



PIMPRI CHINCHWAD EDUCATION TRUST'S  
**PIMPRI CHINCHWAD COLLEGE OF ENGINEERING &  
RESEARCH**

(APPROVED BY GOVT. OF MAHARASHTRA, AFFILIATED TO SPPU, APPROVED BY AICTE, DTE CODE - 6822)

**Year 2019-2020  
SEM-1**

Department of Computer Engineering

# HACKER BYTE

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# HOD's Desk

The department is committed towards imparting quality education and developing future technocrats in the stream of computers. It is focused towards its mission of facilitating students progress by providing strong foundation in fundamental concepts as well as inculcating core values of professionalism and ethics.

The Department is pillared by the qualified and experienced faculty; and backed by the student centered teaching learning processes. The department presents them with plenty of opportunities for applying their acquired knowledge and critical thinking skills thus striving to bridge the theory practice divide.

I attribute the phenomenal growth of the department to the winning combination of dedicated and experienced faculty, brilliant students and strong administrative support from the institute.

Regards,  
Dr. Archana Chaugule  
Head of Department,  
Computer Engineering

# **Vision of Institute**

To be a Premier institute of technical education & research to serve the need of society and all the stakeholders.

# **Mission of Institute**

To establish state-of-the-art facilities to create an environment resulting in individuals who are technically sound having professionalism, research and innovative aptitude with high moral and ethical values.

## **Vision of the Computer Department**

To strive for excellence in the field of Computer Engineering and Research through Creative Problem Solving related to societal needs.

## **Mission of the Computer Department**

Establish strong fundamentals, domain knowledge and skills among the students with analytical thinking, conceptual knowledge, social awareness and expertise in the latest tools & technologies to serve industrial demands

Establish leadership skills, team spirit and high ethical values among the students to serve industrial demands and societal needs

Guide students towards Research and Development, and a willingness to learn by connecting themselves to the global society

# **Program Educational Objectives (PEO)**

1. To prepare globally competent graduates having strong fundamentals, domain knowledge, updated with modern technology to provide the effective solutions for engineering problems.
2. To prepare the graduates to work as a committed professional with strong professional ethics and values, sense of responsibilities, understanding of legal, safety, health, societal, cultural and environmental issues.
3. To prepare committed and motivated graduates with research attitude, lifelong learning, investigative approach, and multidisciplinary thinking.
4. To prepare the graduates with strong managerial and communication skills to work effectively as individual as well as in teams.

# **Program Specific Outcomes (PSO)**

A graduate of the Computer Engineering Program will demonstrate-

**PSO1:** Problem-Solving Skills- The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality project.

**PSO2:** Professional Skills-The ability to understand, analyze and develop computer programs in the areas related to algorithms, software testing, application software, web design, data analytics, IOT and networking for efficient design of computer-based systems.

**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, and to generate IPR & Deliver a quality project.

# POs

- To apply knowledge of mathematics, science, engineering fundamentals, problem solving skills, algorithmic analysis and mathematical modeling to the solution of complete engineering problems.
- To analyze the problem by finding its domain and applying domain specific skills.
- To understand the design issues of the product / software and develop effective solutions with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
- To find solutions of complex problems by conducting investigations applying suitable techniques.
- To adapt the usage of modern tools and recent software.
- To contribute towards the society by understanding the impact of Engineering on global aspect.
- To understand environment issues and design a sustainable system.
- To understand and follow professional ethics.
- To function effectively as an individual and as member or leader in diverse teams and interdisciplinary settings.
- To demonstrate effective communication at various levels.
- To apply the knowledge of Computer Engineering for development of projects, and its finance and management.
- To keep in touch with current technologies and inculcate the practice of lifelong learning.

# Workshop on Java Programming



**Event Date:** 09/02/2019 to 12/02/2019

**Expert Person:** Mr. Tushar kute, MITU Skillologies

**Class:** SE & TE

## Objectives of the Event:

1. To enrich knowledge in Object oriented programming.
2. Hands on and complete guidance about various project in Java.
3. Guidance about game implementation in JAVA

# Recruitments and projects in DRDP



**Event Date:** 24/01/2019

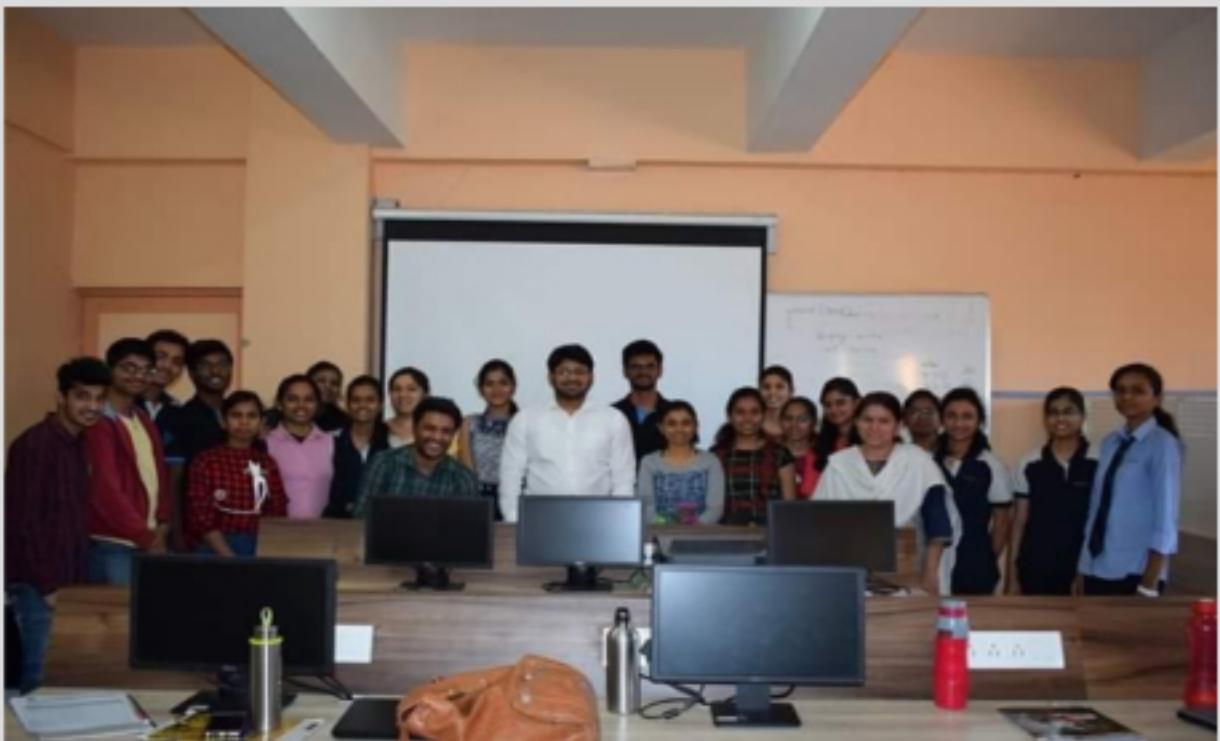
**Expert Person:** Dr. Virendra Kumar Verma

**Class:** SE & TE

## Objectives of the Event:

1. Overview of various projects run in DRDO.
2. Opportunities to research in DRDO under various projects.
3. Recruitments in DRDO through exam and projects.

# Tableau - A Business Intelligence Tool



**Event Date:** 16/02/2019

**Expert Person:** Mr. Rahul Madke( Founder and Managing Director),Techknowmatic Services pvt. Ltd. Pune.

**Class:** TE

## Objectives of the Event:

1. To understand Business intelligence concept.
2. To implement various use case using BI.

# Design & Analysis of Algorithm



**Event Date:** 28/02/2019

**Expert Person:** Dr. Prashant Dhore

**Class:** TE

## Objectives of the Event:

1. To design problem solving abilities using Mathematical theories.
2. To analyze the performance of algorithm.
3. To study algorithmic design strategies.

# Linux Administration



**Event Date:** 16/02/2019

**Expert Person:** Mr. Nolesh Warke and Mr. Romit Thite

**Class:** TE

## **Objectives of the Event:**

1. To understand open source operating system.
2. To learn how to work as Linux administrator

# Parent Teacher Meet



**Event Date :** 09th March 2019

**Participant:** SE, TE, BE Students & Parents

# ZENSAR ESD



**Date:** 03/02/2019 to 06/02/2019

**Participant:** TE students of Computer engineering Department

**Speaker:** Zensar Technologies Limited

# Industrial Visit to BARCLAYS



**Date:** 2nd & 3rd April 2019

**Participant:** TE students of Computer engineering Department

**Address:** BARCLAYS, Quadron Business Park Pvt. Ltd., Plot No.28, Block Q1, Block, Q4, Hinjawadi PhCoase 2 Rd, Hinjewadi Rajiv Gandhi Infotech Park, MIDC, Pune, Maharashtra 411057.

# Workshop on Data Analytics using Python



**Date: 28th Jan 2020 to 31st Jan 2020**

**Participant: SE Students of Computer Department.**

**Speaker: Mr. Tushar Kute (MITU Skillologies)**

Four days workshop on “ Data analytics using Python” was held at Department of Computer Engineering of Pimpri Chinchwad College of Engineering & Research from 28th Jan to 31st Jan 2020.The objective of this Workshop is to provide the knowledge of Data analytics using python as python programming is intended for software engineers, system analysts and program manager..

# C- Cube Literacy Camp



**Date: 07th Feb 2020**

On the 7th of February 2020, we conducted Literacy Campaign for ZP School Students of Zillah Parishad School Mau Village. Various events and activities led to a successful event and a great day for all the Students. Event was coordinated by Mrs. Sonali Lunawat

# Resume Writing Session



**Date: 07/01/2020**

**Participant: TE Students of Computer Engineering**

**Speaker: Ashish Salunke, Shreyash Pimpalshende, Barsha Koley**

BE students of Computer Department was help "Resume writing" session for TE students. The objective of this session was:

- To understand importance of Resume
- To provide guidelines of how to prepare resume.
- To make your resume different than others.
- To overcome common mistakes in resume.
- To share experience with juniors about themselves.

# Expert Lecture on Theory of Computation.



Date: 25th Sept 2019

Participant: TE Students of Computer Engineering

Speaker: Prof. Santosh Chobe

An Expert Lecture on “Theory of Computation” was held at the Department of Computer Engineering of Pimpri Chinchwad College of Engineering & Research on 25th Sept 2019 for TE Computer Engineering Students.

Around 65 students have attended the seminar. The Expert Lecture aimed to provide theory concepts of Theory of Computation and especially the real life problem which is solved by different methods and while solving that problem under which category they lie whether they can be solved in P, NP time. How the machine can be designed depending upon input

# Expert Session on Object Oriented Programming



Date: 24 Sep 2019

Participant: SE Student of Computer Engineering.

Speaker: Dr.Sachin Babar

An Expert session on "Object oriented Programming" was held at Department of Computer Engineering of Pimpri Chinchwad College of Engineering & Research on 24th Sept. 2019 for SE Computer Department students. Around 70 students have attended the seminar. The Expert Lecture aimed to provide theory concepts of Object Oriented Programming.

# Guest Lecture on DELD



Date: 26/09/2019

Participant: SE Students of Computer Department.

Speaker: Dr. Dipak Raut, I2IT, Hinjewadi

Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Ravet, Pune has organized a Guest lecture on "Digital Electronics and Logic Design" on 26th Sept. 2019 for SE Computer Engineering Students.

The objectives of the session:

To introduce HDL.

To introduce VHDL.

To design and implement digital circuits using VHDL.

# Seminar on CUDA Programming.



Date: 27th Sept 2019

Participant: BE Students of Computer Department.

Speaker: Mr. Tushar Harel.

Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Ravet, Pune has organized a Seminar on "CUDA Programming" on 27th Sept. 2019 for BE Computer Engineering Students.

**The objectives of the session:**

An Introduction to General-Purpose GPU Programming

Student will learn one of the fundamental ways CUDA exposes its parallelism.  
Student will able to write parallel code with CUDA C.

# FE Induction Program



Date: 17th Aug 2019

Participant: First year Computer Engineering students

Speaker: SE Students

Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Ravet, and Pune have organized a "FE Induction Program" on 17th Aug 2019 for First year Computer Engineering Students.

**The objective of this induction:**

To welcome the new admitted First year Engg students in Dept of Computer.

To convey the activities run in Department and expectations from students.

Brief introduction about Computer department.

# Implementation of Agile Methodology using Scrum



Date: 13th Feb 2019

Participant: TE students of Computer Department.

Speaker: Mr. Nilesh Pardeshi

Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Ravet, and Pune have organized a "One day workshop on Implementation of Agile Methodology using Scrum" on 13th July 2019 for TE Computer Students.

**The objective of this induction:**

- To introduce upcoming agile methodology.
- To introduce latest Scrum framework for managing product development.
- To provide activity based training with case studies and simulations.
- To provide opportunity for students to interact with industry expert/s

# Workshop on Drone assembly



Date: 12 & 13th July 2019

Participant: SE students of Computer Department.

Speaker: Team Aeranautica, E & TC Dept

Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Ravet, and Pune have organized a "workshop on Drone Assembly" on 12th and 13th July 2019 for SE Computer Students.

**The objective of this workshop:**

To enrich knowledge in making DRONE.

Hands on and complete guidance about DRONE.

Guidance about research in DRONE.

# Preparing for the future & Applications of ML/AI in the industry



Date: 25/07/2019

Participant: (SE&TE) students of Computer engineering Department

Speaker: Industry experts from 3DPLM

Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Ravet, and Pune have organized a "Preparing for the future and applications in Machine learning / Artificial intelligent in the industry" on 12th and 13th July 2019 for SE & TE Students of Computer Department.

**The objective of this workshop:**

To prepare for the future

To enhance knowledge in the field of AI/ML

# Expert session on "The road to real success" under SE Induction program.



**Date: 4th July 2019**

**Participant: SE Computer Engineering Students**

**Speaker: Dr. Nandakumar shinde**

On the 4th of July 2019, we conducted SE Induction Program, for SE Computer Engineering students. Total 62 students attended the session. The event was coordinated by Mrs. Madhuri H. Badole

Contents of SE Induction program was:

Expert session on "The Road to real success" by Dr. Nandakumar shinde

Session by alumina students (Ms. Niranjani Wagh & Ms. Saniya Naik)

Dr. Nandakumar shinde conducted the session for students based on objectives  
To develop positive attitudes towards study and work.

To evaluate their own strengths and to build on their own areas for development.

To help students fully engage in career planning

To understand and develop the skills that are required to be successful in their future pathway

To provide students with a comprehensive understanding of opportunities at key transition points and translate these effectively into appropriate decisions and actions

# Training on Interview skills by Rubicon in connection with Barclays



Date: 24th June to 26th June 2019

Participant: SE Computer Engineering Students

Speaker: Mr. Rizwan

Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Ravet, and Pune have organized "Training on Interview skills by Rubicon in connection with Barclays" from 24th to 26th June 2019 for SE Students of Computer Department.

## The Objective of this Training:

Student interview skills were improved.

Student has overcome stage fear.

Active involvement from student was seen.

# Four day Workshop on Cross Platform Mobile App Development



**Date: 31st Aug, 1st, 7th & 8th September 2019**

**Participant: SE & TE students of Computer Department**

**Speaker: Mr. Sameer Chabukswar (Subject Matter Expert,ATS Learning Solutions,New Delhi)**

Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Ravet, and Pune have organized Four day workshop on "Cross Platform Mobile App Development" from 31st Aug, 1st , 7th & 8th September 2019 for SE & TE Students of Computer Department.

**The Objective of this Training:**

- To introduce upcoming technology for cross platform mobile app development.
- To give hands-on training on the cross platform mobile app development.
- To design and develop cross platform mobile app.
- To provide opportunity for students to interact with industry expert/s

# Java Project Training: JPT



**Date: 88 Hrs (During weekends of Academic Year 2019-20)**

**Participant: TE students of Computer Department**

**Speaker: Mr. Sagar K. Gire**

Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Ravet, and Pune have organized " 88 hrs Java Project Training (JPT)" during weekends of Academic Year 2019-20 for TE Students of Computer Department.

**The Objective of the Training:**

- To acquaint students with the fundamentals of Core Java.
- To give hands-on training on Rest services using Spring framework.
- To acquaint students with the fundamentals of Angular.
- To design and develop project with Agile methodology.
- To provide opportunity for students to interact with industry expert/s

# Magazine

# Design Team



**Anuja Bhondve**  
Project In-charge



**Sushil Buragute**  
Second Year



**Melvin Fernando**  
Second Year



**Ashwin Khode**  
Second Year