

**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering & Research Ravet, Pune
An Autonomous Institute | NBA Accredited (4 UG Programs)
NAAC A++ Accredited**

An ISO 21001:2018 Certified
IQAC PCCOER



DIGI PULSE

Computer Department

2025-2026 SEM 1



PRINCIPAL DESK DR. H.U.TIWARI

INDIA TODAY STANDS AS WORLD'S THIRD LARGEST ECONOMIC POWER, ITS ECONOMY GROWING AT ABOUT 8%. THE EMERGING INDIAN ENTREPRENEURS ARE BECOMING GLOBAL. THE FIGURE OF NUMBER OF INDIANS IN THE LIST OF RICHEST PEOPLE IN THE WORLD ESCALATES EVERY YEAR. THE VERSATILE KNOWLEDGE OF INDIANS MAKES INDIA AS A PREFERRED DESTINATION FOR OUTSOURCING KNOWLEDGE, HENCE IT IS EMERGING AS A DESTINATION OF WORLD CLASS RESEARCH AND DEVELOPMENT CENTERS AND INNOVATION HUBS. YOU MUST, THEREFORE, BE HIGHLY EXCITED TO MAKE YOUR OWN CONTRIBUTIONS TO THE GROWTH AND DEVELOPMENT OF INDIA OF YOUR DREAM. I WISH YOU A VERY HAPPY AND ACADEMICALLY HIGHLY REWARDING STUDENT LIFE IN PCCOER. I ALSO HOPE THAT YOU WILL BE YOUR GOOD DEEDS ENHANCE THE PRIDE AND PRESTIGE OF THIS PRESTIGIOUS INSTITUTION.



HOD DESK

DR. VIJAY ARUN KOTKAR

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. OUR AIM IS TO: TO IMPROVE THE QUALITY OF STUDENTS RESULTS. TO INCULCATE THE RIGHT DOMAIN SKILLS REQUIRED IN COMPUTER ENGINEERING. TO CREATE PASSIONATE STUDENTS HEADING TOWARDS SELF ACTUALISATION. TO PROMOTE CREATIVE PROBLEM SOLVING RELATED TO SOCIETAL NEEDS. THE DEPARTMENT IS PILLARED BY THE QUALIFIED AND EXPERIENCED FACULTY; AND BACKED BY THE STUDENT CENTRED 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.



VISION OF THE DEPARTMENT

To produce globally competent computer engineering professionals through technical excellence, innovative and research-driven learning, and ethical responsibility, fostering holistic development to meet industry, academic and societal expectations.

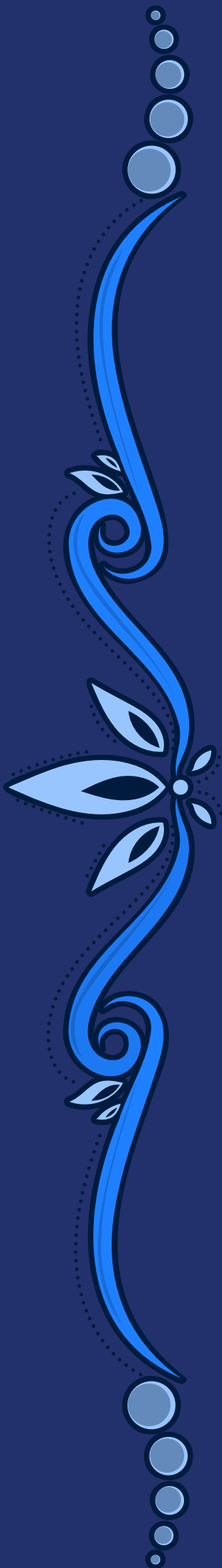


MISSION OF THE DEPARTMENT

M1: Providing a rigorous, value-based curriculum and hands-on training that develops technically skilled and ethical professionals ready to meet global industry, academic and societal challenges.

M2: Fostering a collaborative research culture that encourages innovation, critical thinking and creativity among students and faculty for solving real-world problems.

M3: Promoting lifelong learning, leadership and teamwork skills that empower graduates to excel in multidisciplinary environments and contribute positively to society.






TABLE OF CONTENT

- **Events**
- **Clubs**
- **Student
Achievements**
- **Top interns and
Placements**
- **Artistic Work**

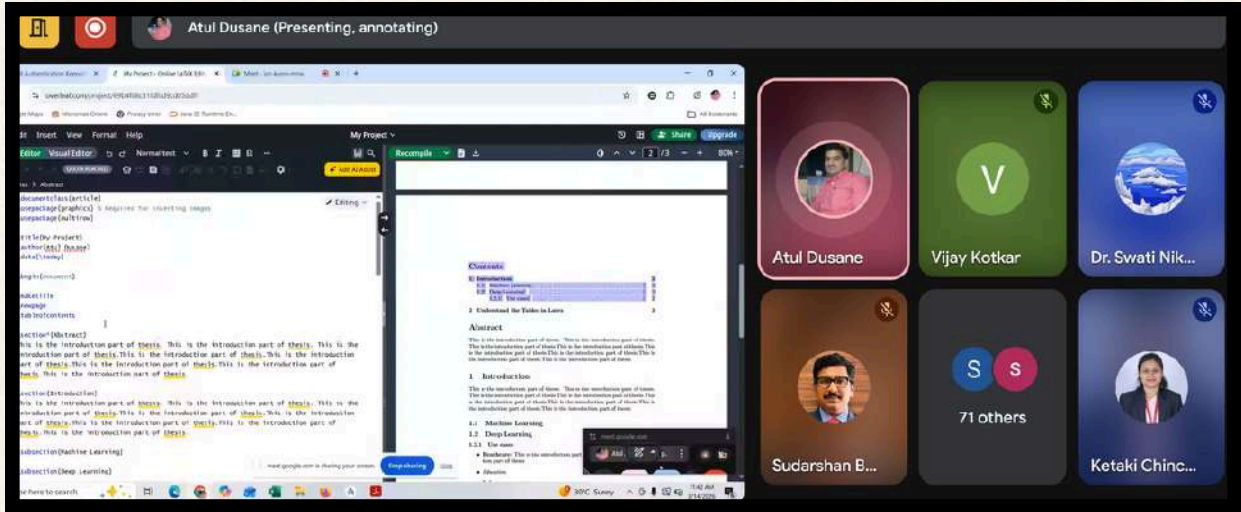


Events



LATEX WORKSHOP

Report Writing in LaTeX



Date Organized:-
14/07/2025



SE Induction and Fresher's 2K25



DATE ORGANIZED:
22/07/2025

EXPERT SESSION ON GRE & TOEFLOP Awareness of GRE and TOFEL

The GRE and TOEFL are essential, distinct standardized tests for international graduate school admissions, primarily in the U.S. The GRE (Graduate Record Examinations) assesses academic readiness (verbal/quantitative/analytical) for master's or PhD programs. The TOEFL (Test of English as a Foreign Language) measures English language proficiency for non-native speakers.

Date Organized:-
31/07/2025



INDUSTRIAL VISIT AT SOFTWARE TECHNOLOGY PARK OF INDIA, HINJEWADI PHASE-1, PUNE



Date Organized:-
14/07/2025



Expert Session on System Programming and Operating Systems

Kunal Deshpande (Presenting, annotating)

High-Level Features

- User Authentication
- Product Catalog
- Search and Filtering
- Shopping Cart
- Order Management
- Payment Gateway Integration
- Notifications (SMS/Email)
- Admin Dashboard

Participants: Kunal Deshpande, MADHURA DHAKE, Rachana Mudholkar, MAYUR TUMMEWAR, MADHURA PAWADE, 55 others, Computer HOD



Kunal Deshpande (Presenting, annotating)

Scaling the System

Horizontal Scaling:

- Add more application servers
- Load balancers

Caching:

- Redis for session & frequently viewed products

CDN:

- Serve static files (images, CSS)

Database Sharding:

- Split based on region or user ID range

Participants: Kunal Deshpande, 43 others, Computer H...

People: PRATHAM PATIL, PRAVIN KURADE, PRITHVIRAJ KOLHAPURE, Rachana Mudholkar, SAANVI MANKAR, SANKET PATIL, SHIVAM SHARMA, SHRADDHA SURYAWAN...

4:30 PM | SPOS Expert Session

RESUMAKE AND LINKEDIN BUILDIN



Date Organized:-
13/08/2025

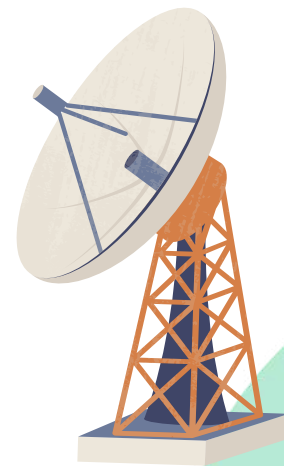


Industrial Visit at GMRT, Khodad, Nayangaon

29/08/2025



An industrial visit to the Giant Metrewave Radio Telescope (GMRT) in Khodad, Narayangaon, offers engineering and science students an in-depth look at one of the world's largest, most sensitive radio telescope arrays operating at low frequencies.



Expert Session on Search Mastery Workshop: SEO and SEM Strategies

30/08/2025

The screenshot shows a Zoom meeting interface. The main window displays a slide titled "History of SEO" with a timeline: 1990s (Birth of Search Engines), 2000s (Google Algorithm Updates), 2010s (Focus shifted to UX & mobile), and Now (AI-Powered Search). The slide also features the logo for "DIGITECH MEDIA NETWORK". The Zoom control bar at the bottom shows various icons for mute, video, chat, and other functions. The meeting name "Alankar Ganguly (Presenting, annotating)" is visible at the top.

The screenshot shows a Zoom meeting interface. The main window displays a slide titled "GEO (Generative Engine Optimization)" with a list of bullet points: "AI-driven engines (like ChatGPT, Perplexity) create summarized answers.", "It relies on AI-driven generative models instead of keyword-based indexing", "Example: Instead of showing 10 links, AI gives one detailed answer.", and "Businesses must structure data to be included in AI responses." Below the text is a screenshot of a search engine results page for "what is generative engine optimization" showing a detailed AI-generated answer. The Zoom control bar at the bottom shows various icons for mute, video, chat, and other functions. The meeting name "Alankar Ganguly (Presenting, annotating)" is visible at the top.

***Visit at Old Age Home,
Akurdi***

**02-09-
2025**



Pixelcraft Student Animation Club Inauguration



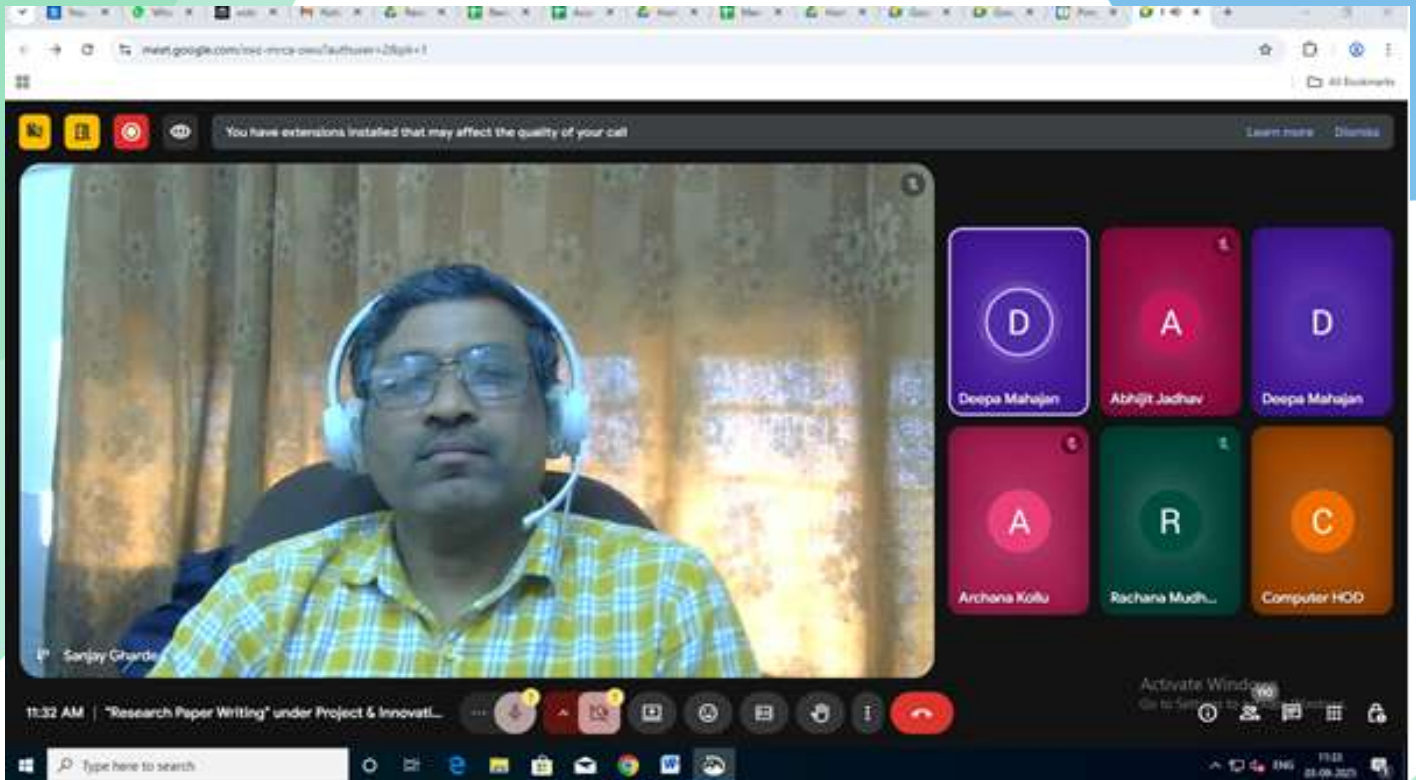
03/09/2025



Entrepreneurship Cell Inauguration



Expert Session on Research Paper Writing



03/09/2025



Clealiness Camp at Ghoradeswar





CodeArena 3.0 Event



Engineers Day Celebration

Date Organized:-
15/09/2025



National Engineers' Day is celebrated in India annually on September 15 to commemorate the birth anniversary of Bharat Ratna Sir Mokshagundam Visvesvaraya, a legendary civil engineer and statesman.

Robotics Workshop



15/09/2025



INTERNAL SIH HACKTHON



27/09/2025



Community Engagement Project (CEP) Project Exhibition



(Entrepreneurship Development (ED) Project Exhibition



Robohawk- Introduction Session



01/10/2025





CraftVerse-2025 (Mini Hackathon)





Clubs



THE ANNUAL NATIONAL LEVEL ROBOTICS COMPETITION PCCOER,PUNE

ROBO RASHTRA '26

RISE OF ROBONATION, BHARAT LEADS THE WAY 2K26



RoboHawk, where innovation meets passion. Our student-driven Robotics Club at PCCOE&R under the guidance of Dr. Mahendra B. Salunke, is led by the dynamic leader Om Khare. RoboHawk has executed diverse projects in 3D printing, drones, and robotics. It offers hands-on learning, collaboration, and innovation opportunities



ROBOHAWK



COMPUTER COSMOS CONSORTIUM

C-Cube is a college club that organises tech as well as non-tech events with the aim to build a community in college and help students with a holistic growth

□ ANDROID WORKSHOP: It was a ten day app development workshop which was conducted by an industry expert giving the TE students a good experience and hands-on.

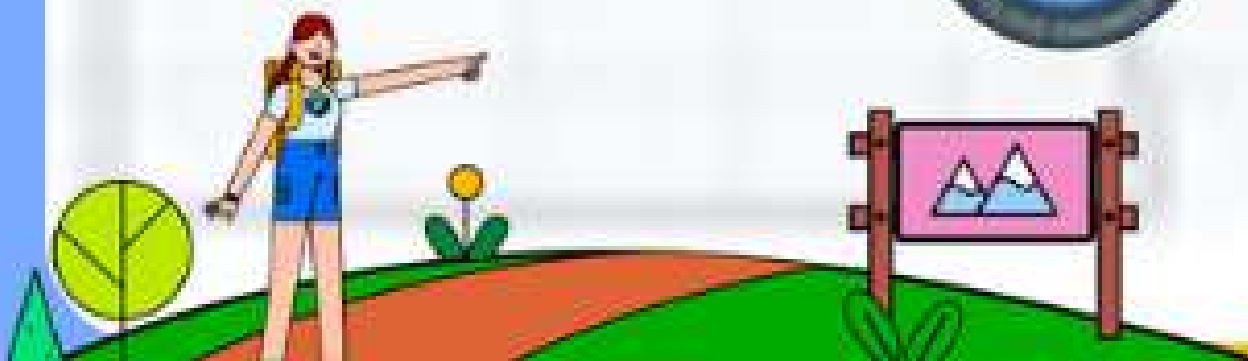


What is **NGDSC**?

Next Gen Developers Student Club is a university-based community group for students passionate about cutting-edge technologies and software development. Open to students from all undergraduate or graduate programs, the club fosters peer-to-peer learning, skill enhancement, and real-world problem-solving based on GDG

At Next Gen Developers, we bring together a diverse group of students to collaborate, innovate, and build impactful solutions for local businesses and the community. Our goal is to create an environment where aspiring developers can grow, connect, and shape the future of technology.

Events Timeline- NGDSC?



EVENTS





Code Craft Club is a student-driven technical club that focuses on enhancing coding skills, logical thinking, and creativity among students. It provides opportunities to learn programming languages, web development, app development, data structures, and problem-solving techniques through practical sessions and hands-on projects.

The club regularly organizes workshops, coding competitions, hackathons, guest lectures, and technical events to promote innovation and teamwork.

It also helps students prepare for placements, internships, and career opportunities in the IT and software industry by building strong technical and communication skills.

Objectives

1. **Skill Development:** CodeCraft aims to enhance students' programming skills, enabling them to become proficient in various languages and tools relevant to engineering disciplines.

2. **Project Collaboration:** CodeCraft fosters a collaborative environment where students work on coding projects, encouraging teamwork, idea exchange, and practical application of coding concepts.

3. **Networking Opportunities:** CodeCraft provides a platform for students to connect with like-minded individuals, industry professionals, and alumni, facilitating valuable networking opportunities.

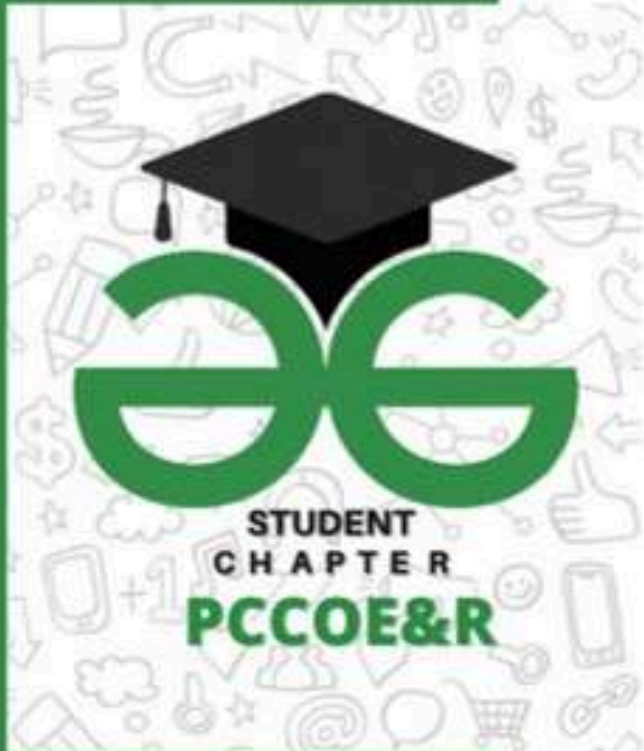
4. **Competitive Edge:** By participating in CodeCraft, students can gain a competitive edge in the job market, as they develop practical coding experience and problem-solving abilities.

5. **Innovation and Creativity:** CodeCraft encourages innovative thinking and creativity by engaging students in coding challenges, hackathons, and workshops, fostering an environment conducive to technological innovation.

Are you
ready?



GEEKS FOR GEEKS STUDENT CHAPTER PCCOER



GeeksforGeeks Student Chapters are university-based community chapters creating a coding culture for students interested in Computer Science and other core technical competencies also to make the igniting technical minds to execute their knowledge in productive way.

OUR MISSION

- To build a strong network of igniting young minds to create a change for the future.
- To amplify the impact and to bring together the peers to learn new skills, solve real-world problems, and build communities across the campus.
- To bring a revolutionary change in campus community with 3 LRE Formulation - LEARN-RESEARCH-EXPLORE.

Faculty Coordinator :
Prof.Gowind Suryawanshi



HEY GEEKS !

Geeky Team Of GFGXPCCOER



BY JOINING GFGXPCCOER, STUDENTS WILL HAVE OPPORTUNITY TO :

- Get an internship opportunity at Geeks For Geeks.
- Grow their knowledge in peer-to-peer learning environment.
- Learn to build effective and optimized solutions for local businesses and their community as per the latest technology trends.
- Great learning and networking experience.

ACM-W

ACMxPCCOER CHAPTER

Association for Computing Machinery Women (ACM-W) is a global initiative that supports, celebrates, and advocates for women in computing and technology. It aims to increase the participation of women in computer science through workshops, mentorship programs, networking events, technical sessions, and leadership opportunities. ACM-W helps students build confidence, technical skills, and career growth in the field of computing.



ACMxPCCOER Student Chapter

ACM believes that every student is unique, with different talents, learning styles, and strengths. Not all students perform best in traditional academic environments, but many excel in fields better suited to their abilities. Whether in public relations, engineering, or technical applications, there are many talented students with strong emotional intelligence and great academic potential. These qualities are highly valued in today's job market. ACM recognizes the importance of these diverse skills and remains committed to creating opportunities that help students grow, succeed, and build strong personal and professional careers. Through workshops, mentorship programs, technical events, coding competitions, and leadership opportunities, ACM encourages students to explore their interests, improve their technical and communication skills, and prepare confidently for future challenges. It also provides a platform for networking, teamwork, innovation, and industry exposure, helping students become well-rounded professionals ready for success in both academics and careers.

Activities Conducted BY ACMxPCCOER





PixelCraft



Department of Computer Engineering



PRESENTS

CRAFTING MOTION CREATING STORIES

A student animation club where imagination meets motion. Create, animate, and bring your ideas to life.





STUDENTS
ACHIEVEMENTS
&
CERTIFICATE

STUDENT ACHIVEMENTS

- 1. GAIKWAD SWATI ASHOK (TE)- NSS (National)**
- 2. SRUSHTI HARISHCHANDRA PAWAR (TE)- NSS (National)**
- 3. BHARGAVI SACHIN KALBHOR (SE)- Inter collegiate basketball competition & Zonal level netball competition**
- 4. JADHAV PRANIT PRASHANT (SE)- GDG On Campus Solution Challenge**
- 5. SARTHAK SANTOSH PAWAR (SE)- GDG On Campus Solution Challenge**
- 6. PREM SAHEBRAO KHAIRNAR (SE)- GDG On Campus Solution Challenge**
- 7. HEMANTSINGH RAJPUT (SE)- SPPU INTER COLLEGE FENCING COMPETITION (selected for the next level)**
- 8. ANVI SHARMA (SE)- WWT All India Women Only Hackathon**
- 9. KHUSHI AGRAWAL (SE)- WWT All India Women Only Hackathon**
- 10. PIYUSHA AMRUTKAR (SE)- WWT All India only Hackathon**

SPPU Examination: TE-COMP (2019 PAT)

A.Y. 2025-26 (Term I)

TE Topper's List



• NAME	SGPA
DHAKE MADHURA KANCHAN	10
KANCHAN RAM GARAD	10
KHARAG HITAKSHI KULBHUSHAN	10
SHREESH SANDEEP TRIPURWAR	10
ARYA NAIK	9.86
DHAKANE VRUSHALI SUNIL	9.86
GARIBE YASH MAHESH	9.86
GAURI GAJANAN WANKHEDE	9.86
JADHAV GAURI VIKAS	9.86
PATIL OMKAR TANAJI	9.86
PATIL VAISHNAVI SANDIP	9.86
PRERANA SADASHIV YESUGADE	9.86
TEJWANI SRUSHTI SATISH	9.86
AAYUSHI NITIN DHAWAS	9.71
ALAWANE BHAVESH PRAVIN	9.71
BARGE SHANTANU VIKAS	9.71
DEERAJ CHANDRASHEKHAR PATGAR	9.71
HADAVALE SANIKA RAJENDRA	9.71
KADAM NISHA ANIL	9.71
KULKARNI ASMITA ANIL	9.71
PATEL IMRAN KASHIM	9.71
RUTUJA RAMESH BIRADAR	9.71
THORAT DHIRAJ SHARAD	9.71

SPPU Examination: TE-COMP (2019 PAT)

A.Y. 2025-26 (Term I)

TE Topper's List



• NAME	SGPA
ATHARVA GHADGE	9.57
BHANGALE TEJAS BALU	9.57
BHIRUD POORVA SACHIN	9.57
CHATURVEDI ALOK PURUSHOTTAM	9.57
DESHMUKH KHUSHI SACHIN	9.57
DESHMUKH VAISHNAVI MAHENDRA	9.57
GAIKWAD SWATI ASHOK	9.57
GITTE PRIYA JIVAN	9.57
GORE MRUNMAYEE GANESH	9.57
INGAWALE RUTUJA SURESH	9.57
JOSHI RUCHITA BASANT	9.57
MAYURI RAJU YENARE	9.57
MUSMADE RIYA AVINASH	9.57
PATIL PRAGATI PRAVINKUMAR	9.57
PATIL VEDANT VAIBHAV	9.57
PAWAR SRUSHTI HARISHCHANDRA	9.57
SALDANHA GRESHAL WILFRED	9.57
SHINDE SAKSHI DADASO	9.57
TARE ROHIT SURESHBABU	9.57
TONGAONKAR MRUDULA MILIND	9.57
RAJ MAROTI RAJURKAR	9.48



SPPU Examination: BE-COMP (2019 PAT)

A.Y. 2025-26 (Term I)

BE Topper's List



• NAME	SGPA
SNEHA BHARAT GOTARNE	10
BHARATI ACHAL OMPRAKASH	9.85
BORDE ALISHA SUNIL	9.85
HEDAOO CHHAYA YASHWANT	9.85
PARDESHI ADITYA RAJESH	9.85
PATIL ABHINANDAN RAJARAM	9.85
SHAHARE SUJAL NARENDRA	9.85
SHRIRAM ARATI BALU	9.85
SOHAN DINESH YEOLE	9.85
RATHOD SEJAL SUDHAKAR	9.8
CHOUGULE HIMANSHU	9.7
DABADE OMKAR SAYAJI	9.7
GHARGE SANIKA SAMBHAJI	9.7
JADHAV AARYA DEEPAK	9.7
LADKAT SHRAVANI YOGESH	9.7
PATIL KAJAL DEELIP	9.7
TANDEKAR DOWA GAJANAN	9.7
WAGH YASH DATTATRAY	9.7
YEWALE PRASAD NARENDRA	9.7
SHINDE SAKSHI SANTOSH	9.65



Top Inters and Placement



Top Internships



Tanay Pravin Naphade

Addepar
Rs.50,000

**Sidharth Vijay
Sinhasane**
Addepar
Rs.50,000



**Advait Mangesh
Mandhare**

Baker Hughes
Rs. 40,000



Top Internships



Sneha Pravin Adhalrao

Baker Hughes

Rs. 40,000

Top Placements



**Shivam Prakash
Attarkar**

Semtech

13.18LPA



Suyash Chintaman
Shinde

Connectwise

10LPA

Prasad Narendra
Yewale

SAS R&D

10LPA



Siddhesh Ramesh
Patole

SAS R&D

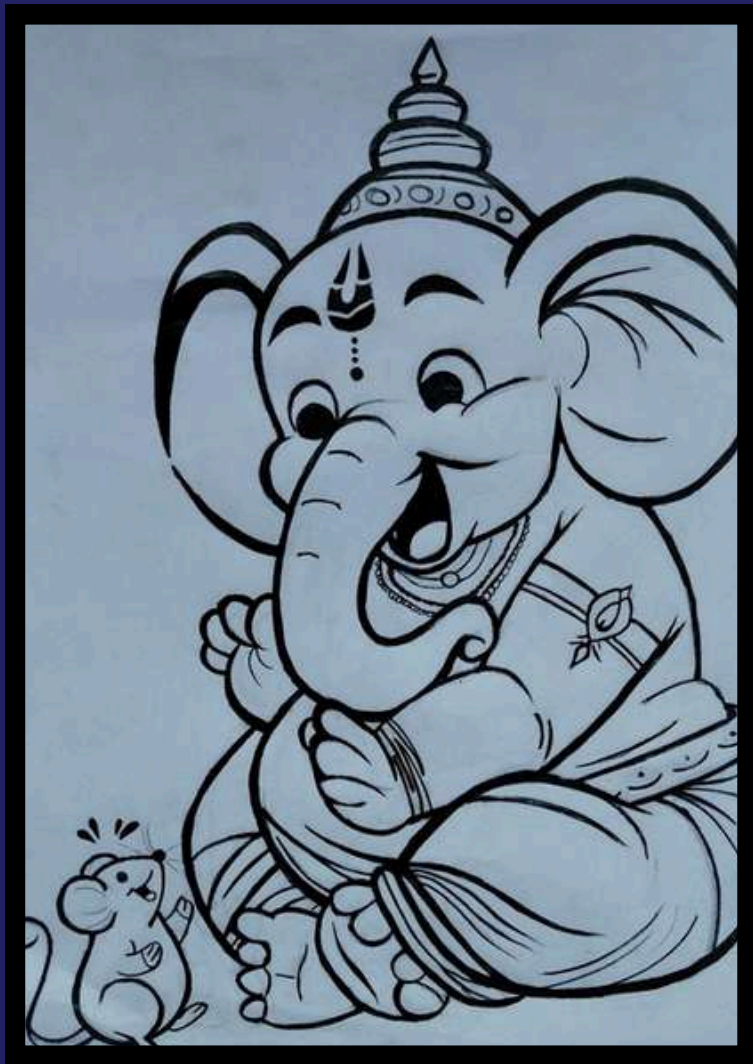
10LPA



The background features thick, expressive brushstrokes in vibrant colors. A large blue stroke curves from the top left towards the center. A red stroke with a teal tint runs diagonally from the top right towards the bottom left. A yellow stroke is visible in the center, partially obscured by the text. The overall composition is dynamic and artistic.

**ART &
CREATIVITY
SECTION**







Computer Department Teacher's



EDITORIAL TEAM



**FACULTY CO-ORDINATOR :-
MRS. NILAM AJAY JADHAV**

- 1. SHIVRAJ PATIL**
- 2. KRUSHNA PAWAR**
- 3. HEMA RATHOD**
- 4. SAMIKSHA PUNDE**