Vivekanand Education Society's Institute Of Technology

VESIT

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

Ruby Jubilee Year
Department of Computer Engineering

परिरव्य

ISSUE 21, April-2025

"A computation of Dreams"

MESSAGE FROM THE DEPARTMENT

It brings me immense great pleasure to share a few words in this semester's edition of our departmental newsletter. Each issue reminds us of the vibrant community we've built—filled with innovation, dedication, and the collective spirit of growth.

The field of Computer Engineering continues to evolve at a remarkable pace, and I am proud to see our department keeping stride through academic excellence, cutting-edge research, and impactful projects. Our students consistently demonstrate creativity and resilience, both in the classroom and beyond. Whether it's through participation in various hackathons, publishing research, contributing to technical societies and developing solutions for real-world problems, your passion is what drives the department forward.

My fellow faculty members, your continued mentorship, inspiration, and commitment to excellence in teaching-learning process and research are shaping not just future engineers, but thoughtful, responsible professionals.

Let us continue to support each other and uphold the values that make our department a nurturing and dynamic space for learning and discovery. Here's to another semester of success, collaboration, and continuous learning.

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

Dr. Rohini Temkar
Assistant Professor

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

OUR VISION

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

OUR MISSION

- 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

Placements

Skill Development Activities

Tinkerers' Lab : Code Cell Activities

Project Innovations / Competitions

Industry Projects

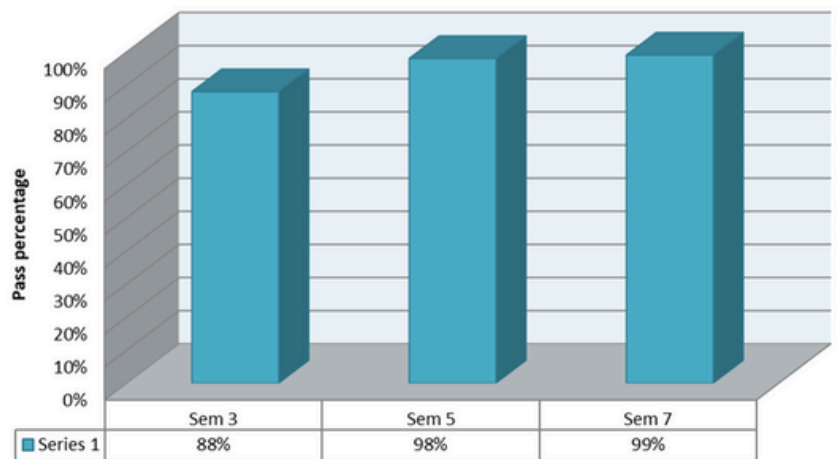**Inter College Competitions**

Intra College Competitions

Alumni Interactions

Scholarships

Other Achievements

1. ACADEMIC EXCELLENCE

Computer Engineering Pass Percentage Odd semester 2024-25

	Sem 3	Sem 5	Sem 7
Series 1	88%	98%	99%

The above graph show the end semester performance of students for Semester III to VII for 2024-2025 ODD SEM.

2. HIGHER STUDIES

17 students got admissions and joined for higher studies in Indian and foreign universities during the academic year 2023-24.
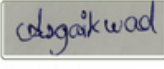
3. COMPETITIVE EXAMS

09 Students have appeared for different competitive exams like GRE, TOEFL, GATE during academic year 2024-25.

COMPETITIVE EXAMS : GATE 2025

We are incredibly proud to announce the outstanding achievements of our students from the Department of Computer Engineering, VESIT in **GATE 2025!** 🚀
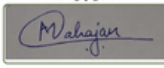
⭐ Aditya Gaikwad (Final Year, CMPN - Div C) - 🏆 AIR-12 | Score: 959/1000
⭐ Anurag Tripathi (Final Year, CMPN - Div C) - 🏆 AIR-85 | Score: 890/1000
⭐ Akshat Mahajan (Third Year, CMPN , Div- A) - 🏆 AIR-365 | Score: 797/1000
⭐ Soham Kelaskar (Final Year, CMPN , Div- C) - 🏆 AIR-460 | Score: 777/1000

Aditya Gaikwad (Final Year, CMPN)
GATE CS -AIR 12

Anurag Tripathi (Final Year, CMPN)
GATE CS- AIR-85

Akshat Mahajan (Third Year , CMPN)
GATE CS -AIR 365

Soham Kalsekar (Final Year, CMPN)
GATE CS , AIR 460

PLACEMENT ACTIVITIES

The process of placement started in the third week of July 2024 with dream companies like JP Morgan Chase & Co.-CFG, Institutional Shareholder Services (ISS), Dolat Capital, Carwale, Interactive Brokers, Nomura, IVP, Deloitte, etc., followed by non-dream recruiters such as Accenture and Capgemini. Like every year, this year's students have also performed extremely well. Students participated in coding contests organized by JP Morgan Chase & Co. – Code for Good (CFG), Nomura – KakushIN, and a few students have secured placement opportunities through these contests. Some students have also received full-time placement offers through internships.

26 Companies visited

61.33%

students placed

13 Highest salary : Lacs/Annum.

10.5 Average salary: Lacs/Annum

32%

of placed students got a dream job

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

BEST PLACEMENTS

ISS CTC- 13 LPA
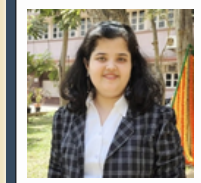
Vishakha Mangtani	**Gayatri Vaidya**	**Sadhak Kumar**	**Devangana Barua**	**Syed Ilham**
Manasi Sharma	**Rishi Kokil**	**Taufique Ansari**	**Yashodhan Sharma**	**Ravi Valecha**
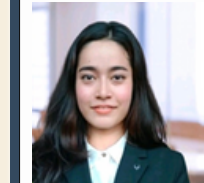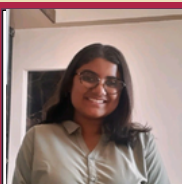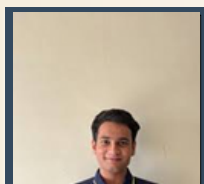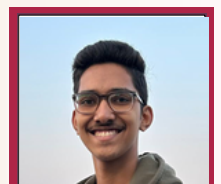
BARCLAYS CTC- 13 LPA
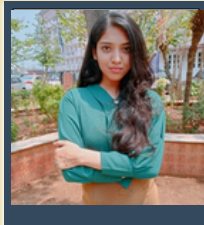
Anagha Kulkarni	Piyush Chugeja	Kinjala Ahuja	Simran Ahuja
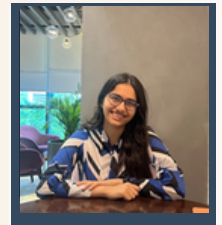
Interactive Brokers CTC- 13 LPA
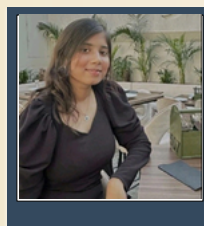
Neha Seswani

CAMPUS READINESS SESSIONS : INHOUSE

The placement cell of the department conducted in-house Campus Readiness Sessions that included:

- **An Aptitude Test Series on Quantitative Aptitude** on 27th March 2025, specifically for TE students, organized by CMPN Placements.

- **An Aptitude Test Series on Logical Reasoning** on 28th March 2025, specifically for TE students, organized by CMPN Placements.

- **An Aptitude Test Series on Verbal Ability** on 29th March 2025, specifically for TE students, organized by CMPN Placements.

- **A Full-Length Aptitude Test on Quantitative Aptitude, Logical Reasoning & Verbal Ability** on 1st April 2025, specifically for TE students, organized by CMPN Placements.

SENIOR JUNIOR INTERACTION

"Share & Care: Senior-Junior Interaction" session on 13th August 2024 for TE students, Speakers: BE Students placed in companies like ISS, IVP and Carwale

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

SKILL DEVELOPMENT ACTIVITIES

SKILL ENHANCEMENT LECTURE

- Skill enhancement Lecture on **'FinServ AI Agent Bootcamp: Innovation in Action'** was conducted by **Mr. Vikas Nale** – Senior Software Engineer, Uptiq , **Mr. Akash Kulkarni** – Software Development Engineer, Uptiq , **Mr. Mandar Marathe** – Marketing Specialist, Uptiq for Second year students on **18th March 2025.**

- Skill enhancement lecture on **'Future of AI and Career Opportunities'** was conducted by **Dr. Ritesh Nehete**, **Zonal Lead Cloud Infra and operations, TCS Ltd.** for third year students on **14th Februray 2025.**
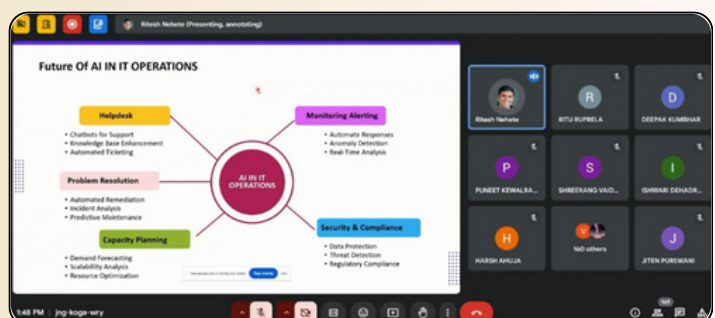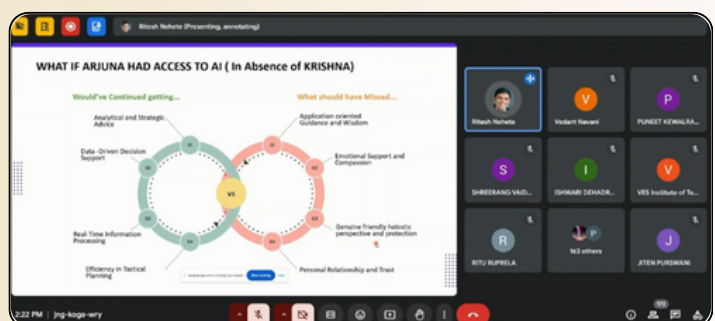
SKILL DEVELOPMENT ACTIVITIES

SKILL ENHANCEMENT LECTURE

- Skill enhancement Lecture on **Project Management** was conducted by **Mr. Shaikh Mohammad Salman, a PMO at Jio Platforms Ltd., Mumbai**, for third year and final year students on **13th February 2025**.

- Skill enhancement lecture on **'Beyond Degrees: How AI is Reshaping Careers & Learning'** by **Mr. Ayush Suri**, **Founder at Fyre Gig, Software Engineer at Citi London** was conducted on **7th March 2025** for third year students.

WINTER INTERNSHIP

As part of **VESIT's Ruby Jubilee Celebration**, the Department of Computer Engineering, under the guidance of VESIT IQAC and in association with VESIT IIC, offered the **"Winter Internship 2024-25"**. The Department conducted this internship program from **1st December 2024 to 31st January 2025.**

This event was successfully organized to showcase the deliverables from the Winter Internship. A total of **16 internship projects** were successfully completed by **75 students** from the department. Projects were judged by the faculty members of the department.
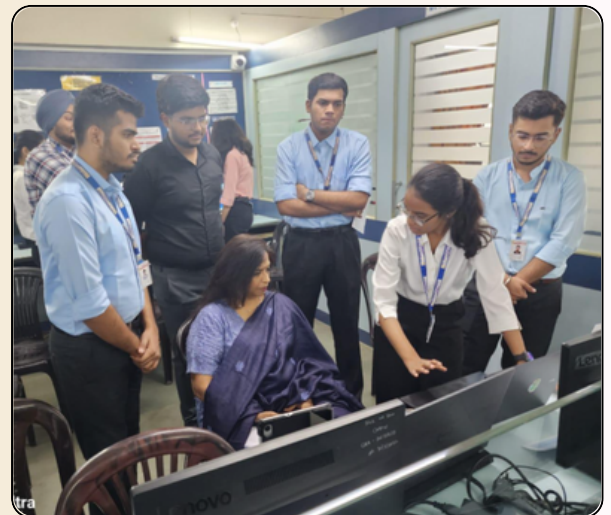
GATE PREPARATION WORKSHOP

The Department of Computer Engineering under the guidance of VESIT-IQAC and in association with the Advanced training Cell(ATC) conducted **Gate Preparation workshop** for second year and third year students during **21st Jan 2025- 23rd Jan 2025.**

Speakers: **Mrs.Yugchhaya Galphat, Mr. Richard Joseph, Mrs. Manisha Mathur**

TECHNOLOGY DAY CELEBRATION (21ST MARCH 2025)

Department Technology Day was organized on 21st March 2025. Following activities were conducted on the occasion of Technology Day:

1. PRADARSHINI

The Department of Computer Engineering, in association with VESIT's Institution's Innovation Council (IIC) and Internal Quality Assurance Cell (IQAC), organized a Project Exhibition featuring **20 selected project groups** with participation from **78 students** and involvement of **30 faculty members.**

Mumbai, Maharashtra, India

The exhibition was successfully coordinated by **Dr. Gresha Bhatia (Project Convenor), Mrs. Mannat Doultani (B.E. Project Coordinator), Dr. Priya R.L. (T.E. Project Coordinator), and Mrs. Vidya Zope (S.E. Project Coordinator).**

The event was graced by distinguished industry professionals and VESIT Alumni from leading organizations:

Mr. Anish Vaidya – Software Engineer II, JP Morgan Chase & Co., Mumbai
Ms. Ritika Vanjarani – Associate Software Engineer, Accenture Ltd., Mumbai
Ms. Diya Janyani – Senior Analyst, EY Ltd., Mumbai
Mr. Bhavesh Ahuja – Senior Associate (SDE III), JP Morgan Chase & Co., Mumbai
Ms. Akansha Ahuja – Associate (SDE II), JP Morgan Chase & Co., Mumbai
Ms. Karishma Chichria – Senior Software Engineer, Oneture Technologies Pvt. Ltd., Mumbai
Mr. Ashutosh Mishra – Trainee Engineer, RXO Company, Mumbai

Mumbai, Maharashtra, India

Winners (B.E. Projects)

Mumbai, Maharashtra, India

Project Title: Financial Risk analysis Using LLM
Team Members: Ketaki Nalawade, Tasmiya Khan, Purtee Mahajan, Shrushti Sambare
Achievement: Winner
Mentor: Dr. Sujata Khedkar

Mumbai, Maharashtra, India

Project Title: FarmImpact: Impact of Climate Change on Agriculture in India
Team Members: Vishakha Singh, Manasi Sharma, Anushka Shirode
Achievement: First Runner-Up
Mentor: Dr. Gresha Bhatia

Mumbai, Maharashtra, India
Hashu Adwani Memorial Complex, Collector's Colony, Collector Colony, Chembur, Mumbai, Maharashtra 400074, India
Lat 19.045743° Long 72.889147°
09/04/2025 12:20 PM GMT +05:30

Project Title: Crucial Need – Real-time Prenatal Health Monitoring
Team Members: Vanshika Lalwani, Madhura Gaval, Prerna Banswani, Kalpana Gurnani
Achievement: Second Runner-Up
Mentor: Ms. Nusrat Ansari

Project Title: Portfolio Optimization and Risk Management Using Advanced Quantitative Models
Team Members: Uzair Ibrahim Shaikh, Krishnam Raja, Dhiren Sidhwani
Achievement: Consolation Prize
Mentor: Ms. Abha Tewari

Winners (T.E. Projects)

Mumbai, Maharashtra, India
Hashu Adwani Memorial Complex, Collector's Colony, Collector Colony, Chembur, Mumbai, Maharashtra

Project Title: Jetlagged: Prediction of Airline Flight Delay
Team Members: Ved Waje, Abhirat More, Pranita Bannore, Harshita Lohana
Achievement: Winner
Mentor: Mrs. Vidya Zope

Project Title: NFTBazar: A Blockchain based NFT Exchange
Team Members: Rohit Shahi, Umesh Tolani, Gopal Vanjarani, Gaurav Mahadeshwar
Achievement: First Runner-Up
Mentor: Dr. Mrs. Nupur Giri

Mumbai, Maharashtra, India
Hashu Adwani Memorial Complex, Collector's Colony, Collector Colony, Chembur, Mumbai, Maharashtra 400074, India
Lat 19.045743° Long 72.889147°
09/04/2025 12:22 PM GMT +05:30

Project Title: eTherapist: A ML based Precision and Relief System using VR
Team Members: Siddhi Awari, Sri Haritha Movva, Ananya Parthasarathy, Srushti Poriwade
Achievement: Second Runner-Up
Mentor: Mrs. Priya R.L

Mumbai, Maharashtra, India
4, Vijay Nagar, Ashok Nagar, Collector Colony, Chembur, Mumbai, Maharashtra 400074, India
Lat 19.047461° Long 72.891977°
09/04/2025 12:23 PM GMT +05:30

Project Title: RailRelax: Enhancing Train Travel Comfort
Team Members: Wafiya Alim Shaikh, Anjali Thakrani, Anisha Shankar, Himaja Pannati
Achievement: Consolation Prize
Mentor: Mrs. Lifna C.S

Mumbai, Maharashtra, India
4, Vijay Nagar, Ashok Nagar, Collector Colony, Chembur, Mumbai, Maharashtra 400074, India
Lat 19.047461° Long 72.891977°

Project Title: LearnEase: Adaptive Learning Hub
Team Members: Jiten Purswani, Laveena Mirani, Srimathi Srinivasan, Kareena Lachhani
Achievement: Consolation Prize
Mentor: Mrs. Pallavi Saindane

2. BUZZPRO

The Department of Computer Engineering, in association with VESIT's Institution's Innovation Council (IIC) and Internal Quality Assurance Cell (IQAC), organized **BuzzPro '25**, a Technical Paper Contest, from **27th February 2025 to 21st March 2025**, targeting Second and Third Year Computer Engineering students.

Dr. Sharmila Sengupta conducted a **Paper Writing Workshop** for SE and TE students on **4th March 2025**, organized under the Research Forum of CMPN, VESIT.

No. of Students participated: 360
No. of Faculty members participated: 15

Name and details of the Judges:

- **Ms. Karishma Chichria**, Senior Software Engineer, Oneture Technologies Pvt. Ltd., Mumbai
- **Mr. Ashutosh Mishra**, Trainee Engineer, RXO Company, Mumbai
- **Prof. Asma Parveen Siddhavattam**, Assistant Professor, IT Department, VESIT

Convener:
Dr. (Mrs.) Nupur Giri (HOD, Department of Computer Engineering)

Coordinators:
Dr. (Mrs.) Sharmila Sengupta, Mrs. Lifna C. S. and Mr. Richard Joseph (Faculty, Computer Engineering Department)

Winners:

Paper: Scholarmate - An AI-Driven Research Platform for Detecting Plagiarism, Identifying AI-Generated Content, and Safeguarding Academic Integrity

Authors: Manas Patil, Ayush Attarde, Soham Kamathi, Tanishque Suthar

Achievement: Ist Prize (SE)

Paper: Suraksha_Sakey – A Smart Keychain ensuring Safety for all ages

Authors: Tejas Gadge, Ganesh Shelar, Deepak Kumbhar, Vedant Mhatre

Achievement: Ist Prize (TE)

Paper: Pluto – Advanced Band for Autism Support

Authors: Sanika Ingale, Ishwari Dehadray, Nitika Nagdevani, Vedika Walhe

Achievement: 2nd Prize (TE) & Best Presentation

Climbing to the top demands strength, whether it is to the top of Mount Everest or to the top of your career - Dr. A.P.J. Kalam

3. LAUNCH OF HARDWARE UNIT UNDER CODECELL++

The Hardware Unit launch under CodeCell++ was held on **21st March 2025** at **VESIT**, and was organized by the **Institution's Innovation Council (IIC)**. The event was coordinated by **Prof. Mrs. Indu Dokare (Faculty Incharge), along with Prof. Mrs. Nusrat Ansari and Prof. Mrs. Pallavi Gangurde (Faculty Coordinators).**

The core student team responsible for the Hardware Unit includes **Shivam Jha, Ayush Attarde, Niraj Chaudhari, Sumit Jha, Rochelle Ann Teddy, Saniya Jeswani, Shubham Mishra, Tanmay Jadhav, Lakhan Gurubaxani, and Rushikesh Shembade.**
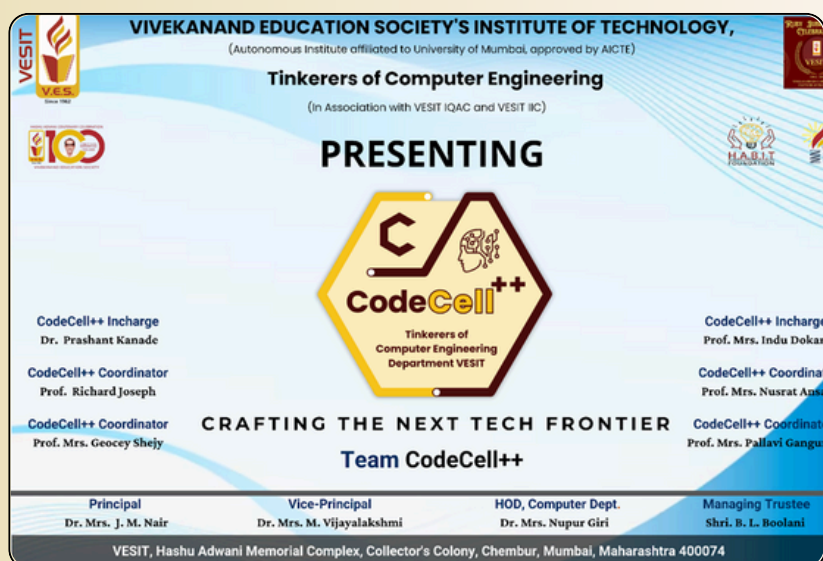
4. INAUGURATION OF LFDT INDIA STUDENT SOCIETY – VESIT CHAPTER

The **LFDT-VESIT Chapter** was inaugurated on **21st March 2025**.

Inaugurated by: **Dr. Anasuya Threse Innocent**, Founder of BiniWorld Innovations and Lead of the LFDT India Student Society, and **Mr. Kartikey Kashyap**, Developer Advocate and Event Manager for LFDT India

The event was convened by **Dr. (Mrs.) Nupur Giri**, Head of the Department of Computer Engineering, and coordinated by **Dr. (Mrs.) Priya R. L., Mrs. Lifna C.S.,** and **Mr. Richard Joseph.**

The chapter is envisioned to help students contribute to global blockchain ecosystems, especially in partnership with platforms like **Hyperledger.**

No. of Student Participants: 180
No. of Faculty Participants: 15

IDEATION JOURNEY

The **Department of Computer Engineering at VESIT**, under the guidance of **IQAC** and in collaboration with **IIC**, conducted a comprehensive workshop on **Innovation & Design Thinking** from **20th January to 28th February 2025** for a span of **30 hours.**

Coordinated and led by **Prof. Mr. Richard Joseph, Dr. (Mrs.) Sharmila Sengupta,** and **Dr. Prashant Kanade**, the workshop introduced students to key concepts such as **Design Thinking, Storyboarding**, and **Business Model Innovation.**

No. of Student Participants: 210

HACKERRANK CODING CHALLENGE

The **Department of Computer Engineering at VESIT**, under the guidance of **IQAC** and in collaboration with **IIC** and the **Placement Cell**, organized a **HackerRank Coding Challenge** for **second-year students** on **25th March 2025**. The event was held as part of the Continuous Assessment for the Design and Analysis of Algorithms (DAA) course.

The challenge was coordinated by **Mrs. Vidya Zope, Mrs. Lifna C. S., and Mrs. Yugchhaya Galphat**, all faculty in charge of the subject Design & Analysis of Algorithms.

CERTIFICATION PROGRAMS

TINKERER'S LAB : CODECELL ACTIVITIES

CYBERSECURITY WORKSHOP

Date of the Event : 29/01/2025 & 30/01/2025

Duration of the Event : 4 Hours

Speakers : Mr. Himesh Hotwani, Final Year, CMPN
Mr. Yash Katiyara, Second Year, CMPN

Coordinators : Prof. Mr. Richard Joseph, Codecell Student Team

Number of Student Participants: 35

The Cybersecurity Workshop was meticulously designed to provide students with a structured learning experience in the field of cybersecurity . It aimed to introduce participants to fundamental cybersecurity concepts, key terminologies, and real-world applications while also offering hands-on training in penetration testing and ethical hacking. Through expert-led sessions and interactive practical activities, the program encouraged students to develop a deeper understanding of security threats, network vulnerabilities, and secure coding practices, fostering a proactive approach to cybersecurity challenges in today's digital world.

TINKERER'S LAB : CODECELL ACTIVITIES

1. SYRUS HACKATHON 2025

The **SYRUS'25 – AI-Driven Fintech Hackathon** was successfully conducted on **March 28-29, 2025,** at VESIT Library. The event was organized by **CodeCell Tinkerers of the Computer Engineering Department,** in collaboration with **VESIT-IQAC and VESIT-IIC.** The hackathon aimed to encourage students to develop AI-powered Fintech solutions, fostering innovation and problem-solving skills.

1.1 TRACK : UPTIQ

Position : 1st Rank

Team Name : Flip flops

Leader Name : Manraj Singh Virdi

Amount : ₹30,000

Position : 2nd Rank

Team Name : Team Inspire

Leader Name : Tejas Mahesh Gadge

Amount : ₹20,000

TINKERER'S LAB : CODECELL ACTIVITIES

Position : 3rd Rank

Team Name : Status 200

Leader Name : Aniket Shrikant Mahajan

Amount : ₹10,000

1.2 TRACK : OPEN INNOVATION

Position : 1st Rank

Team Name : StackUnderflow

Leader Name : Susmita Thayappa Santi

Amount : ₹13,000

Position : 2nd Rank

Team Name : Khaana Khazana

Leader Name : Lintomon Saji Chirakkara

Amount : ₹10,000

1.3 SURPRISE TRACK : SURTRUCK

Position : 1st Rank

Team Members : Veda Patki & Aanchal Gupta

Leader Name : Aanchal Gupta

Amount : ₹5,000

TINKERER'S LAB : CODECELL ACTIVITIES

2. UNDERSTANDING AI BETTER WITH DEEPSEEK

Date of the Event : 13th February 2025
Coordinator : Prof. Mr. Richard Joseph, Codecell Student Team
Speakers : Mr. Piyush Chugeja, D17B, CMPN Miss Attreyee Mukherjee, D17B, CMPN
Total participation : 174

The workshop **"Understanding AI Better with DeepSeek"** provided an insightful introduction to DeepSeek AI and its applications. Organized as an interactive session, the event featured speakers **Attreyye Mukherjee and Piyush Chugeja**, both BE CMPN students, who guided attendees through the latest advancements in AI search.

The session covered various aspects of Natural Language Processing (NLP), semantic search, and their role in improving search efficiency. Additionally, the workshop explored how these AI-driven techniques are transforming industries such as enterprise search, e-commerce, healthcare, social media, and the legal sector.
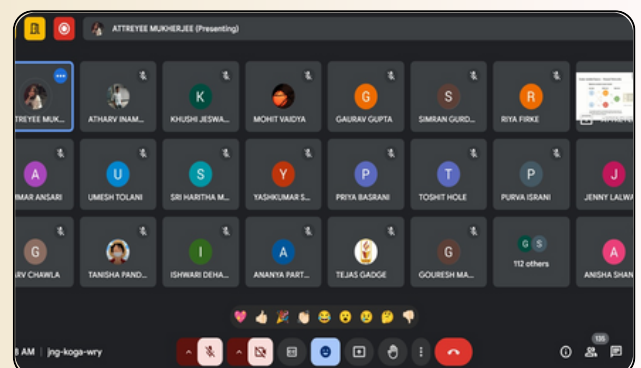
TINKERER'S LAB : CODECELL ACTIVITIES

3. BLOCKCHAIN BOOTCAMP: YOUR FIRST STEP INTO WEB3 APPLICATIONS

A session on "**Blockchain Bootcamp: Your First Step into Web3 Applications**" was presented by **CodeCell – Tinkerers of the Computer Engineering Department and LFDT India Student Society – VESIT Chapter, in association with VESIT IQAC & VESIT IIC.**

The session introduced students to the exciting world of Blockchain & Web3.

Faculty Ambassadors:

Dr. Mrs.Nupur Giri (HOD, CMPN Dept)
Prof. Lifna C.S. (Asst. Prof)
Prof. Priya R.L (Asst. Prof)
Prof. Richard Joseph (Asst. Prof)

Date: 8th April, 2025

Speakers: Vinesh Paralkar, Sadhak Kumar, Taufique Ansari, Devangana Barua

TINKERER'S LAB : CODECELL ACTIVITIES

4. GITHUB COPILOT WORKSHOP

Date of the Event : 09/04/2025

Speaker : Mrs. Dhanashri Chavan, Senior Enterprise Advocate at GitHub

Coordinators : Prof. Mr. Richard Joseph , Prof. Mrs. Pallavi Gangurde , Codecell Student Team

The GitHub Copilot: Your Innovative AI Pair Programmer workshop, held under the TechIgnite: Knowledge Series, was thoughtfully designed to introduce students to the powerful capabilities of GitHub and GitHub Copilot. The program aimed to showcase how AI can enhance software development by helping developers write code, learn new languages, and build projects more efficiently. Participants explored key features of GitHub and its AI companion, Copilot, through interactive demonstrations and guided sessions, gaining insights into how modern tools can transform the coding experience

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

PROJECT INNOVATIONS/COMPETITIONS

SIH 2024 - December 2024

Team Members: Manav Keswani, Soumil Tawde, Tanmay Chaudhary, Rishi Kokil, Soham Tawade, Mrudula Gotmare

Achievement: First prize (Rs. 1,00,000/-)

Mentor : Dr. Sujata Khedkar, Dr. Rohini Temkar

SIH 2024 - December 2024

Team Members: Darshan Khapekar, Shravani Rasam, Pranav Pol, Aadil Shah

Achievement: First prize (Rs. 1,00,000/-)

Mentor : Prof. Pallavi Saindane, Prof. Lifna C.S.

DevHack 6.0, IIT Dharwad (31st Jan-2nd Feb 2025)

Team Members: Harsh Ahuja, Simran Gurdasani, Rushil Rohra

Achievement: First prize in web development track

Mentor : Prof. Pallavi Saindane, Prof. Manisha Mathur

Eco Hackathon – Technex'25, IIT BHU
28th Feb 2025 - 3rd March 2025

Team Members: Vivek Venkatachalam, Nishika Gangwani, Madhura Golatkar

Achievement: Third prize

Mentor: Prof. Nusrat Ansari

Hackniche 3.0, DJSCE (8th March 2025)

Team Members: Vinesh Paralkar, Taufique Ansari, Devangana Barua, Sadhak Kumar

Achievement: First prize in Blockchin domain

PROJECT INNOVATIONS/COMPETITIONS

CodeCrafters 2.0 (16th March 2025)

Team Members: Darshan Khapekar, Shravani Rasam, Pranav Pol, Aadil Shah

Achievement: Second Prize

TechXpression, B.K. Birla College ,Kalyan (2nd Feb 2025)

Team Members: Himanshu Goyal, Aadil Shah, Mayuresh Gujare

Achievement: Second Prize in AI Domain

Code-ए-Manipal, Jaipur University 21st and 22nd March 2025

Team Members: Harsh Ahuja, Simran Gurdasani, Rushil Rohra

Achievement: Top 20 among 200+ teams

Mentor : Prof. Pallavi Saindane

HackAurora 2024- Technovanza-VJTI 21st December 2024

Team Members: Anisha Shankar, Tejas Gadge

Achievement: Winner

Mentor : Prof. Mannat Doultani
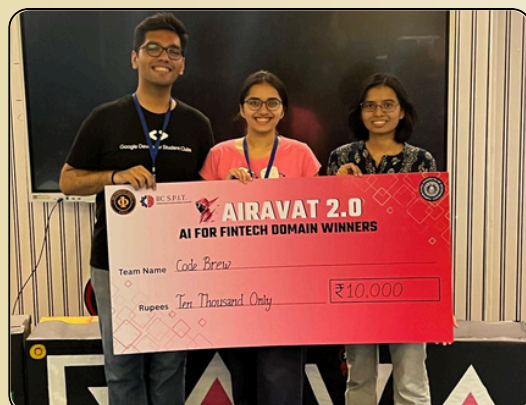
Airavat 2025- SPIT Hackathon 13th April 2025

Team Members: Piyush Chugeja, Simran Ahuja, Sejal Datir

Achievement: Winner

PROJECT INNOVATIONS/COMPETITIONS

KnowCode 2.0, KJ Somaiya Institute of Technology 24th Jan 2025

Team Members: Manav Keswani, Soumil Tawde, Tanmay Chaudhary, Rishi Kokil, Soham Tawade, Mrudula Gotmare

Achievement: First prize (Rs. 1,00,000/-)

ADVITIYA, IIT Ropar (7th Feb 2025)

Team Members: Lintomon Chirakkara, Aditya Kushwaha, Aniket Pradhan, Parth Wande

Achievement: First Runner-up
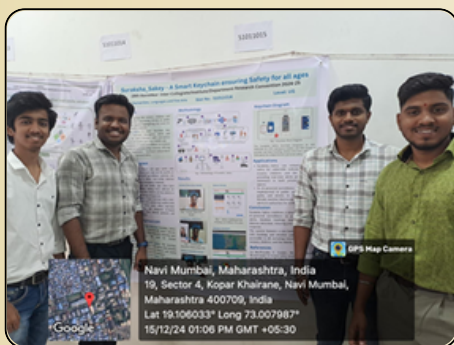
Aavishkar Inter-Collegiate Competition 17th Dec 2024

Team Members: Tejas Gadge, Ganesh Shelar, Deepak Kumbhar, Vedant Mhatre

Mentor : Prof. Mannat Doultani

Cyber for Her , Scope Convention Centre, Delhi (8th March 2025)

Team Member: Anisha Shankar

Achievement: Top 20

Ideathon 2.0 – MU IDEAS Incubation Centre (24th March 2025)

Team Members: Sarang Pavanaskar, Mohit Vaidya, Akshat Mahajan, Tanmay Maity

Achievement: Finalist

Mentor: Dr. Sujata Khedkar

PROJECT INNOVATIONS/COMPETITIONS

Project DeepBlue Season 10

Team Members: Lintomon Chirakkara, Aditya Kushwaha, Aniket Pradhan, Parth Wande

Achievement: Third Runner Up- Mastek's Deep Blue Hackathon

Project DeepBlue Season 10

Team Members: Tejas Gadge, Anisha Shankar, Vedang Gambhire, Anuprita Mhapankar

Achievement: Semi-Finalist

Mentor : Mr. Sameer Mohan Naik (From Mastek)

Megahack 5.0 (7th -8th March 2025)

Team Members: Soham Parab, Advait Dongre, Om Chauhan, Vaidehi Devrukhkar

Achievement: Winner

Hack to Crack 2.0 (20th -21st March 2025)

Team Members: Ayush Duseja, Darshan Kakad, Vineet Chelani, Sahil Ahuja

Achievement: Most Innovative Award

Mentor : Prof. Priya R. L.

INDUSTRY PROJECTS

Artificial Intelligence based Smart Driver Assistant for Reduction of Road Fatality

III-T Hyderabad, I-Hub Grant

Mentor
Dr. Nupur Giri

Visual Digital Twin of Medical Solutions for a specialised Gen AI

Myraa Technologies Pvt. Ltd.,

Kinjala Ahuja
Taufique Ansari
Devangana Barua
Dipanshu Ghime

Mentor
Dr. Sharmila Sengupta

Dhaanya:AI -Powered Disease Incidence Prediction system for Paddy Plants

Government of Maharashtra,Mahatma Phule Krish Vidyapeeth,Rahuri

Saumya Tripathi
Attreyee Mukherjee
Yashodhan Sharma
Amogh Inamdar

Resource Person
Dr. K.S. Raghuvanshi

Mentor
Dr. Sharmila Sengupta

Construction Management System App

M/S SK Gurbaxani Pvt. Ltd.

Aditya Mangtani
Hiten Kataria
Tejas Ghodke
Malhar Pande

Resource Person
Mr. Amar Gurbaxani

Mentor
Prof. Vidya Zope

AI-Driven short- and medium-term Crude Oil and Carbon Black price forecasting

Vidhitech Solutions Private Limited, New Delhi

Dipeshbhai Patel
Advay Somani
Parth Takale
Parth Udole

Resource Person
Mr. Vinod Taneja

Mentor
Prof. Yugchhaya Galphat

CO-CURRICULAR ACTIVITIES

PARTICIPATION IN INTER COLLEGE COMPETITIONS

A total of **51 events** saw participation from our students, with **13 teams winning top positions** including 1st place at **Ethos Hackathon (IIT Guwahati), HackAurora (VJTI Mumbai)**, and **DevHack6.0 (IIT Dharwad)**. Several teams secured **2nd prizes** or **Runner-up positions** in events like **Know Code 2.0, TechXpression,** and **Codecrafters 2.0**, while special awards such as **"Most Innovative"** and **"Blockchain Domain Winner**" were also achieved. Beyond the winners, **16 teams were finalists,** and **22 teams participated** across prestigious platforms such as **SIH Hackathon, Eco-Hackathon (IIT BHU),** and **SPIT Hackathon 2025,** showcasing strong representation and involvement in national-level competitions.

PARTICIPATION IN INTRA COLLEGE COMPETITIONS

No of Events : 03

Participation : 29

No of Events : 01

Participation : 76

No of Events : 04

Participation : 197

No of Events :05

Participation : 139

PARTICIPATION IN INTER COLLEGE EXTRA-CIRRICULAR ACTIVITIES

Our students shine both in and beyond the classroom—excelling in extracurriculars and showcasing their all-round talent. We're proud to celebrate their holistic growth!

PARTICIPATION IN INTRA COLLEGE EVENTS
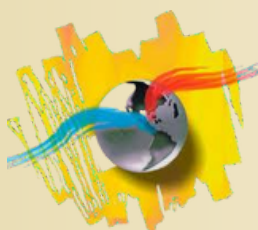
No of Events: 05

Participation : 40

No of Events :03

Participation : 95

No of Events : 02

Participation : 53

Team VESCOA: Winners

Team VESIT: Runners up

ALUMNI INTERACTION

V-REACH'25 – AN ALUMNI ENGAGEMENT INITIATIVE

A session titled **"Landing Your Dream Job at Google: A Roadmap to Innovation and Career Growth in Tech"** was conductedon **14th January 2025** where the speaker shared her inspiring journey from VESIT to renowned companies like JP Morgan, Amazon, and Google.

Speaker: Neelam Purswani, Technical Program Manager, Google

ALUMNI MEET 2024–25

Alumni Meet '25 at VESIT was a grand celebration of nostalgia, achievements, and connections held on **18th January 2025** organized by the **Department of Computer Engineering,**

Dr. Nupur Giri warmly welcomed the alumni, followed by the launch of **VESIT Community Connect** in collaboration with **Sprect—a professional networking platform** that enables one-on-one video consultations with industry experts. **Mohit Khadaria, co-founder of Sprect,** introduced the platform and shared its vision. **Dr. J. M. Nair, Principal of VESIT**, addressed the gathering with a heartfelt speech highlighting alumni contributions.

Special addresses by trustees **Shri Vijay Talreja (VESIT alumnus & President, Alumni Association)** and **Shri Bharat Ajwani** added a nostalgic touch as they shared experiences from their VESIT days and journeys in industry and entrepreneurship.

ALUMNI MEET 2024–25

Distinguished Alumni of the Year:
Mr. Ranjeet Shetye (Batch 1995),
Managing Director – India, Everstream
Analytics

Entrepreneur of the Year:
Mr. Sagar Vasnani (Batch 2017),
Founder – Let's Meditate

S**prect** is an innovative platform designed to facilitate one-on-one video consultations, enabling users to receive personalized advice and inspiration from professionals worldwide.

Founders of Sprect

Guest Talk:

Mr. Amit Rambhia (Batch 1995), Managing Director – Panache Digilife Ltd., inspired attendees with his entrepreneurial journey that began in college, eventually leading to global recognition and NSE listing of his tech company.

INTERNSHIP DETAILS

111 students completed internships with **36 in various companies** and **75 within the department** during the Even Semester of the academic year 2024-25. These internships were offered by 28 different companies, including top organizations such as Bhabha Atomic Research Centre, IIT Ropar, DHL Global Forwarding, Lazy Bone Innovations, SR Counselling India, AI BI Street Pvt Ltd, The Sparks Foundation, Oasis Infobyte, InternPe, LetsGrowMore, etc.

Students from various divisions worked on diverse projects ranging from AI-based solutions, web development, SAAS products, AR/VR applications, mobile apps, and data science tools to municipal and industrial software systems. The internship durations varied from 1 month to over 6 months, with some still ongoing.

SCHOLARSHIPS RECEIVED

VESIT offers various scholarships to meritorious and needy students. Students Aid Scholarship, Vivekanand Jyoti Scholarship, Alumni as well as other scholarships Jadavpur Alumni Association Scholarships, TU Cibil etc. are offered every year.

21 students from the Computer Engineering Department have received scholarships till date. This includes beneficiaries of the **Vivekanand Jyoti and Students Aid schemes,** recipients of the **Ekam Foundation Scholarship,** and those awarded the second installment of the **IDFC FIRST CSR Scholarship.** Approximately **total of INR 6,50,000** has been received so far by our students**.**

Success isn't about how much money you make. It's about the difference you make in people's lives. - Michelle Obama

ANNUAL PRIZE DISTRIBUTION EVENT

The **Computer Engineering Department** proudly acknowledged the academic excellence of its students at the **Annual Prize Distribution Event,** held on **5th April 2025** in the VESIT Auditorium, through special memorial awards and class-wise rank prizes presented to top performers from the second, third, and final year.

Annual Day Team

BE 1st Rank Holder: Jessica Lalchandani

TE 1st Rank Holder: Piyush Chugeja

SE First Rank Holder : Siddhi Awari

CMPN BATCH 2021–2025

Division A

Division B

Division C

FACULTY CONTRIBUTIONS

Content:

INDUSTRIAL VISIT TO IISER

The faculty visit to the **Indian Institute of Science Education and Research (IISER)** Pune on 29th March 2025, organized by VESIT in association with VESIT - Institution's Innovation Council and VESIT - Internal Quality Assurance Cell, 14-hour immersive field visit focused on Research & Development in quantum computing.

Coordinators: Dr. J.M. Nair, Dr. Gresha Bhatia and Dr. Sharmila Sengupta

CMPN Faculty: Dr. Gresha Bhatia, Dr. Sharmila Sengupta, Dr. M. D. Patil, Dr. Priya R. L., Mrs. Abha Tewari Mr. Sanjay Mirchandani and Mrs. Sujata Khandaskar

Guide: Dr. Sunil Nair, Project Director at IHUB-QTF

FACULTY CONTRIBUTIONS

WORKSHOPS/COURSES ATTENDED BY FACULTY

A total of **13 faculty members from the Computer Engineering Department** attended various faculty development programs during the academic year

- **Dr. Sharmila Sengupta** participated in programs including an FDP on **"IoT and ML for Advanced Biomedical Signal Processing"** organized by PDPM IIITDM Jabalpur and ABV-IIITM Gwalior from 15th to 24th January 2025. Six-day ATAL FDP on **"Harnessing Artificial Intelligence for Societal Sustainability"** from 9th to 14th December 2024, and a six-day ISTE FDP on **"Cybersecurity, AI and Quantum Revolution"** from 3rd to 8th March 2025.

- **Prof. Geocey Shejy, Prof. Priya R. L., and Prof. Nusrat Ansari** attended the ATAL FDP on "**Cybersecurity**" at SIES Graduate School of Technology, Nerul, from 6th to 11th January 2025.

- **Prof. Lifna C. S.** attended 12-day FDP on **"Decentralized Advanced Blockchain Technologies"** organized by Fr. Conceicao Rodrigues College of Engineering from 9th to 21st December 2024.

- **Prof. Sanjay Mirchandani** attended ISTE-approved FDP on "**Simulation-driven design for antenna and RF components**" at K. J. Somaiya School of Engineering from 16th to 20th December 2024.

- **Prof. Pallavi Saindane** completed two FDPs—one on **web development solutions with cloud computing** under the Next Gen Employability Program by Edunet Foundation and EY GDS, and one-day **PWA workshop at IITM** on 21st December 2024.

- **Prof. Manisha Mathur and Prof. Priti Ashish Joshi** attended a six-day ATAL FDP on "**Deep Learning and Its Applications**" at Shah & Anchor Kutchhi Engineering College on 21st December 2024.

- **Prof. Priyanka Kevin Nagda** took part in an ATAL FDP on **IoT Integration with Embedded Systems** at Atharva College of Engineering from 6th to 11th January 2025.

SKILL DEVELOPMENT ACTIVITIES

CERTIFICATION EXAMS

A total of **15** faculty members from the department completed certification programs across domains such as **AI, blockchain,** networking, and programming, reflecting a strong culture of continuous learning.

- **Dr. Sujata Khedkar** completed two advanced certifications: "Learn Langchain: Build #22 LLM Apps using OpenAI and Llama2" and "DeepSeek Complete Guide: GenAI, AI Agents, Monetizing and More" on Udemy, each spanning four weeks.
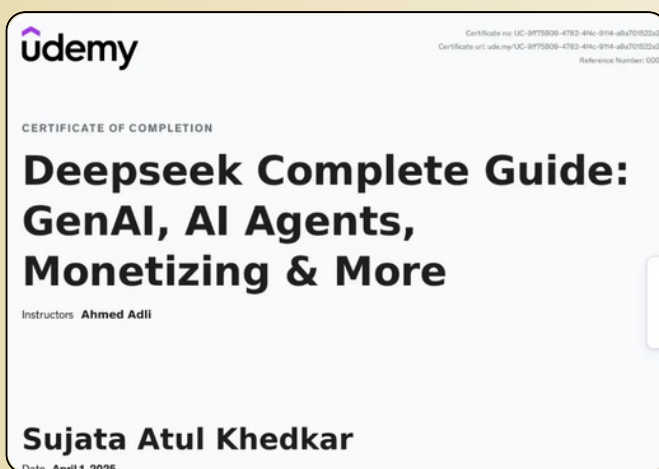
- **Prof. Vidya Zope** completed a course on CognitiveClass.ai powered by IBM Developer Skills Network.
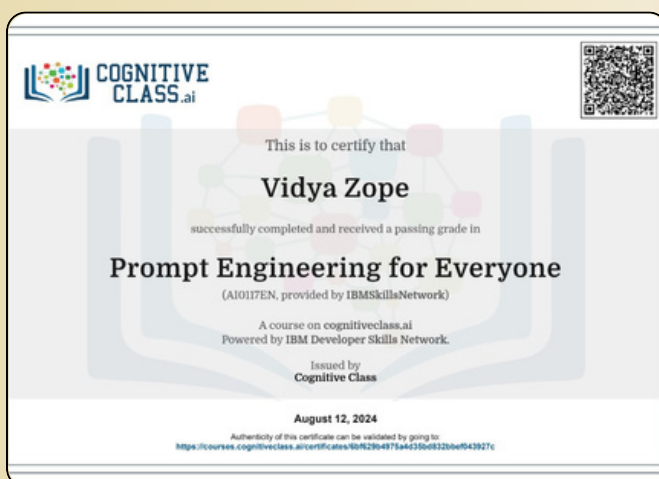
- **Prof. Lifna C. S.** earned certification in "Hyperledger Fabric Fundamentals" from Kerala Blockchain Academy.

- **Prof. Pallavi Gangurde** completed a four-week course titled "Demystifying Networking" from IITB via SWAYAM.

- **Prof. Sanjay Mirchandani** completed four certifications via SWAYAM: "Selection of Nanomaterials for Energy Harvesting," "Teaching and Learning in General Programs (TALG)," "Physics of Renewable Energy Systems," and "Applied Linear Algebra for Signal Processing," with scores ranging from 67% to 87%.

- **Prof. Sunita Suralkar** and **Prof. Rupali Soni** completed the eight-week NPTEL course on Theory of Computation by IIT Kanpur.

- **Prof. Rupali Soni** completed AICTE's module on "Institutional Management & Administrative Procedures."

- **Prof. Pallavi Saindane** completed a 12-week NPTEL Plus certification on "GIS, Drones, and Machine Learning for Resource Mapping" from January to April 2025.

- **Prof. Yugchhaya Galphat** successfully completed "Theory of Computation" and "Database Management Systems" from IIT Kanpur and IIT Kharagpur, scoring as high as 96%.

"The only way to do great work is to love what you do."
— Steve Jobs

RESEARCH ACTIVITIES

EXPERT TALKS

An expert session on **"Quantum Computing"** was conducted on 1st February 2025 as part of the ISTE-approved symposium VESIT-TAS (Technology Advancements & Sustainability) organized under the Innovation and Incubation Cell (IIC).

Speaker: Mr.Rajesh Sahasrabuddhe

RESEARCH PAPERS PUBLISHED

Facuties along with students published a total of 6 research papers in various national and international journal and conferences.

Dr. Sujata Khedkar, Srushti Satish Sambare, Tasmiya Sarfaraz Khan, Purtee Santosh Mahajan, and Ketaki Dhananjay Nalawade published **"Financial and Corporate Risk Analysis Using Large Language Models (LLMs)"** in ICSTEMSD-2025 (IJTE).

Dr. Sujata Khedkar, Srushti Satish Sambare, Tasmiya Sarfaraz Khan, Purtee Santosh Mahajan, Ketaki Dhananjay Nalawade published "Metadata Extraction from Legal Contracts using Large Language Models" in ICSTEMSD-2025 (IJTE).

Dr. Sujata Khedkar, Srushti Satish Sambare, Tasmiya Sarfaraz Khan, Purtee Santosh Mahajan, Ketaki Dhananjay Nalawade published "AI Driven Investment Insights Using ESG Prediction Models" in ICSTEMSD-2025 (IJTE).

Dr. Sujata Khedkar, Ayush R. Gerra , Lintomon S. Chirakkara , Sania Khan , Prathamesh Joshi , Harsh Dhebe titled **"LearnSmart: Tool to Extract Key Concepts and Arguments from YouTube Lectures"** was presented at ICETCSE-2025, IEEE Bombay Section.

Dr. Sujata Khedkar, Srushti Satish Sambare, Tasmiya Sarfaraz Khan, Purtee Santosh Mahajan, Ketaki Dhananjay Nalawade published was **"Annual Public Report Analysis ChatBot Using LLM"** presented at ICSTEMSD-2025 (IJTE).

Prof. Pallavi Gangurde, Aadil Shah, Jennifer Thozhuvathinkal, Anusha Gonal, Mayuresh Gujare, Vedant Navani published the paper "AirAware - Empowering Health Choices and Navigating India's Air Quality Landscape" presented at the 2024 IEEE Silchar Subsection Conference (SILCON).

RESEARCH GRANTS

Project Title: SYRUS Hackathon 2024 Prize Sponsorship

In association with : Devfolio Github , Polygon , Microsoft Learn Student Ambassador , ETH India Give my Certificate

Faculty: Dr. Nupur Giri , Dr.Prashant Kanade , Mr.Richard Joseph

Project Title: Artifcial Intelligence based Smart Driver Assistant for Reduction of Road Fatality.

In association with : iHub-Data Mobility-two wheeler mobility, IIIT Hyderabad

Faculty: Dr. Nupur Giri

Project Title: AI-Driven Short- and Medium-Term Crude Oil and Carbon Black Price Forecasting.

In association with : Vidhitech Solutions Pvt. Ltd. (This project is formalized through a Memorandum of Understanding (MoU) and has a budget of INR 60,000.)

Date : August 2024 to July 2025

Faculty: Prof. Yugchhaya Galphat

INTERACTION WITH OUTSIDE WORLD

PAPER REVIEW

Faculty members were involved in reviewing research papers for national and international platforms.

- **Dr. Sujata Khedkar** reviewed papers for the International Conference on Climate Change and the Journal of Engineering Applications of AI.

- **Dr. Sharmila Sengupta** reviewed papers for the Journal of the Chinese Institute of Engineers.

- **Prof. Lifna C. S.** reviewed papers for ICMLDE 2024 and the Conference on Industry 4.0 Technologies

- **Prof. Nusrat Ansari** reviewed papers for ICMLDE 2024 and the conference on Industry 4.0 Technologies.

- **Prof. Sanjay Mirchandani** reviewed papers for 6th IEEE Symposium on Computers &Informatics (ISCI2024), Malayasia.

SYLLABUS SETTING

A total of **20** subjects syllabus contributions were made by faculty members for second year, Third year and final year.

- **Dr. Nupur Giri** contributed to the syllabus setting of the subjects: Augmented Reality-Virtual Reality and Blockchain.

- **Dr. Sujata Khedkar** contributed to the syllabus setting of the subjects: Agile PM, Design Thinking, Applied Data Science, NLP, Big Data Analytics, DSGT, Deep Learning, and Social Media Analytics.

- **Prof. Nusrat Ansari** contributed to the syllabus setting of the subjects: Cyber Laws and Digital Forensics, Progressive Web Application and Laboratory, and Cryptography and System Security Laboratory.

- **Prof. Pallavi Saindane** contributed to the syllabus setting of the subjects: Progressive Web Applications Development, Mobile Applications development , Augmented Reality-Virtual Reality, Computer Graphics and Animation.

- **Prof. Yugchhaya Galphat** contributed to the syllabus setting of the subjects: Theory of Computer Science and Cloud Computing Laboratory.

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. 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.

- **Dr. Sujata Khedkar** acted as DAB Incharge, PAC Member, and served on the WDC, IC, and BOS committees.

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

> "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

ACCOMPLISHMENTS

- Prof. Sanjay Mirchandani was recognized as an **"NPTEL Star - Believer Enthusiast"** for clearing 8 or more **NPTEL exams** over the past 4 semesters with a pass rate of over 75 percent.

- The Department of Computer Engineering received the **"Star Performer TPO"** award for outstanding contribution to training and placements. The recognition was presented during the **TPO Development Program 2025,** conducted by the Maha Association of Training and Placement Officers in association with WCE on 7th–8th March 2025.

"To succeed in your mission, you must have single-minded devotion to your goal."
– Dr. A.P.J. Abdul Kalam

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

Mohit Patil
D17B

Sarang Pavanaskar
D12A

Harsh Ahuja
D12A

Ravina Vartak
D12A

Madhura Anerao
D12A

Vedant Mhatre
D7C

Peehu Makhija
D7B

Anjali Thakrani
D12B