Vivekanand Education Society's Institute Of Technology

(Autonomous Institute Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Department of Computer Engineering

परिरव्य

ISSUE 22, November-2025

"A Computation of Dreams"

MESSAGE FROM THE DEPARTMENT

Dear Students,

In today's rapidly evolving digital era, the world of computer engineering stands at the forefront of innovation and transformation. Our department continues to nurture curiosity, creativity, and critical thinking — the cornerstones of technological excellence. This academic year has been marked by remarkable student engagement, groundbreaking projects, and strong collaborations with industry and research partners. From advancements in Artificial Intelligence, Machine Learning, and Cybersecurity to explorations in IoT, Blockchain, and Cloud Computing, our students and faculty have embraced the latest technological trends, bridging theory with real-world applications.As we move ahead, our focus remains steadfast — to provide an ecosystem that inspires innovation, encourages interdisciplinary learning, and prepares our students to be the architects of tomorrow's digital future. Your active participation in academic, technical, and co-curricular endeavors continues to reflect the spirit of excellence that defines our department. Together, let us continue to learn, innovate, and lead in shaping the technological landscape of the future.

Prof. Geocey Shejy
Assistant Professor

"Optimism is the faith that leads to achievement. Nothing can be done without hope and confidence." -Helen Keller

Ratan Tata: "I don't believe in taking the right decisions. I take decisions and then make them right."

VISION OF THE DEPARTMENT

To create center of excellence in computing by imparting quality education for developing competent professionals.

MISSION OF THE DEPARTMENT

- To provide enabling environment through excellence in teaching & learning to contribute towards industry and society.

- To promote and strengthen interdisciplinary approach in innovation, creativity and research.

- To facilitate productive employment and higher studies with entrepreneurial attitude and professional ethics.

What's Inside?

- STUDENT PORTFOLIO
- FACULTY CONTRIBUTIONS

STUDENT PORTFOLIO

STUDENT ACHIEVEMENTS

- ▶ **Academic Excellence**
- ▶ **Placement Activities**
- ▶ **Skill Development Activities**
- ▶ **Tinkerers' Lab : Code Cell Activities**
- ▶ **Project Innovations / Competitions**
- ▶ **Industry Projects**
- ▶ **Industry Visits**
- ▶ **Co-Curricular Activities**
- ▶ **Extra-Curricular Activities**
- ▶ **Alumni Interactions**
- ▶ **Internships**
- ▶ **Scholarships**
- ▶ **Achievements**

1. ACADEMIC EXCELLENCE

Statistical graph illustrating the performance of the students by the end semester results from the University of Mumbai and VESIT(2024-25):

The following graph shows the pass counts and end semester performance of students for Semesters IV to VIII

Computer Engineering Pass Percentage Even semester 2024-25

	Sem 4	Sem 6	Sem 8
Pass %	98.07%	98.52%	99.04%
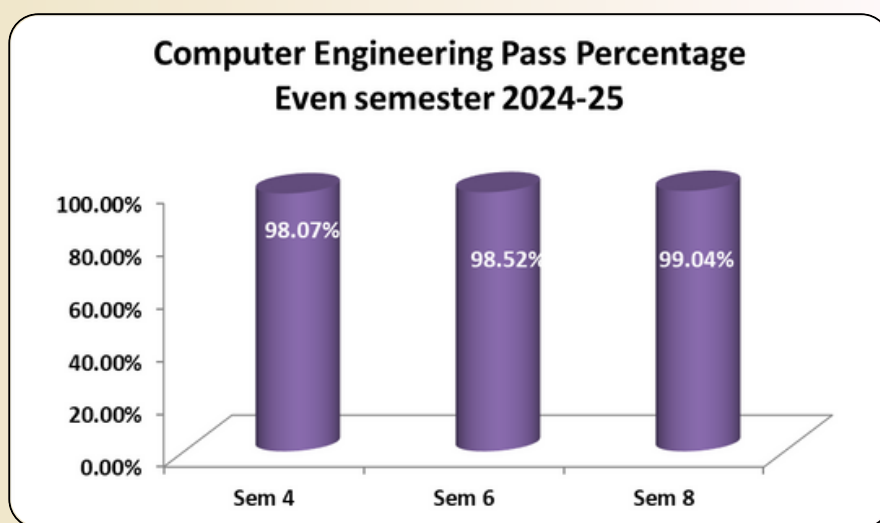
2. HIGHER STUDIES

20 students got admissions and joined for higher studies in Indian and foreign universities during the academic year 2024-25
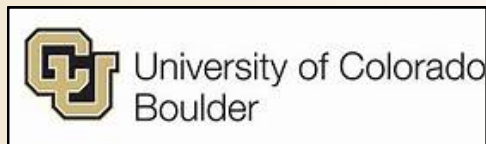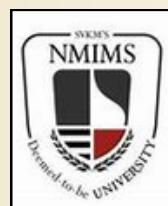
PLACEMENT ACTIVITIES

- The process of placement started in the third week of July 2025 with dream companies like **JP Morgan Chase** & **Co.-CFG**, **Institutional Shareholder Services (ISS), Nomura, Dolat Capital, Carwale, Nomura, IVP, Quantiphi**, etc., followed by non-dream recruiters such as **Capgemini and Exponentia AI**.
- Like every year, this year's students have also performed extremely well. Students participated in a coding contest organized by JP Morgan & Chase - Code for Good (CFG), Nomura-KakushIN, and a few students have received placement opportunities through these contests.
- Some students have got full-time placement offers through internships.

18 COMPANIES VISITED
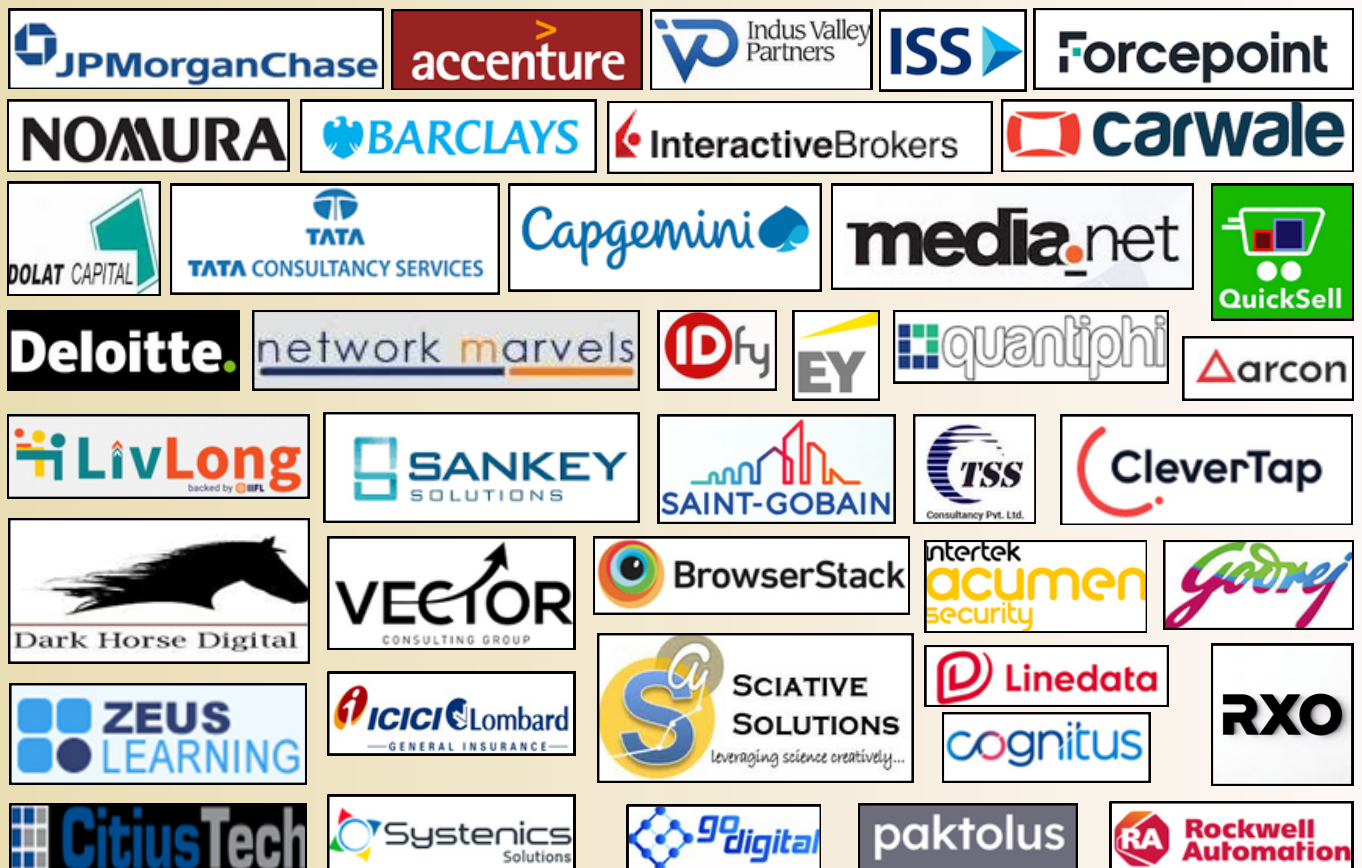
No. of Job Offers	Highest Salary (Lacs/Annum)	Average Salary (Lacs/Annum)
62	**14**	**6**

> All the powers in the universe are already ours. It is we who have put our hands before our eyes and cry that it is dark. - Swami Vivekananda

PLACEMENT ACTIVITIES

ISS CTC-14 LPA

Aadil Shah
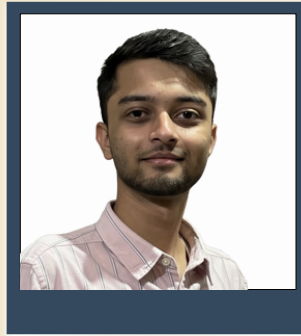
Dipeshbhai Patel

Tarunkumar Gatla
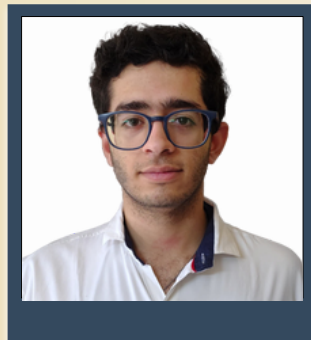
Varun Budhani

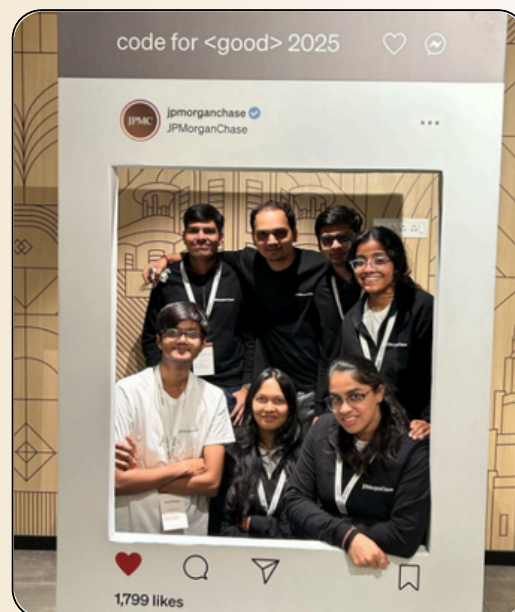**Khushi Jeswani**

NOMURA CTC-13.66 LPA
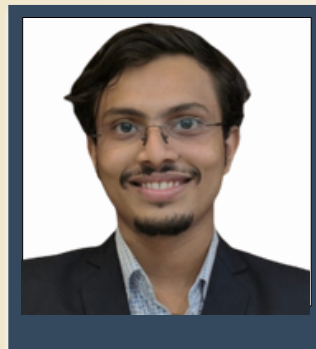
Darshan Khapekar

HACKATHON WINNERS

JP MORGAN AND CHASE

- **Name:** Jennifer Cheriyan
- **HACKATHON NAME:**Code for Good 2025 Hackathon held at JPMC, Goregaon
- **Dates:** June 7–8, 2025
- Her team built a solution for Vidyoday (rural education NGO) using Next.js, Firebase & Flask, and won the Vidyoday Problem Statement, earning Apple iPads & goodies.

NOMURA

- **Name:** Darshan Khapekar
- **HACKATHON NAME:**Nomura's KakushIN 9.0 Hackathon, held at the Nomura Office, Powai
- **Dates:** July 4–5, 2025
- Darshan Khapekar received a Pre-Placement Offer (PPO) from Nomura with a CTC of ₹13.66 LPA.

JP MORGAN AND CHASE

- **Name:** Veda Patki
- **HACKATHON NAME:**Code for Good 2025 Hackathon held at JPMC, Goregaon
- **Dates:** June 7–8, 2025
- Collaborating with SpacECE India Foundation on a digital platform for early childhood education. Her team's MERN + Flask solution won 1st Position (Top Winners) for its innovation and inclusivity. Veda also received an Internship at JPMC with a stipend of ₹80,000.

CAMPUS READINESS SESSIONS : INHOUSE

The placement cell of the department conducted in-house Campus Readiness Sessions
that included Campus to Corporate (C2C) Program
1. **Employability Essentials – 1: Academics, Resume & Project Foundations** activity on 20th September 2025, specifically tailored for SE students, Speaker: **Dr. Dashrath Mane.**

2. **Employability Essentials – 2: Skill Portfolio, Resume Advancement & Aptitude activity** on 14th October 2025, for TE students , Speaker: **Dr. Dashrath Mane**

CAMPUS TO CORPORATE (C2C) PROGRAM

We all need people who will give us feedback. That's how we improve. - Bill Gates

SKILL DEVELOPMENT ACTIVITIES

SKILL ENHANCEMENT LECTURES

- Skill Enhancement Lecture on **"Data-Powered Innovation: Transforming Ideas into Impact"** was conducted by **Mrs. Surabhi Chandra**, Senior Scientist, Bhabha Atomic Research Centre (BARC), on 16th September 2025, for our Second-Year students for the subject **Database Management System.**

- A Skill Enhancement Lecture on **"From Exploit to Evidence: Ethical Hacking and Forensic Science"** was conducted by **Mr. Deepak Bagal**, Cyber Security Expert and Trainer, Cybertech Infosolutions, on 11th August 2025, for our Third-Year Students for the subject **Cryptography and System Security.**

SKILL DEVELOPMENT ACTIVITIES

SKILL ENHANCEMENT LECTURES

- A Skill Enhancement Lecture on **"AI & ML Algorithms: Design, Innovative Application and Research Challenges"** was conducted by **Dr. Anu Gokhale**, Professor & Chair Department of Computer Information Systems Saint Augustine's University Raleigh, NC, USA, on 17th October 2025, for our Third-Year Students for the subject **Data Warehousing and Mining.**

BUSINESS PITCH – AI DRIVEN INNOVATION

- **Date(s) of the event:** 18/09/2025 & 22/09/2025

- **Total Participants:** 190

- The event **Business Pitch – AI Driven Innovation** was organised as part of the Multi-Disciplinary Minor for AIML, and it aimed to encourage innovative thinking and entrepreneurial spirit among second-year students. It provided a platform for participants to present AI-driven business ideas, fostering creativity, collaboration, and practical application of emerging technologies.

SUMMER INTERNSHIP 2024-25

INNOVATIONS THROUGH PROJECTS

The **Summer Internship 2024-25**, organised by the **Department of Computer Engineering** under the guidance of VESIT-IQAC and VESIT-IIC, was conducted from **25th May to 25th July 2025** as part of the initiative **"Innovation through Projects."** Coordinated by **Dr Rohini Temkar**.

86 students completed **16 internship projects** under the mentorship of 9 department faculty members. The projects explored diverse and emerging domains such as **Artificial Intelligence, Machine Learning, Computer Vision, Natural Language Processing, Edge Computing, and Data Analytics**.

Participants included **52 students from the Second Year** and **34 students from the Third Year**, showcasing enthusiastic participation across both batches.

KNOW YOUR DEPARTMENT: ORIENTATION PROGRAMME

The Department of Computer organised a **"Know Your Department: S.E. (Computer Engineering) Orientation"** program on 11th August 2025 to familiarise students with the department's NEP syllabus, infrastructure, projects, R&D, placements, exams, and Code Cell activities.

CERTIFICATION EXAMS

No of Student certifications = 13

No of Students Registered = 80

TINKERER'S LAB : CODECELL ACTIVITIES

BEYOND CODE: APPLICATIONS OF MCP & AGENTIC AI

- **Date of the Event** : 25/08/2025 & 26/08/2025
- **Speakers** :
  - Hannan Chougle, Final Year, CMPN
  - Harshavardhan Khamkar, Third Year, CMPN
  - Aanchal Gupta, Third Year, CMPN
- **Coordinators :**
  - Prof. Mr. Richard Joseph, Codecell++ Student Team
- **Number of Student Participants: 86**
- **Number of Faculty Participants: 18**

The workshop introduced students to Agentic AI and MCP fundamentals, demonstrating how to build AI tools using Google's ADK. It blended theory with live coding, encouraging participants to explore emerging frameworks and create real-world automation tools collaboratively.

TINKERER'S LAB : CODECELL ACTIVITIES

DSA HEADSTART: LEARN, COMPETE AND INNOVATE

- **Date(s) of the Event** : 24/09/2025 & 30/09/2025
- **Duration of the Event :** 4 Hours
- **Speakers** :
  - Kushagra Kumar, Second Year, CMPN
  - Veda Patki, Third Year, CMPN
  - Sahil Tanwani, Third Year, CMPN
  - Gaurang Gade, Third Year, CMPN
- **Number of Student Participants: 131**

The workshop strengthened students' DSA skills, focusing on patterns, arrays, and hashmaps to boost problem-solving and confidence for coding contests and interviews.

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Chembur, Mumbai, Maharashtra 400074, India
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09/24/2025 03:07 PM GMT+05:30
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CodeCell++ Tinkerer's of Computer Engineering
(In Association with VESIT IQAC and VESIT IIC)

DSA HEADSTART:
LEARN, COMPETE AND INNOVATE

Exclusive Github Goodies for top participants

DAY 1
24th Sept '25
- Subarrays
- Two Pointers
- Sliding Window
- Arrays
- Prefix Sum
- Difference Arrays

Veda Patki   Kushagra Kumar

DAY 2
30th Sept '25
- Subsequence
- Hashmaps
- Patterns on Hashmaps

Sahil Tanwani   Gaurang Gade

B32
2:30 PM

ONLINE CONTESTS
27th Sept and 4th Oct

Open For All
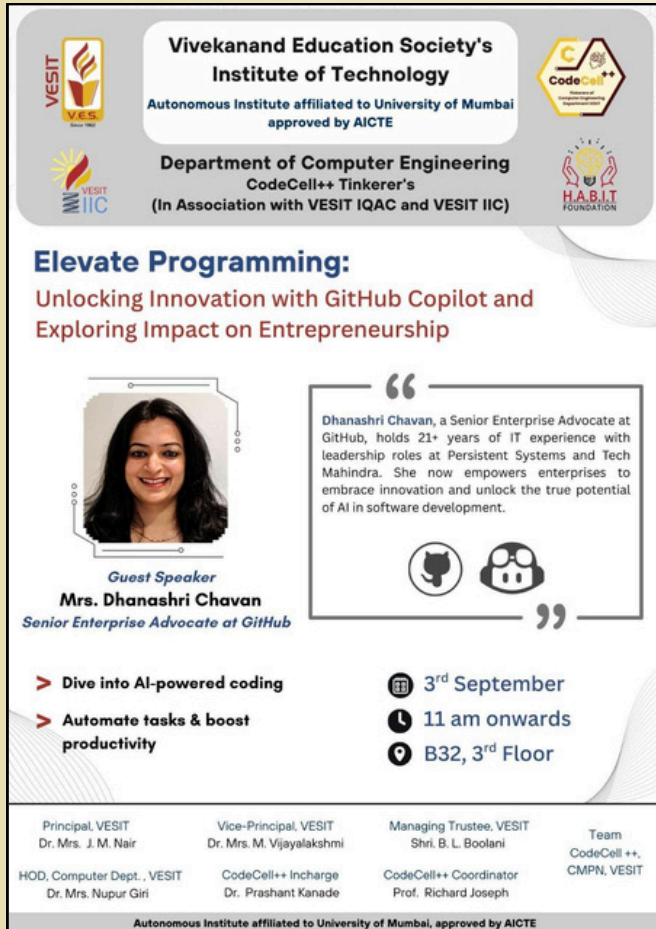
Principal
Dr. Mrs. J. M. Nair

Vice-Principal
Dr. Mrs. M. Vijayalakshmi

Managing Trustee
Shri. B. L. Boolani

Team CodeCell++

HOD, Computer Dept.
Dr. Mrs. Nupur Giri

CodeCell++ Incharge
Dr. Prashant Kanade

CodeCell++ Coordinator
Prof. Richard Joseph

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TINKERER'S LAB : CODECELL ACTIVITIES

GITHUB COPILOT WORKSHOP

- **Date(s) of the Event** : 03/10/2025
- **Speakers**:
  - Mrs. Dhanashri Chavan, Senior Enterprise Advocate at GitHub
- **Coordinators :**
  - Prof. Mr. Richard Joseph
  - Prof. Mrs. Pallavi Gangurde
  - Codecell Student Team

The session offered participants hands-on exposure to version control, collaborative software development, and AI-assisted programming. The session was led by Mrs. Dhanashri Chavan, Senior Enterprise Advocate at GitHub, who shared insights on automating coding tasks, enhancing productivity, and leveraging AI tools for efficient development.

"Education is not learning facts, but the training of the mind to think"
- Albert Einstein

TINKERER'S LAB : CODECELL ACTIVITIES

FETCH – FOSTERING ENGINEERING AND TECHNOLOGICAL CREATIVITY IN HARDWARE

The 20-hour workshop offered hands-on training in Arduino, Raspberry Pi, and NodeMCU, enabling students to build and simulate IoT prototypes while fostering innovation in embedded systems.

- **Date(s) of the Event :** 28/05/2025 – 06/06/2025
- **Speakers:**
  - Dr. Prashant Kanade
  - Shubham Mishra , Second Year
  - Niraj Chaudhari , Second Year
  - Om Mhatre, Second Year
  - Tanmay Jadhav , Second Year
- **Coordinators:**
  - Mrs. Indu Dokare
  - Mrs. Pallavi Gangurde
  - Mrs. Nusrat Ansari
  - Codecell++ Student's Team
- **Number of Faculty Members = 4**
- **Number of Student Participants = 20**

TINKERER'S LAB : CODECELL ACTIVITIES

INTERACTION WITH ETH GLOBAL WINNERS

The session connected students with ETH Global Hackathon winners, who shared insights on idea conceptualization, teamwork, and presenting on international platforms. They highlighted the role of blockchain and AI in innovation, inspiring students to explore global opportunities and think beyond conventional limits.

- **Date(s) of the Event:** 14/10/2025
- **Speakers:**
  - Aanchal Gupta, Third Year
  - Harshvardhan Khamkar, Third Year
  - Ishan Jadhav, Third Year
  - Ryan Dsouza, Third Year
  - Veda Patki, Third Year
  - Soham Patil, Third Year
  - Jai Desar, Third Year
  - Isha Palkar, Third Year
  - Aadi Singh, Third Year
  - Yash Kolhekar, Final Year

KICKSTART YOUR OPEN SOURCE JOURNEY (HYPERLEDGER & LINUX FOUNDATION MENTORSHIP)

- **Date(s) of the Event:** 11/10/2025
- **Speakers:**
  - Dr. Anasuya Threse Innocent
  - Hariom Dhage
- **Number of Student Participants** = 50+
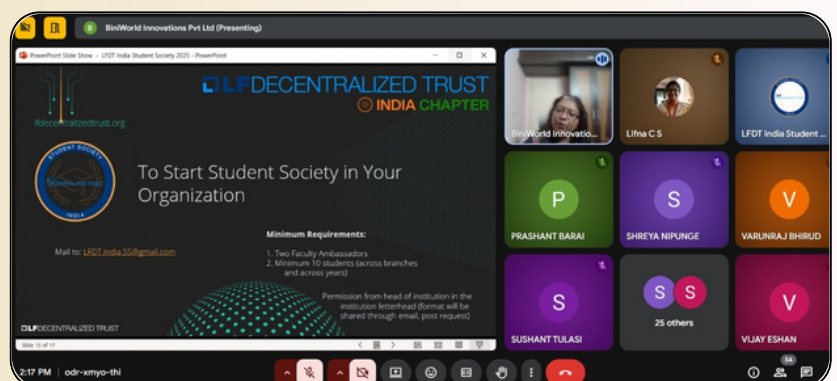
TINKERER'S LAB : CODECELL ACTIVITIES

KICKSTART YOUR OPEN SOURCE JOURNEY (HYPERLEDGER & LINUX FOUNDATION MENTORSHIP)

CodeCell++ Tinkerers organized a session to guide students on contributing to open-source projects under the Hyperledger Internship Cell and Linux Foundation Mentorship programs. The event covered community workflows, mentorship opportunities, and tips to build a strong developer portfolio through consistent contributions.

PATH TO GSOC: INNOVATION THROUGH OPEN SOURCE

- **Date(s) of the Event:**
  16/10/2025

- **Speakers:**
  - Sanjay Sargam - GSoC Mentor '25
  - GSoC Contributor @AnkiDroid

The workshop guided students through the Google Summer of Code (GSoC) process, covering organization selection, proposal writing, and open-source engagement. Mentors shared practical insights to help students gain confidence and readiness to contribute to global developer communities through GSoC.

FINISHING SCHOOL SERIES

Name of the event: BFSI, Manufacturing, Healthcare: Driving Intelligent & Secure Systems with AI
Date(s) of the event: 21st August 2025
Speakers: Mr. Bilani Sani, Mr. Samay Gada (Wohling Transformations Pvt. Ltd.)

Wohling Transformations Pvt. Ltd. Team with CMPN

Wohling Transformations Pvt. Ltd. Team

Name of the event: Decoding Fintech: Unlocking Innovation through Data Analytics for Engineers
Date(s) of the event: 17th September 2025
Speakers: CA Sandeep Modi, Founder and CFO of FalconX
Coordinators: Mrs. Pallavi Saindane, Mrs. Indu Dokare

PROJECT INNOVATIONS/COMPETITIONS

ETHGlobal New Delhi (September 2025)

Team Members: Aanchal Gupta, Harshavardhan Khamkar, Ryan Dsouza, Ishan Jadhav

Achievement: Won the Rootstock Track at ETHGlobal New Delhi 2025

Tutedude's Web Development Hackathon (July 25 – July 27, 2025)

Team Members: Pradnya Patil, Diksha Patkar, Sakshi Thorat

Project Title: MarketConnect – A B2B Supply Chain Management Platform

Achievement: First Runner-Up (2nd Place) among 800 + submissions

Mentors: Shivam Goyal & Abhishek Gangwar (Tutedude Co-founders)

A2HackFest 2K25 (Grand Finale at IISc Bangalore)

Team Members: Tejas Gadge, Anisha Shankar

Project Title: Q-Pilot – A WhatsApp-based Metro Assistant powered by qRaptor.ai (AugmentAppz.ai)

Achievement: 1st Prize & Audience Favourite Award among 637 teams (₹ 50,000) | Most Trending Award (₹ 5,000) | LinkedIn Spotlight & Internship Offer for both members

Mentors: Dr. Nupur Giri, Dr. Rohini Temkar

Odoo Hackathon 2025 (Asia Book of Records & India Book of Records Event)

Team Members: Pankaj Gupta, Sahil Tanwani, Harshita Sewani, Priyanka Ochaney

Project Title: TraviQue – An Intelligent Travel Planning Platform

Achievement: Top 10 Finalist among 19,000 + registered participants

Mentor: Gurpreet Singh (Odoo)

PROJECT INNOVATIONS/COMPETITIONS

Indian Collegiate Startup Competition 2025 (Presented by MIDC)

Team Member: Paawan Matani

Project Title: FAD – A Curated Thrifting Marketplace for Sustainable Fashion

Achievement: Winner (National-Level Competition) with consideration for funding

Mentor: Mentor from IIT Kharagpur

Assessli Agentic Chatbot Hackathon 2025

Team Members: Tejas Gadge, Anisha Shankar

Project Title: Placementor – An AI-powered Interview Preparation Platform

Achievement: 5th Place among 250 + participating teams

Google Cloud Agentic AI Day Hackathon (BIEC Bengaluru, July 26 – 27, 2025)

Team Members: Aanchal Gupta, Harshavardhan Khamkar, Ryan Dsouza, Akash Jadhav

Project Title: Receipt Management for Google Wallet

Achievement: Winner – Receipt Management Track (₹ 3,00,000)

HackCelestial 2.0 (Pillai College of Engineering, August 2025)

Team Members: Vedant Gawali, Sukhbir Singh Goklani, Aditya Agrahari, Rushil Rohra

Project Title: ShoreClean

Achievement: 4th Runner-Up

Mentor: Dr. Priya R. L.

INDUSTRY PROJECTS

➤ **JeevanSetu**

➤ **Organization/Industry:**
Jeevan Samvardhan

➤ **Yash Ingale**
Gautam Rai
Shaanveer Singh
Chinmay Desai

➤ **Resource Person:**
Ms. Sujata Angadi

➤ **Mentor:**
Dr. Gresha Bhatia

➤ **OralSure – AI Powered Self-Assessment Tool for Oral Health**

➤ **Organization/Industry:**
Government Dental College and Hospital, Mumbai

➤ **Laveena Mirani**
Kareena Lachhani
Juhi Rajesh Birare
Aiman Aijaz Dabir

➤ **Resource Person:**
Dr. Tabita Roy Chettankandy (HoD)
Dr. Wasundra Bhad(Dean)

➤ **Mentor:**
Dr. Sharmila Sengupta

➤ **MedFlora – AI-Enabled Recognition and Therapeutic Profiling Analysis of Medicinal Flora**

➤ **Organization/Industry:**
Tata Memorial Centre (Advanced Centre for Treatment, Research and Education in Cancer), Kharghar

➤ **Srushti Poriwade**
Sri Haritha Movva
Ananya Parthasarthy

➤ **Mentor:**
Dr. Priya R L

➤ **AI Agent for Video Pre-Production Planning & Asset Sourcing**

➤ **Organization/Industry:**
Helmer

➤ **Jennifer Thozhuvathinkal**
Anusha Gonal
Varun Budhani
Shantanu Bhosale

➤ **Resource Person:**
Mr. Siddharth Jha

➤ **Mentor:**
Dr. Sharmila Sengupta

INDUSTRY PROJECTS

➤ **EduBridge – Agentic AI Framework for Inclusive Education**

➤ **Organization/Industry:**
AI Overloads

➤ **Sarang Pavanaskar**
Akshat Mahajan
Tanmay Maity
Mohit Vaidya

➤ **Resource Person:**
Mr. Nikhil Mhatre Founder

➤ **Mentor:**
Dr. Sujata Khedkar

➤ **Natalis – Prenatal Imaging Interpretation System**

➤ **Organization/Industry:**
CareNX

➤ **Ved Waje**
Abhirat More
Pranita Bannore
Harshita Lohana

➤ **Resource Person:**
Mr. Avinash Joshi co-founder and CTO

➤ **Mentor:**
Prof. Vidya Zope

➤ **Vanaushadi Rakshak – AI-Driven Protection for Herb Diversity**

➤ **Organization/Industry:**
Tata Memorial Centre (Advanced Centre for Treatment Research and Education in Cancer), Kharghar

➤ **Santosh Hinduja**
Honey Kundla
Gazal Keshwani
Shivein Kumar

➤ **Mentor:**
Prof. Sunita Suralkar

➤ **KrishiAstra – Agriculture Platform for Growth and Sustainability**

➤ **Organization/Industry:**
Quantbit Technologies Pvt. Ltd.

➤ **Asmi Rajbhar**
Om Patil
Ravina Vartak
Madhura Golatkar

➤ **Resource Person:**
Mr. Rakesh Chougule

➤ **Mentor:**
Prof. Priyanka Shah

INDUSTRIAL VISITS

AUTOMATION EXPO 2025, BOMBAY EXHIBITION CENTRE, MUMBAI

Date of IV: 14th August 2025

Name and Address of Industry: Automation Expo 2025, Bombay Exhibition Centre, Mumbai

Class Visited: Second Year

Number of Students Visited: 180

Number of Staff Visited: 3

INDUSTRIAL VISITS

DRONE AND UAV TECH EXPO, NESCO, GOREGAON – BOMBAY EXHIBITION CENTRE, MUMBAI

Date of IV: 27th September 2025

Name and Address of Industry: India's Premier Drone and UAV Tech Expo, NESCO, Goregaon – Bombay Exhibition Centre, Mumbai

Class Visited: Third Year (CMPN Department)

Number of Students Visited: 150

Number of Staff Visited: 4

CO-CURRICULAR ACTIVITIES

PARTICIPATION IN INTER COLLEGE COMPETITIONS

PARTICIPATION IN INTRA COLLEGE COMPETITIONS

IEEE	ISA	ISTE	Computer Society of India
No of Events : 04	No of Events : 01	No of Events : 01	No of Events :01
Participation : 66	Participation : 10	Participation : 35	Participation : 24

EXTRA-CURRICULAR ACTIVITIES

PARTICIPATION IN INTRA COLLEGE EVENTS
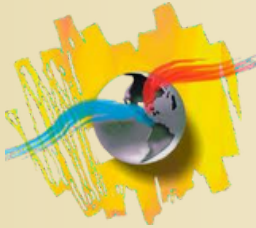
No of Events: 03

Participation : 88

No of Events :06

Participation : 44

No of Events : 01

Participation : 3
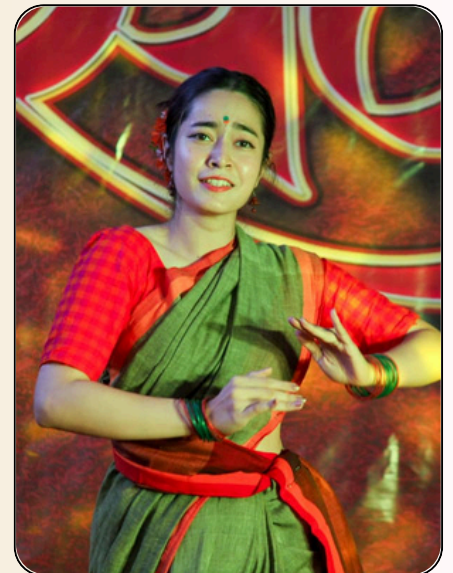
ALUMNI INTERACTION

V-REACH'25 - AN ALUMNI ENGAGEMENT INITIATIVE

An expert session on **"Hardware Driven Innovation in AI: From CPU Cores to GPU Threads and Beyond"** was conducted under V-REACH '25, an Alumni Connect Initiative organized by the Department of Computer Engineering, VESIT, under the guidance of the Internal Quality Assurance Cell (IQAC), on 16th October 2025 at 12:30 PM.

Speaker: Mr. Prasanna Biswas (CMPN–2018), Advisory Research Engineer at IBM India Research Lab.
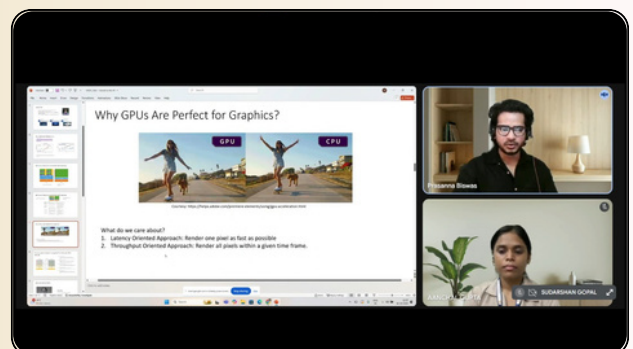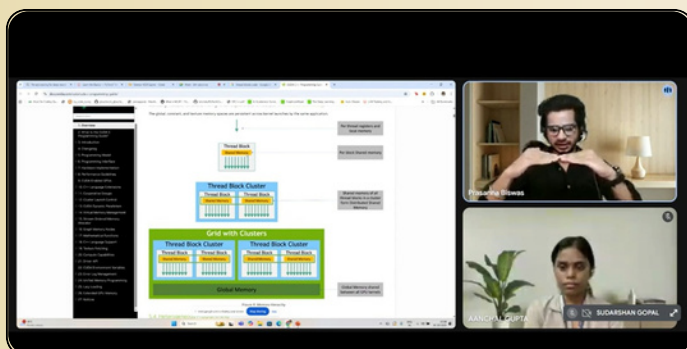
"Great innovation only happens when people aren't afraid to do things differently." — Georg Cantor

INTERNSHIPS OFFERED

37 students have undertaken internships at 25 prominent National and International level companies such as Wipro, Reliance Industries Limited, Bluestar India Limited, Aurionpro Solutions Limited, Capgemini Technology Services India Limited, National Informatics Centre(NIC) – Mantralaya, Jio Platforms, JSW Steel, CareNX Innovations, AI BI Street Pvt. Ltd., AICTE – EduSkills, Apna Shelter India Foundation, Fermion Infotech Pvt. Ltd., Fyre Gig, HeyGuru, Recruitix, SR Counselling India, WeCP (We Create Problems), MindTech Solutions, Finlatics, Panache Digilife Ltd., Real IT Solutions Pvt. Ltd., Cybsky Cyber Ambassador Solutions Pvt. Ltd., and EPM Consultancy.

SCHOLARSHIPS APPLIED

VESIT offers various scholarships to meritorious and needy students. Under VES trust scholarships the **Students Aid Scholarship** and **Vivekanand Jyoti Scholarships** are given. The college also facilitates students to apply for the **Jadavpur Alumni Association Scholarship**. These scholarships are awarded on a yearly basis. The current academic year 2025-26, scholarship activities are going on and scholarship forms have been floated.

16 students from the computer engineering department applied for the scholarships.

ACHIEVEMENTS

Attreyee Mukharjee , a student (2025 Passout), has been recommended for admission to the PhD program in Computer Science at Purdue University, starting Fall 2025, and has been awarded financial support as a Teaching Assistant.

FACULTY CONTRIBUTIONS

Content:

WORKSHOPS/COURSES CONDUCTED BY THE FACULTIES

1. **Dr. Nupur Giri, Dr. Priya R. L., Prof. Lifna C.S.,** and **Prof. Richard Joseph** conducted the Hyperledger Internship Call & Linux Foundation Mentorship Session on November 10, 2025.

2. **Dr. Nupur Giri, Dr. Priya R. L., Prof. Lifna C.S.,** and **Prof. Richard Joseph** conducted the "Interactions with ETH Global Winners" session on October 14, 2025.

3. **Dr. Gresha S. Bhatia** conducted the Orientation Program for SE Field Projects organized by the CMPN Department, VESIT, on October 6, 2025.

4. **Dr. Sujata Khedkar** conducted the Know Your Department (SE) – Orientation Coordinator session organized by the CMPN Department, VESIT, on October 6, 2025.

5. **Prof. Vidya Zope** and **Prof. Pallavi Saindane** conducted the Expert Talk – Finishing School Series on "BFSI, Manufacturing, Healthcare: Driving Intelligent & Secure Systems with AI" on August 21, 2025. Speakers: Mr. Bilal Sani and Mr. Samay Gada (Wohlig Transformations Pvt. Ltd.)

6. **Prof. Indu Dokare** and **Prof. Pallavi Saindane** conducted the Finishing School Series – Expert Talk on "Decoding Fintech: Unlocking Innovation through Data Analytics for Engineers" on September 17, 2025.

7. **Prof. Indu Dokare** and **Prof. Sanjay Mirchandani** conducted the Campus to Corporate (C2C) Program on "Employability Essentials – 1: Academics, Resume & Project Foundations" on September 20, 2025.

8. **Prof. Indu Dokare** and **Prof. Sanjay Mirchandani** conducted the Campus to Corporate (C2C) Program on "Employability Essentials – 2: Skill Portfolio, Resume Advancement & Aptitude" on October 14, 2025.

FACULTY CONTRIBUTIONS

WORKSHOPS/COURSES ATTENDED BY FACULTY

- **Dr. Nupur Giri** completed the ATAL FDP on "Fortifying the Digital Frontier: Cybersecurity Strategies for Threat Landscapes" organized by K. J. Somaiya Institute of Technology under ATAL Academy from 30th June 2025 to 5th July 2025.

- **Dr. Gresha Bhatia** completed the Industrial Training on Machine Learning (Zero to Hero) organized by EduLakes Solutions LLP from 1st September 2025 to 12th September 2025

- **Dr. Sujata Khedkar** completed the GEN-AGENT: Emerging Trends in Generative & Agentic AI organized by the Department of Artificial Intelligence & Data Science, Vivekanand Institute of Technology, Chembur, from 14th July 2025 to 19th July 2025.

- **Dr. Sujata Khedkar** completed the Google Gemini AI with Python API course organized by Udemy from 22nd October 2025 to 26th October 2025.

- **Dr. Sujata Khedkar** completed the Prompt Engineering for Developers course organized by Udemy from 4th June 2025 to 10th June 2025.

- **Dr. Sujata Khedkar** completed the ATAL FDP on Research and Innovation Trends in the Field of Large Language Models organized by Dwarkadas J. Sanghavi College of Engineering, Mumbai, from 20th January 2025 to 25th January 2025.

- **Dr. Sujata Khedkar** completed the Learn LangChain: Build #22 LLM Apps using OpenAI and Llama 2 course organized by Udemy from 22nd March 2025 to 31st March 2025.

- **Dr. Sharmila Sengupta** completed the Artificial Intelligence for Computer Vision and Medical Image Processing program organized by NIT Warangal, under the Ministry of Electronics and Information Technology (MeitY), Government of India, from 14th July to 24th July 2025. She also completed the ML – Basic to Beyond program organized by MNIT Jaipur, a 40-hour (3-credit equivalent) online FDP funded by MeitY and endorsed by AICTE/UGC.

- **Dr. Sharmila Sengupta** completed QT-03 Basics of Quantum Programming and Quantum Communication (QT-06) 2025, both organized by MNIT Jaipur under the MeitY and DST-NQM initiatives, each comprising 40 hours (3-credit equivalent) and attended a 2-week Training on IoT Using AWS organized by EduLakes Solutions LLP from 15th September to 26th September 2025.

- **Dr. Sharmila Sengupta** attended the FDP on Gen AI: Use Cases in Various Businesses, organized by the Computer Department, TSEC, from 30/06/25 to 05/07/25, and also participated in the ATAL FDP on Blockchain and ML Algorithms in Health Care from 18/08/25 to 23/08/25.

FACULTY CONTRIBUTIONS

WORKSHOPS/COURSES ATTENDED BY FACULTY

- **Dr. Sharmila Sengupta** attended the FDP on IoT and ML for Advanced Biomedical Signal Processing organized by the Ministry of Electronics and Information Technology, Government of India, from 15/10/25 to 24/10/25.

- **Dr. Prashant Kanade** completed the HP Life Cyber Security program from 3/09/25 to 9/09/25, and attended "AI for Beginners" from 20/08/25 to 28/08/25, and HP Life AI for Business from 28/08/25 to 4/09/25.

- **Dr. Gresha Bhatia, Dr. Prashant Kanade**, **Mrs. Sunita Suralkar, Prof. Rupali Soni, Prof. Pallavi Saindane and Mrs. Yugchhaya Galphat** attended the Industrial Training on Machine Learning (Zero to Hero) by Edulakes from 1/09/25 to 12/09/25.

- **Prof. Lifna C. S., Prof. Abha Tewari,** and **Prof. Pradnya Raut** attended GEN-AGENT: Emerging Trends in Generative & Agentic AI, organized by the Department of AIDS, VESIT, Chembur, from 14/07/25 to 19/07/25.

- **Prof. Pallavi Gangurde, Prof. Rupali Soni,** and **Prof. Pallavi Saindane** attended the ATAL Academy FDP on Ethical and Responsible AI: Harnessing XAI for India's Economic Future, organized by D. J. Sanghvi College of Engineering from 14/07/25 to 19/07/25.

- **Prof. Pallavi Gangurde, Prof. Prerna Solanke**, and **Prof. Priti Joshi** attended an FDP on Cloud Computing from 14/07/25 to 18/07/25.

- **Prof. Pallavi Gangurde** attended the Live Online Industrial Training on Internet of Things Using AWS from 15/09/25 to 26/09/25.

- **Prof. Sunita Suralkar** and **Prof. Yugchhaya Galphat** attended GEN-AGENT: Emerging Trends in Generative & Agentic AI, organized by the Department of AIDS, VESIT, Chembur, from 14/07/25 to 19/07/25.

- **Prof. Sanjay Mirchandani** completed the Industrial Training on TCS iON Career Edge offered by TCS iON, which is an ongoing self-paced program of 2 weeks duration.

- **Prof. Pallavi Saindane** completed the FDP on Foundations of Quantum Computation – QT 05, organized by MNIT Jaipur from 11/07/25 to 2/08/25.

- **Prof. Manisha Mathur** attended the FDP on AIML in Finance: Applications, Innovations and Future Trends, organized by Fr. C. Rodrigues Institute of Technology, Vashi, from 9/06/25 to 14/06/25.

"The biggest risk is not taking any risk. In a world that's changing really quickly, the only strategy that is guaranteed to fail is not taking risks." – Mark Zuckerberg

FACULTY CONTRIBUTIONS

WORKSHOPS/COURSES ATTENDED BY FACULTY

"The biggest risk is not taking any risk. In a world that's changing really quickly, the only strategy that is guaranteed to fail is not taking risks." – Mark Zuckerberg

FACULTY CONTRIBUTIONS

WORKSHOPS/COURSES ATTENDED BY FACULTY

SKILL DEVELOPMENT ACTIVITIES

CERTIFICATION EXAMS

"The biggest risk is not taking any risk. In a world that's changing really quickly, the only strategy that is guaranteed to fail is not taking risks." – Mark Zuckerberg

SKILL DEVELOPMENT ACTIVITIES

CERTIFICATIONS
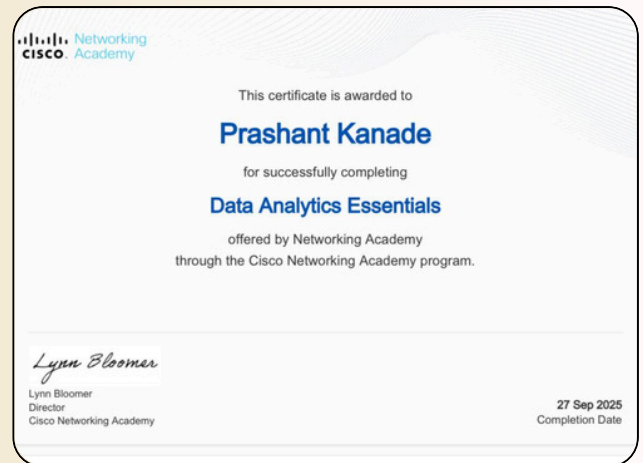
- **Dr. Prashant Kanade** completed the CISCO Verified Data Analyst certification, an industry training program by CISCO Network Academy on Essentials of Data Analysis, with a total duration of more than 2 weeks (30 hours), securing a score of 89.

- **Prof. Lifna C. S.** completed the Innovation Ambassador (IA) Training – Reskilling, organized by the Ministry of Education's Innovation Cell (MoE) and AICTE, comprising 21 sessions (21 contact hours).

- **Prof. Pallavi Gangurde** completed the Innovation Ambassador (IA) Training – Advanced Level organized by the Ministry of Education's Innovation Cell (MoE) and AICTE, consisting of 16 sessions (30 contact hours).

- **Prof. Nusrat Ansari** completed the Certified Computer Hacking Forensics Investigator (CHFI) certification offered by EC-Council from 1st February 2025 to 15th May 2025.

- **Prof. Sunita Suralkar** completed the "Python for Data Science, AI & Development" certification offered by Coursera and powered by IBM, over a period of 3 weeks, with an outstanding score of 95.75%.

- **Prof. Rupali Soni** completed the "Python for Data Science, AI & Development" certification by IBM on Coursera (3 weeks, 90%) and Module 8: Institutional Management & Administrative Procedures under NITTTT by CISCO Network Academy (4 weeks, results awaited).

- **Prof. Prerna Solanke** completed the AWS Cloud Foundation certification offered by AWS Academy, with a total duration of 20 hours, securing a score of 86%.

- **Prof. Geocey Shejy** completed the Certified Ethical Hacker (CEH) certification program conducted by EC-Council.

- **Prof. Priti Joshi** completed the **AWS Cloud Foundation** certification offered by AWS Academy, with a total duration of 20 hours.

RESEARCH ACTIVITIES

RESEARCH GRANTS

- **Dr. Gresha Bhatia** and **Dr. Sharmila Sengupta** guided the project titled **"Delivery X Sender-Receiver"**, conducted in association with Navkar Safal Pvt. Ltd., Mumbai, with a **total budget of INR 25,000.**

RESEARCH PAPERS PUBLISHED

- The paper titled **"Optimizing Kafka-Based Supply Chain Architectures: A Comprehensive Performance Analysis"**, authored by **Dr. Nupur Giri, Sejal Datir, Simran Ahuja, Sania Khan, and Jesica Bijju**, was published in the International Journal of Environmental Sciences in July 2025.

- The paper titled **"Real-Time AI-Based Skill Gap Analysis and Adaptive Career Guidance Using a Generative AI Framework for the Modern Job Market"**, authored by **Dr. Sharmila Sengupta, Soham Parab, Sushanth Shetty, Vighnarth Nile, and Atharva Sambhaji**, was presented at the IEEE 5th ASIANCON 2025, held from 22/08/25 to 23/08/25.

- The paper titled **"Optimized Seizure Detection Leveraging Band-Specific Insights from Limited EEG Channels"**, authored by **Dr. Indu Dokare and Dr. Sudha Gupta**, was published in the Health Information Science and Systems in March 2025.

- The paper titled **"Brain-Region Specific Epileptic Seizure Detection Through EEG Dynamics: Integrating Spectral Features, SMOTE and Long Short-Term Memory Networks"**, authored by **Dr. Indu Dokare and Dr. Sudha Gupta**, was published in the Cognitive Neurodynamics in May 2025.

- The paper titled **"A Hybrid Metaheuristic Framework for Epileptic Seizure Detection in Healthcare Decision Support Systems"**, authored by **Dr. Indu Dokare and Dr. Sudha Gupta**, was published in the Acta Epileptologica in September 2025.

- The paper titled **"SHAP-Driven Explainable AI with Simulated Annealing for Optimized Seizure Detection Using Multichannel EEG Signal"**, authored by **Dr. Indu Dokare and Dr. Sudha Gupta**, was published in the Cognitive Neurodynamics in June 2025.

- The book chapter titled **"Multiband Feature Fusion for Patient-Non-Specific Seizure Detection Using Multichannel EEG Signals"**, authored by **Dr. Indu Dokare and Dr. Sudha Gupta**, was published in "Communication and Intelligent Systems (ICCIS 2024)", LNNS Vol. 1373, Springer (Aug 2025).

- The book chapter titled **"AI-Driven Seizure Detection using EEG: A Synergistic Approach with DWT, Entropy Features and ANN"**, authored by **Dr. Indu Dokare and Dr. Sudha Gupta**, was published in "Technologies for Energy, Agriculture, and Healthcare" (1st Ed., CRC Press), Feb 2025, Chapter 13, pp. 129–138.

- The paper titled **"Hybrid Stock Market Forecasting and Portfolio Optimization Using LSTM, ARIMA, and Modern Portfolio Theory"**, authored by **Prof. Abha Tewari, Krishnam Raja, Dhiren Sidhwani, and Uzair Shaikh**, was presented at the IEEE WCONF 2025, held 25–27 July 2025.

- The paper titled **"Agati: Personalized Woman Safety and Empowerment"**, authored by **Prof. Pallavi Saindane, Dhruv Aswani, Aman Sande, Praful Pradhan, and Rajveer Tolani**, was presented at the 10th International Conference on ICT for Sustainable Development, from 17/07/25 to 19/07/25.

RESEARCH ACTIVITIES

PATENTS

A patent titled **"Artificial Intelligence Based Framework for Early Prediction of Epileptic Seizures Using Selected EEG Channels and Attention-Based Deep Learning Model"** was published by **Indu Dokare and Dr. Sudha Gupta.**

Application Details	
APPLICATION NUMBER	202521079140
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/08/2025
APPLICANT NAME	1 . Indu Dokare 2 . Dr. Sudha Gupta
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED FRAMEWORK FOR EARLY PREDICTION OF EPILEPTIC SEIZURES USING SELECTED EEG CHANNELS AND ATTENTION-BASED DEEP LEARNING MODEL
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	indudokare1122@gmail.com
ADDITIONAL-EMAIL (As Per Record)	indudokare1122@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	05/09/2025

Application Details	
APPLICATION NUMBER	202521044863
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/05/2025
APPLICANT NAME	1 . Mrs. Nusrat Ansari 2 . Dr. Maniroja M. Edinburgh 3 . Dr. Nikita 4 . Ms. Vanshika Lalwani 5 . Ms. Madhura Gaval 6 . Ms. Kalpana Gurnani 7 . Ms. Prerna Banswani
TITLE OF INVENTION	NeoSync: Smart Fetal Health

Patent titled "**NeoSync: Smart Fetal Health Monitoring with IoT & AI**", published by **Mrs. Nusrat Ansari, Dr. Maniroja M. Edinburgh, Dr. Nikita, Ms. Vanshika Lalwani, Ms. Madhura Gaval, Ms. Kalpana Gurnani, and Ms. Prerna Banswani.**

COPYRIGHT

Prof. Indu Dokare and **Dr. Sudha Gupta** have filed a copyright for their work titled "**Explainable AI Based Patient Specific and Patient Nonspecific Feature Selection Method Using Multichannel EEG Signal for Epileptic Seizures,**" currently under re-scrutiny by the Copyright Office, Government of India.

"If you decide that you're going to do only the things you know are going to work, you're going to leave a lot of opportunity on the table." - Jeff Bezos

ORGANIZING MEMBERS

Faculty members held academic leadership positions across institutes and various events within institute.

- **Dr. Nupur Giri** held numerous designations, including Chair of BOS (Autonomy-CMPN & NEP-CMPN), IQAC and NAAC Coordinator, and Academic Council Member at VESIT.
- **Dr. Gresha S. Bhatia** served as Project Convener, Symposium Convener, Ph.D. panel member (RAIT & VIT), and Academic Council Member at VESIT.
- **Dr. Sujata Khedkar** acted as DAB Incharge, PAC Member, and served on the WDC, IC, and BOS committees.
- **Dr. Sharmila Sengupta** held roles such as Secretary of the TAS Symposium, BOS Member at SIES, and member of VESIT's Unfair Means and Sexual Harassment Committees.

Other faculty members also contributed actively as committee members and representatives in various academic forums.

ACCOMPLISHMENTS

- **Dr. Nupur Giri** represented the institution at **GitHub Universe 25, San Francisco**, an International event, by participating in the **GitHub HQ Day of Learning Experience** in October 2025.

- **Dr. Nupur Giri** served as a Global Judge for the **Intel® AI Global Impact Festival 2025**, an International event that featured participants from more than 25 countries competing for the Global Awards in July 2025.

"Your time is limited, so don't waste it living someone else's life. Don't be trapped by dogma — which is living with the results of other people's thinking." – Steve Jobs

ACCOMPLISHMENTS

- **Dr. Dashrath Mane** was honored with the "**Star Performer TPO**" award for his exemplary contribution to training and placement, conferred by the Maharashtra Association of Training and Placement Officers in collaboration with WCE during the TPO Development Program held on 7th–8th March 2025 in Pune.

- **Dr. Dashrath Mane** received the "**Excellence in Career Development & Industry Partnerships**" award under the aegis of the Ministry of Skill Development and Entrepreneurship, Government of India, in association with NSDC and Skill India, at the 8th Higher Education Innovation and Technology Summit held on 15th May 2025 in Pune.

- **Dr. Indu Dokare** earned her **Ph.D.** on 1/10/2025 from K. J. Somaiya School of Engineering, Mumbai, for her research titled **"Analysis and Detection of EEG Signal for Epileptic Seizures,"** under the guidance of **Dr. Sudha Gupta.** Additionally, she has made **4 publications in international journals** and has contributed to **2 book chapters in 2025.**

STAFF INCHARGES

Dr. Nupur Giri
Head of Department
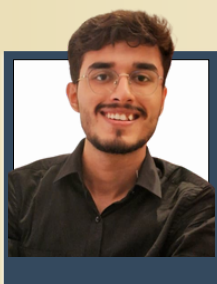
Dr. Gresha Bhatia
Deputy Head of Department

Prof. Nusrat Ansari
Assistant Professor

Prof. Pallavi Saindane
Assistant Professor

EDITORIAL TEAM

Sarang Pavanaskar
D17A

Harsh Ahuja
D17A

Ravina Vartak
D17A

Vedant Mhatre
D12C

Peehu Makhija
D12B

Diksha Patkar
D12C
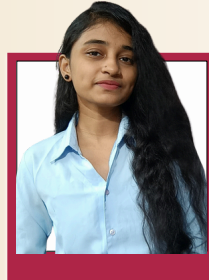
Sakshi Thorat
D12B

Gauri Doiphode
D12B

Gaurav Jain
D7B
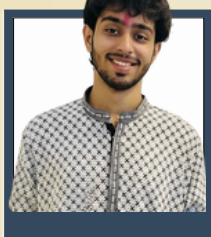
Palash Matani
D7B

Disha Chhabria
D7C

Harsh Lulla
D7C

Tanishka Pingale
D7B