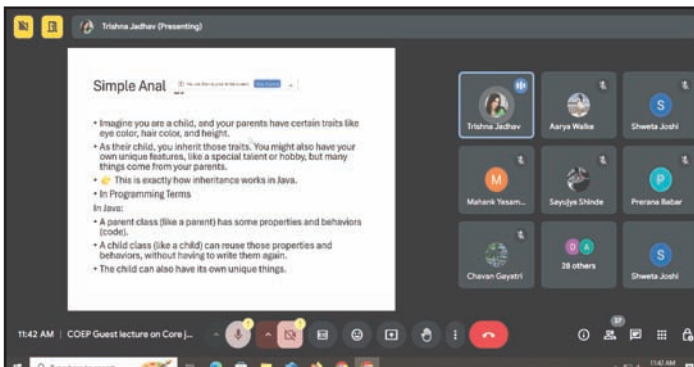
## EXPERT LECTURE

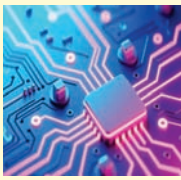
**Name of Event :** The Science of happiness \* **Venue of Event :** Computer Engineering Department  
**Date of Event:** 22/04/2025 \* **Time of event:** 10:30 AM to 11:30 PM  
**Name of Event Coordinators :** Prof. Chetna Upasani \* **Name of resource Person :** Mr. Paras Karwa



## EXPERT LECTURE

**Name of Event:** Principles of Programming language  
**Venue of Event:** Computer Engineering Department \* **Date of Event:** 15/4/2025 \* **Time of event:** 11.30am to 1.30 pm  
**Name of Event Coordinators:** Prof. Shweta Joshi \* **Name of resource Person:** Prof. Trishna Ugale





## PARENT TEACHER MEET

**Name of Event:** Parent Teacher Meet 2024-25 \* **Date of Event:** 28th February 2025

**Time of event:** 11.30 AM \* **Name of Event Coordinator:** Prof. Shweta Joshi



## INDUSTRIAL VISIT

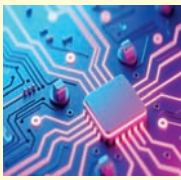
**Name of Event:** Industrial Visit at Walunj, Sambhajinagar

**Date of Event:** 8/04/2025 to 9/04/2025

**Name of Event Coordinator:** Prof. Sambhaji Nawale

- Visit Place (Address) :**
- 1) Rucha Engineers Pvt. Ltd., K-249 Sector, MIDC Waluj, Chhatrapati Sambhaji Nagar.
  - 2) Tool Tech Tooling, MIDC Waluj, Chhatrapati Sambhaji Nagar.
  - 3) Aurangabad Bench, Bombay High Court, Chhatrapati Sambhaji Nagar
  - 4) Saideep Alloys Extrusion Pvt. Ltd., Ahilyanagar





### SPARKTECH 2K25



*Techno Walk*



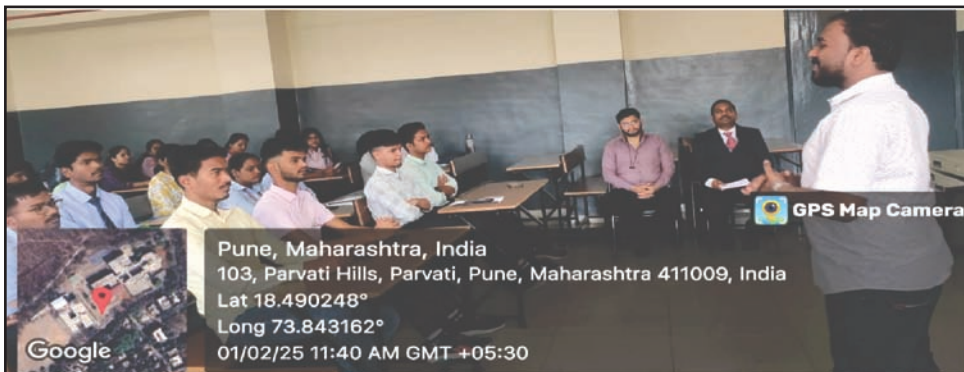
*Oli Theme*



*Sports Achievements*



*Flash Mob*



*Mock Interview*



## MoU



## ‘स्टेपअप’चा शैक्षणिक सामंजस्य करार

पुणे, दि. २० - अखिल भारतीय मराठा शिक्षण परिषदेचे अनंतराव पवार अभियांत्रिकी महाविद्यालय आणि स्टेपअप सोल्युशन्स यांच्यात शैक्षणिक सामंजस्य करार करण्यात आला. या करारामुळे विद्यार्थ्यांना करिअरसाठी आवश्यक ती कौशल्य, नाविन्यपूर्ण तांत्रिक ज्ञानाने सुसज्ज करण्यासाठी प्रशिक्षण देणार आहे. विद्यार्थ्यांना उद्योग, शैक्षणिक क्षेत्रातील परस्पर संवाद वाढवणे, तांत्रिक कौशल्य विकासास प्रोत्साहन देणे, विद्यार्थ्यांना प्रत्यक्ष उद्योगातील अनुभव मिळवून देणे आहे, हा उद्देश आहे. यातून देशाच्या शाश्वत विकासासाठी विद्यार्थ्यांना कौशल्य प्रशिक्षण देण्यात येणार आहे.

## STUDENTS ACHIEVEMENT

### Best Paper Award

