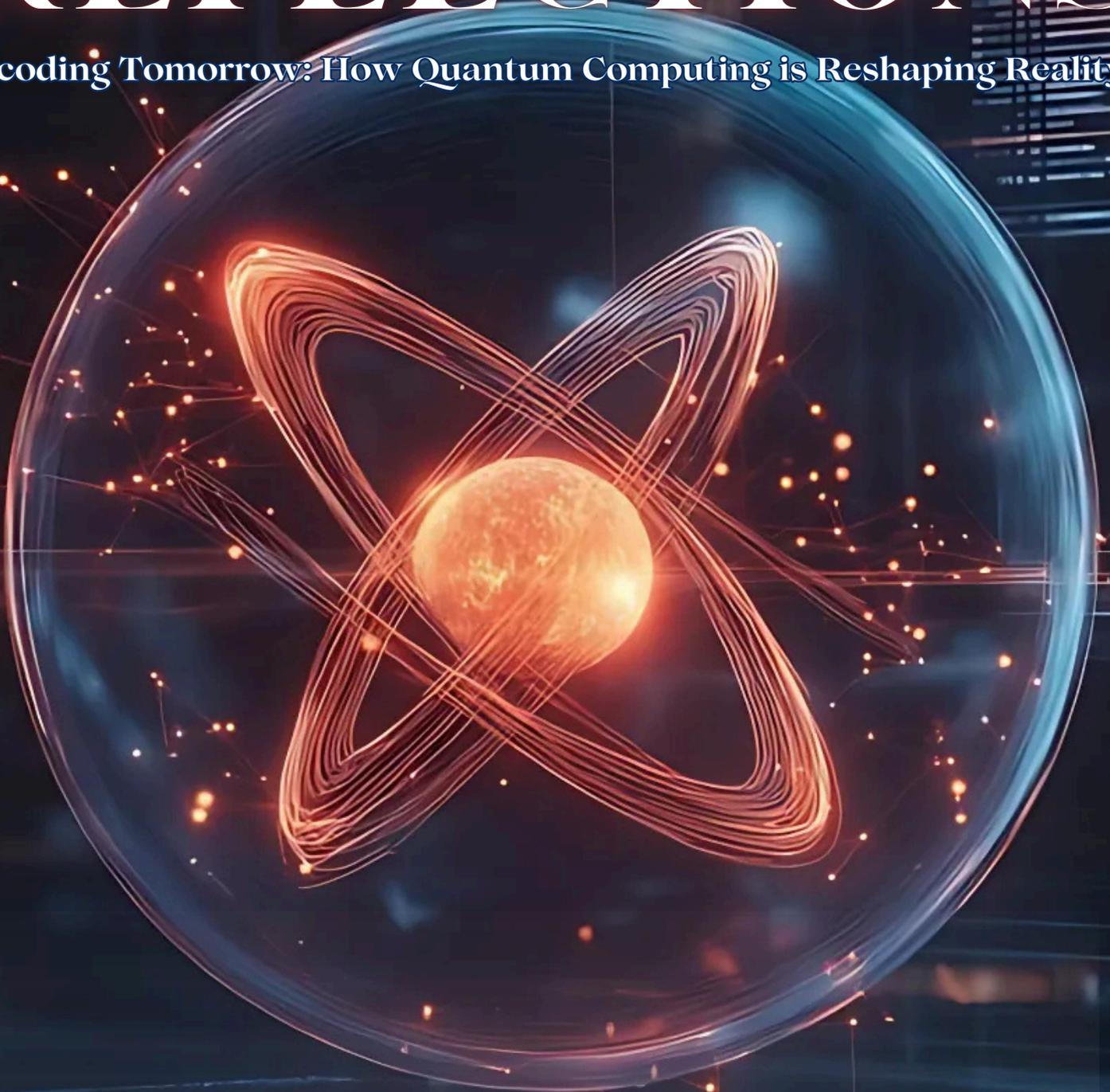




VOLUME 21 | APRIL 2025

REFLECTIONS

Decoding Tomorrow: How Quantum Computing is Reshaping Reality



THE EXTC TIMES

newsletter.extc@ves.ac.in

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MESSAGE FROM THE DEPARTMENT

Dear Students, Faculty and Alumni,

Greetings from the Department of Electronics and Telecommunication Engineering and welcome to this edition of our EXTC Departmental Newsletter!

It is with great pleasure that we bring you the latest updates, achievements, and insights from our vibrant community. This newsletter serves as a platform to highlight the innovative projects, ground-breaking research, and exceptional contributions made by our faculty, students, and staff.



Mr. Gaurav Y. Tawde

Our faculty members continue to inspire and mentor the next generation of engineers, fostering an environment of creativity and critical thinking. Through workshops, seminars, and hands-on projects, we ensure that our students are equipped with the knowledge and skills necessary to thrive in the ever-evolving field of electronics and telecommunication.

As we continue to push the boundaries of engineering education and research, we are proud to see the remarkable growth and success of our department. From new research initiatives to exciting student achievements, each development reflects the passion and dedication that define our collective efforts. In this issue, we highlight the achievements and milestones that have defined our journey. From ground-breaking research initiatives to industry collaborations, our department remains at the forefront of technological advancements. We take pride in the accomplishments of our students who have excelled in various competitions and internships, showcasing their skills and commitment to excellence.

I invite you to explore the stories within this edition and celebrate the ongoing success of our department. Whether you are a current student, an alumni, or part of our faculty, your contribution to the department's legacy is invaluable, and we are grateful for your continued support and engagement.

Thank you for being a part of this exciting journey.

Mr. Gaurav Y. Tawde

Assistant Professor,

Department of Electronics & Telecommunication Engineering, VESIT.

NOTABLE MOMENTS

Farewell of Batch 2024 – 2025

Marking a memorable milestone, the third-year EXTC students of VESIT organized an emotional and vibrant farewell ceremony for the final-year batch of academic year 2024 - 2025 on **19th April 2025** at the VESIM Auditorium. With heartfelt energy and poise, Mr. Gautam Singh and Ms. Shravani Kale led the event, setting the tone for a nostalgic evening. Our esteemed faculty members, including Dr. Manisha Chattopadhyay, Dr. Nandini Ammanagi and Dr. Shobhit Khandare, delivered poignant speeches and poetic tributes. Final year Class Representatives and students reflected on their transformative journeys and expressed deep gratitude towards their mentors. The celebration featured cultural performances, a photo session and concluded with a touching garden ceremony.



Poster of the Event

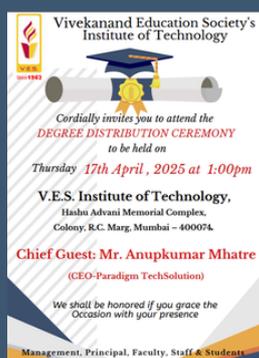


Final Year Students (2024-25)

Degree Distribution Ceremony

The Department of Electronics and Telecommunication Engineering organized the **Degree Distribution Ceremony** on **17th April 2025** to honor the graduating batch of **2023 - 2024**. The event was graced by **Mr. Anupkumar Mhatre, CEO - Paradigm Tech Solution**, who inspired the audience with valuable insights from his professional journey. He emphasized the importance of continuous learning, adaptability, and personal growth in today's dynamic world.

The ceremony featured the formal conferral of degrees, celebrating the academic achievements and efforts of the graduating students. It was a momentous occasion filled with reflection, motivation, and a deep sense of pride, marking the transition of students from academic life to their professional paths.



Poster of the Event



Faculty Members with the Chief Guest

Careers in Finance Markets Session

The Research Forum of VESIT, in collaboration with the Department of EXTC, IIC and IQAC, hosted a session titled “**Changing Landscape of Careers in Finance Markets**” on 16th April 2025. Held in the VESIT Auditorium, the talk featured **Mr. Santosh Kumar** and **Mr. Ameen Khan** from **BSE Institute Ltd.** and attracted great enthusiasm from attendees.

A total of **71** participants, including students and faculty, explored how technology is reshaping finance careers through AI, blockchain, DeFi, and ESG investing. The session promoted financial literacy, emphasized interdisciplinary skills, and inspired students, especially engineers to pursue modern finance roles beyond traditional banking and accounting paths.



Students attending the session



Mr. Santosh Kumar delivering the talk

Exploring ISO 27001: A Talk on Implementation Strategies

The Institution’s Innovation Council (IIC), in collaboration with IQAC, organized an expert talk on **ISO 27001 Implementation Scenario** on 29th March 2025. The session featured **Mr. Satyam Singh**, **ADG (Security), DoT Mumbai**, a senior official from the Indian Telecommunication Service (ITS), certified ISO 27001:2022 Lead Auditor, and acclaimed TEDx speaker. Designed to bridge theoretical frameworks with real-world practices, the session offered a deep dive into key ISMS domains, including organizational, technological, and human-centric controls. With participation from **223** students and **14** faculty members, the talk also explored practical applications of the CIA triad, risk treatment strategies, remote access protocols, and audit lifecycle management, equipping attendees with actionable insights into robust cybersecurity implementation.



Poster of the Event



Mr. Satyam Singh interacting with students

Bridging Generations: Alumni Project Review (BGAP)

In a remarkable initiative to connect academic learning with industry relevance, the Department of Electronics and Telecommunication Engineering organized an Alumni led project review and **Technology Day Celebration** on **21st March 2025**. The event offered third-year students a valuable opportunity to present their mini-projects to a panel of distinguished alumni: **Alrich D., Tanmayee Bochare, Dhiraj Shownkeen, Aashirwad Bedekar, Aakash Karnani, Deepak Desai, Adarsh P. S., Shripad Kulkarni, Bhavesh Khati, Aakansha Jadhav, Farhen Khan, Krishik Rao, Sahil Jadhav, Manas Singh, Vivek Sudhakar, Hemraj and Rajiv Yadav**. There were a total of **32** groups of **132** students participating, the initiative not only enhanced project quality but also inspired students to think critically and align their work with industry expectations fostering professional growth and meaningful alumni engagement.



Poster of the Event



Alumni with Mr. Mrugendra Vasmatkar

FPGA SDK and Raspberry-Pi Workshop

VESIT Tinkerer's Lab (EXTC), in association with IIC and IQAC, conducted hardware workshops on **FPGA Programming with Vivado SDK** and **Programming Through Raspberry Pi** from **20th to 22nd January 2025**, as part of **VES HACK-IT 2025**. Key speakers included **Shardul Bhawe** and **Jaishree Epili** (FPGA) and **Gaurav Singh, Ashish Nair, Kaustubh Worlikar, Piyush Pandey, Krishnan Hariharan, and Akshay Nambiar** (Raspberry Pi). Around **172** participants gained hands-on experience in embedded systems, sensor integration, and real-world IoT applications.



Students attending the workshop

ATAL-FDP on mmWave Technologies

The Department of Electronics and Telecommunication Engineering successfully organized the AICTE-ATAL sponsored FDP on “mmWave Technologies” from 13th to 18th January 2025, making a noteworthy contribution to faculty development in advanced wireless communication. Spearheaded by Dr. (Mrs.) Ranjan Bala Jain (Coordinator) and Dr. (Mrs.) Monali Chaudhari (Co-coordinator), the program brought together over 130 faculty members from across India. Across 13 technical sessions, distinguished experts from premier institutes including IITs, NITs, and international universities delivered deep insights into 5G technologies, mmWave propagation, RIS, antenna design, and measurement techniques. This initiative reflects VESIT EXTC’s commitment to academic leadership, innovation, and knowledge dissemination in emerging communication technologies.



Poster of ATAL Session



Glimpse of ATAL Session

Alumni Meet-2024 & Silver Jubilee of 1998 – 1999 Batch

On 4th January 2025, the Department of Electronics and Telecommunication Engineering at VESIT, in collaboration with IIC, IQAC, and EXTC-Tinkerer’s Lab, organized a special Alumni Meet as part of the Ruby Jubilee celebrations. The event also marked the Silver Jubilee of the 1998-1999 batch, with 92 alumni and 57 faculty attending. Highlights included cultural performances, a nostalgic video, inspiring alumni speeches, and a campus tour. The event fostered student-alumni interaction, mentorship, and networking, promoting collaboration and career opportunities. It celebrated VESIT’s legacy while reinforcing its commitment to alumni engagement and academic excellence for future growth.



Poster of the event

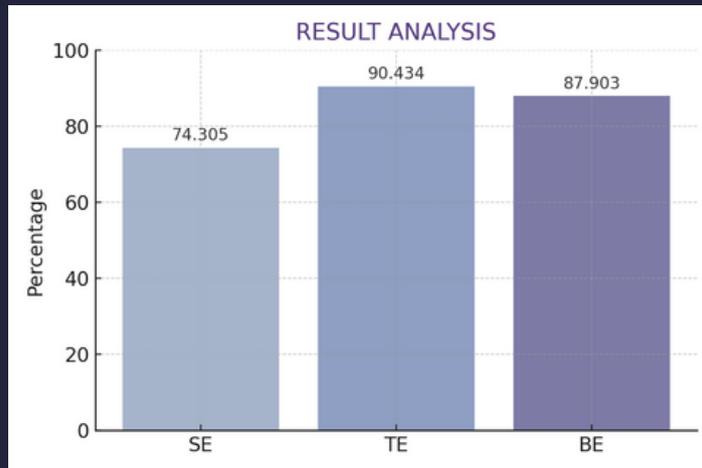


Glimpse of the event

ACADEMIC RESULT

Excellence isn't built overnight, it's earned through focus, discipline, and determination. At VESIT, the Department of EXTC celebrates not just results but the relentless spirit behind them. Through consistent effort and unwavering dedication, our second-year, third-year, and final-year students have achieved commendable averages of **74.30%**, **90.43%** and **87.90%** respectively.

As Helen Keller once said, **“Optimism is the faith that leads to achievement. Nothing can be done without hope and confidence.”** These milestones are more than numbers; they reflect the grit, vision and steady drive of our students. We applaud each one of them as they continue their journey with purpose, curiosity, and the will to make a difference.



Result analysis 2024-25 (Odd Sem)

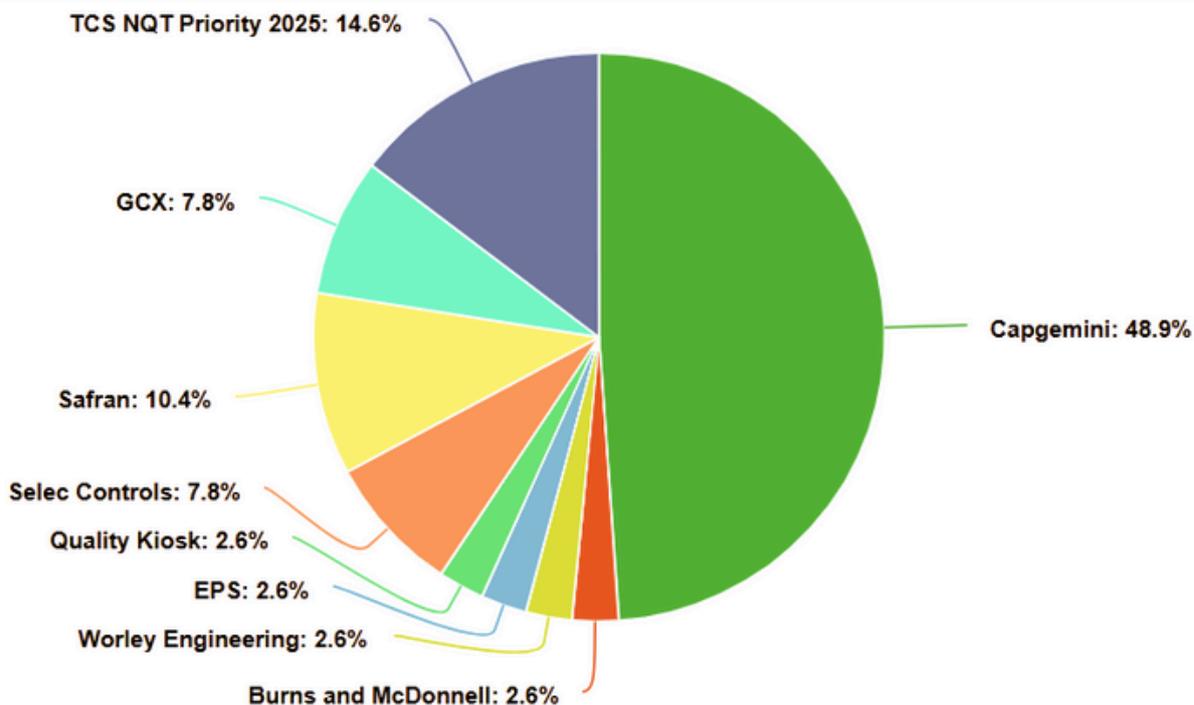
Year	Name of Student	CGPA
SE	Bharati Aryan Amar Sapna	10.00
	Sarawadekar Akshata Kishor Archana	9.82
	Jain Neev Bharat Seema	9.77
TE	Bhave Shardul Prashant Sarika	10.00
	Diwane Samruddhi Vaibhav Aishwarya	10.00
	Pal Nikunj Ganesh Anita	10.00
BE	Shah Karan Girish Hetal	10.00
	Khan Mohammed Farhan Zafar Nusrat	9.40
	Ayalwar Unnati Pravin Archana	9.40
	Boob Aditi Nitin Jayashri	9.40

PLACEMENTS STATISTICS FOR 2024-2025 (EVEN SEM)

In the face of an ever-evolving professional landscape, the Department of EXTC proudly celebrates a remarkable wave of placement triumphs. With unyielding resolve and refined talent, our students have earned coveted positions at prestigious firms including **Capgemini**, **Burns & McDonnell**, **Worley Engineering**, **GCX**, **TCS NQT Priority 2025**, **Selec Controls**, **EPS**, **Quality Kiosk**, and **Safran**. These accomplishments are far more than career launches, they are bold declarations of ambition, perseverance, and potential. As they chart their course forward, their success radiates as a symbol of excellence forged through dedication and driven by vision.



Recruiters of Excellence



Placement Statistics

A total of **68** students secured placements in this academic year, reflecting the department's strong academic foundation and industry-oriented training. This achievement highlights the consistent efforts of both students and faculty in preparing for evolving career opportunities.

ACADEMIC EXCELLENCE: FACULTY ACHIEVEMENTS

RESEARCH PAPERS PUBLISHED

Dr. Shobhit Kisan Khandare, “*Conception and Fabrication of a New Steerable Microstrip Antenna for ISM Band Applications*”, Progress In Electromagnetics Research Letters, Vol. 126, 31-36, **May, 2025**.

Mrs. Manisha Joshi, “*Fractional-order Artificial Neural Network Models for Linear Systems*”, International Journal of Dynamics and Control, 13, 118, **March, 2025**.

Dr. (Mrs.) Rasika Naik, “*Online Simulation of Oscillators: A New Approach to Analog Electronics Education*”, Online Laboratories in Engineering and Technology Education. Lecture Notes in Networks and Systems, vol 1135. Springer, Cham, **January, 2025**.

Dr. Shobhit Kisan Khandare, “*Conception and Realization of a Wideband Directional Dual-Beam Phased MIMO Array Antenna with Hybrid Coupler for ISM Band Utilizations*”, Progress In Electromagnetics Research M, Vol. 132, 39-48, **January, 2025**.

Mrs. Manisha Joshi, “*Analysis of a Solar Photovoltaic System Using Fractional-Order Neural Network*”, International Conference on Intelligent Computing and Big Data Analytics. ICICBDA 2024. Communications in Computer and Information Science, vol 2235. Springer, Cham, **December, 2024**.

KNOWLEDGE IN ACTION

WORKSHOPS AND COURSES CONDUCTED BY FACULTY

Dr. (Mrs.) Ranjan Bala Jain served as the Coordinator of ATAL FDP on “**mmWave Technologies**” held from **13th to 18th January 2025**. Her leadership was instrumental in creating an enriching and seamless experience for all participants.

Dr. (Mrs.) Monali Chaudhary served as the Co-Coordinator of ATAL FDP on “**mmWave Technologies**” held from **13th to 18th January 2025**. Her efforts ensured the sessions were insightful, well-structured, and highly impactful.

WORKSHOPS AND COURSES ATTENDED BY FACULTY

Dr. (Mrs.) Ranjan Bala Jain attended

- Six day long workshop on “AI-Enhanced 6G: Pioneering the Next Generation of Wireless Innovation” organized by Bannari Amman Institute of Technology from 17th to 25th February 2025.
- Five day workshop on “AI Tools” organized by Brainovision Solutions India Pvt Ltd in collaboration with AICTE from 17th to 21st February 2025.
- Six day long workshop on “Recent Advancements and Challenges in Integration of IoT and 5G/6G Wireless Communication: Building the Next Gen Connectivity” organized by Kongunadu College of Engineering and Technology from 3rd to 8th February 2025.
- Six day long workshop on “Cyber Security” organized by SIES Graduate School of Technology from 6th to 11th January 2025.
- Six day workshop on “AI-Driven Pedagogy: Enhancing Teaching and Learning Experiences” organized by Chanderprahu Jain College of Higher studies from 2nd to 7th December 2025.



Certificates of Participation

Mr. Gaurav Tawde attended

- Five day workshop on “AI Tools” organized by Brainovision Solutions India Pvt Ltd in collaboration with AICTE from 17th to 21st February 2025.
- Six day long workshop on “AI-Enhanced 6G: Pioneering the Next Generation of Wireless Innovation” organized by Bannari Amman Institute of Technology from 10th to 15th February 2025.
- Six day long workshop on “Recent Advancements and Challenges in Integration of IoT and 5G/6G Wireless Communication: Building the Next Gen Connectivity” organized by Kongunadu College of Engineering and Technology from 3rd to 8th February 2025.



Certificates for Participation

Dr. (Mrs.) Ashwini Sawant, Dr. (Mrs.) Nandini Ammanagi, Dr. (Mrs.) Rasika Naik, Dr (Mrs.) Saylee Ghagre, Mrs. Arti Sawant, Mr. Gaurav Tawde, Dr. Shobhit Khandare, Mr. Chintan Jethwa, Mrs. Manisha Joshi, Mrs. Mugdha Jogalekar and Mrs. Jyoti Bagate attended a six day long workshop on “mmWave Technologies” organized by Vivekanand Education Society's Institute of Technology from 13th to 18th January 2025.



Certificates of Participation

Mrs. Jyoti Bagate attended a week long workshop on “ISTE Approved Short-Term Training Program on VLSI AND SEMICONDUCTORS” organized by Fr. C. Rodrigues Institute of Technology, Vashi from 9th to 13th December 2024.



Certificate of Participation

Mrs. Manisha Joshi attended a six day long workshop on “Quantum Computing and its Applications” organized by Global Academy of Technology from 9th to 14th December 2024.



Certificate of Participation

SKILL BOOSTERS : SKILL ENHANCEMENT LECTURES

The Skill Enhancement Lectures emerged as a transformative platform aimed at sharpening students' professional insight and practical dexterity. Designed with a forward-looking vision, the initiative aligned with emerging industry trends and featured experts who delivered rich domain insights.

Demonstration of tools used for Digital Forensics

Aiming to cultivate foundational expertise in cybersecurity, a focused workshop on Digital Forensics and Web Security was held on **14th February 2025**, led by **Ms. Ahona Chattopadhyay**, Security Engineer-II at Intertek Acumen Security. The session was attended by 53 third-year students from various departments enrolled in the Cybersecurity Minor. The two hour session delved into threat modelling, web application vulnerabilities, packet analysis, and real time intrusion scenarios. Participants engaged in practical exercises using tools like Burp Suite, OWASP ZAP, Nmap, and Metasploit, exploring exploit frameworks and penetration testing techniques. This immersive experience empowered students with the technical acumen and analytical mindset essential for navigating the ever-evolving landscape of cyber threats.



Ms. Ahona Chattopadhyay addressing the students



Students attending the Workshop

Demonstration of tools used for Ethical Hacking

In a dynamic stride toward cyber awareness, SEL was conducted on **13th February 2025**. The session was led by **Mr. Saheb Wadhava**, Security Engineer-II at Intertek Acumen Security. Over the course of two impactful hours, the session illuminated the hidden vulnerabilities in password systems and unveiled common cracking methods such as dictionary, mask, and brute-force attacks. Attended by 135 second-year students, the workshop featured interactive demonstrations and introduced modern safeguards like bcrypt and PBKDF2. With an emphasis on best practices such as multi-factor authentication and secure storage techniques, the workshop offered a transformative learning experience in the realm of digital security.



Mr. Saheb Wadhava addressing the students



Students attending the workshop

INTERACTION WITH OUTSIDE WORLD

Dr. (Mrs.) Monali Chaudhari served as reviewer for :

- “3rd International Conference on Advancement in Computation and Computer Technologies (InCACCT-2024)” at Chandigarh University on 17th and 18th April 2025.
- “3rd International Conference on Power Engineering and Intelligent Systems” at National Institute of Technology, Uttarakhand on 8th and 9th March 2025.
- “ICCCT 2025, 7th International conference on communication and computational Technologies” at National Forensics Sciences University Goa Campus, India and Florida International University, Miami, USA on 14th and 15th February 2025.
- “7th IEEE International Conference on Emerging Smart Computing and Informatics (IEEE ESCI-2025)” at AISSMS’s IOIT from 5th to 7th March 2025.



Certificates of Appreciation

Dr. (Mrs.) Rasika Naik served as a reviewer for “3rd International Conference on Advancement in Computation and Computer Technologies (InCACCT-2024)” at Chandigarh University on 17th and 18th April 2025.



Certificate of Appreciation

Mrs. Arti Sawant served as a reviewer for “3rd edition of International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD-2025)” organized by Atharva College of Engineering on 21st February 2025.



Certificate of Appreciation

Mrs. Manisha Joshi emerged as the distinguished winner of the prestigious “PhD Colloquium” event held on 15th February 2025 at VESIM Auditorium.



L-R Mrs. Manisha Joshi, Dr. (Mrs.) M. Vijayalakshmi



Certificate of Appreciation

Mr. Mrugendra Vasmatkar conducted a Training Program on “Design Thinking and Prototyping with FPGA” at M.H. Saboo Siddik College of Engineering on 5th February 2025.

Dr. (Mrs) Ranjan Bala Jain conducted a session in ATAL FDP on “mmWave Technologies” on 16th January 2025.

Vivekanand Education Society's Institute of Technology
(Affiliated to the University of Mumbai, Approved by AICTE and Recognized by the Govt. of Maharashtra.)

VESIT-RUBY JUBILEE CELEBRATION

Department of Electronics & Telecommunication Engineering
In Association with Internal Quality Assurance Cell (IQAC)
Organizing

AICTE Training and Learning (ATAL) Academy sponsored one- week Online Faculty Development Program on
mmWave Technologies

SESSION - 9

- ◆ TOPIC: mmWave Propagation and Channel Modeling
- ◆ TIME: 6:00PM TO 7:30PM
- ◆ DATE: January 17, 2025

Speaker
Dr. (Mrs.) Ranjan Bala Jain
(Professor)
Department of EXTC, VESIT, Mumbai

Poster of Session-9

TRIUMPHS IN PROJECT COMPETITIONS

Project competitions serve as an excellent opportunity for students to transform theoretical learning into practical application. These events not only encourage innovative thinking and collaborative teamwork but also help sharpen critical problem-solving abilities. By presenting their ideas in a competitive setting, students gain confidence, improve their communication skills, and build a foundation for tackling real world challenges in their future careers.

VES HACK IT

Our students **Jatin Vaity** and **Sankalp Shrivastava** have been consistent in representing the college with a high degree of professionalism and competence, the team participated in the VES-HACK-IT hackathon organized by **Vivekanand Education Society's Institute of Technology (VESIT)** on **15th and 16th February 2025**. Here, their project titled AI-Based Fall Detection System sought to address critical issues in elderly healthcare and patient safety.

Leveraging machine learning algorithms and real-time sensor data, the system was capable of accurately detecting accidental falls and issuing immediate alerts. Under the mentorship of **Mrs. Anuradha Jadiya** and **Mrs. Himali Patel** the project demonstrated a fine balance of algorithmic robustness and practical usability, resulting in the team being awarded the 1st Prize in this nationally recognized competition.



Certificates of Jatin Vaity and Sankalp Shrivastava



Jatin Vaity and Sankalp Shrivastava receiving certificates

Hack To Crack

ISmartCare, an integrated healthcare assistant platform developed by our students **The Hack To Crack**, secured 1st Prize for the second consecutive year at the national 36-hour hackathon held on **20th and 21st March 2025** by **Vishwaniketan's Institute of Management Entrepreneurship and Engineering Technology (ViMEET)**. Guided by **Mrs. Anuradha Jadiya** and **Mrs. Himali Patel** the team showcased exceptional technical skill and strategic thinking in building a solution that combined patient monitoring, appointment tracking, and AI-powered health insights.



L-R Certificates of Sankalp Shrivastava and Jatin Vaity



Sankalp Shrivastava and Jatin Vaity at hack to crack 2.0

Knowcode 2.0

Jatin Vaity and Sankalp Shrivastava, students from our department clinched the 2nd Runner-Up position at the KnowCode 2.0 Hackathon 2025, a national-level event held from 24th to 26th January at K. J. Somaiya Institute of Technology, Sion, Mumbai. The hackathon was organized by the KJSIT-S4DS students and was a 36-hour coding marathon focused on sustainable technological solutions. Their project, Smart Wheelchair, developed under the guidance of Mrs. Himali Patel and Mrs. Anuradha Jadiya, aimed to enhance mobility for individuals with disabilities by integrating innovative technologies.



Sankalp Shrivastava and Jatin Vaity at knowcode 2.0

Raahmitra – A Smart Helmet for Enhanced Rider Safety

The Smart India Hackathon, held from 11th to 15th December at Bhilai Institute of Technology, Durg, featured the innovative project Raahmitra in which team Signal Jammers, of our department participated and collaboratively worked to enhance two-wheeler safety, under the mentorship of **Dr. Ranjan Bala Jain** and **Mr. Siddhesh Shirshivka**. The helmet was equipped with IoT-based sensors, GPS, and GSM modules. Raahmitra detects accidents and sends real time alerts to hospitals and emergency contacts. The system uses accelerometers, gyroscopes, and impact sensors for precise crash detection. A responsive UI and emergency contact management enhance usability.



Raahmitra Helmet



L-R Karan Shah, Farhan Khan, Tejas Chorge, Dr. Ranjan Bala Jain, Yash Bamne, Aditi Boob and Unnati Ayalwar

VAYU – A Drone-Based AQI Monitoring System

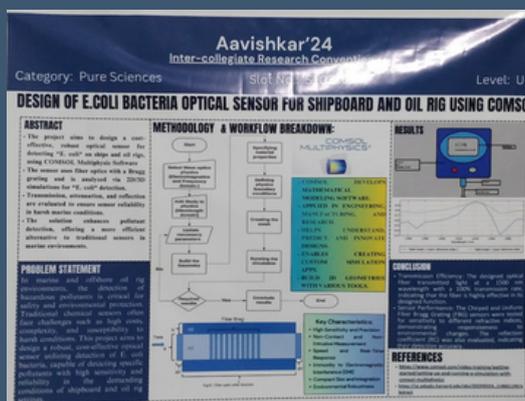
The national level Smart India Hackathon, held on 11th and 12th December at Rungta College of Engineering and Technology, Bilhail., Team Hardware Express guided by mentors Dr. Chandan Singh Rawat, Mr. Alrich Dsouza, and Mr. Mrugendra Vasmatkar participated in the national Smart India Hackathon held at Rungta College of Engineering and Technology, Bilhail. Their project, VAYU, is an IoT based air quality monitoring system that leverages sensor-equipped drones, cloud analytics, and AI/ML models to provide real-time environmental data. The drone uses Raspberry-PI and GSM modules for seamless data transmission. VAYU offers a scalable and cost-effective solution for urban pollution monitoring.



L-R Arpita Yaligeti, Shivam Sharma, Rutuj Rotkar, Mr. Alrich Dsouza, Shlok Shetty, Atharva Dharmadhikari, Pranay Wani and Dr. Chandan Singh Rawat

Aavishkar'24 Inter-collegiate Research Convention

Siddhesh Shirshivkar, Rahul Lad, Sharvari Patwardhan, Mukarram Mapari alongside their mentor, Mrs. Manisha Chattopadhyay participated under the Pure Sciences category with their innovative project titled "Design of E. coli Bacteria Optical Sensor for Shipboard and Oil Rig Using COMSOL". The Competition was held on 15th December 2025 at Lokmanya Tilak College of Engineering, Navi Mumbai. This novel solution enhances pollutant detection in offshore environments by offering a reliable, efficient alternative to traditional sensors, with simulations validating its high transmission efficiency and responsiveness.



E. coli Detection Project



Certificate of Participation

Dipex

Team Technophile, comprising **Jatin Vaity, Chirag Naskar, Piyush Tambe,** and **Parul Pritamwani,** under the mentorship of Mrs. **Anuradha Jadiya,** proudly emerged as finalists at DIPEX 2025, held on **5th March 2025** at Bharati Vidyapeeth College of Engineering, Navi Mumbai. Their project Smart Umbrella Stand, an automated system designed to dry umbrellas using sensors, high-speed fans and heating elements while also providing real-time weather notifications.



L-R Piyush Tambe, Chirag Naskar, Parul Pritamwani, Jatin Vaity

At DIPEX 2025, held on **5th March 2025** at Bharati Vidyapeeth College of Engineering, Navi Mumbai, Team Hardware Express comprising **Arpita Yaligeti, Shivam Sharma, Rutuj Rotkar, Shlok Shetty,** and **Pranay Wani** participated under the mentorship of Mr. **Mrugendra Vasmatkar.** Their innovative project, VAYU, is an IoT-based air quality monitoring system that integrates sensor-equipped drones with Raspberry Pi and GSM modules for seamless real-time data transmission. Leveraging cloud analytics and AI/ML models, VAYU offers a smart, scalable, and cost-effective solution for monitoring and addressing urban air pollution.



L-R Shlok Shetty, Shivam Sharma, Arpita Yaligeti, Pranay Wani, Rutuj Rotkar

Cosmic Fest 25'

The event organized by **The Sky Explorer,** an ISRO-certified space education platform, featured an intensive workshop and competition on satellite station design. Enthusiastic participation was seen from EXTC students, who engaged in an immersive learning experience covering Design Thinking, Space Station Construction Part I & II, and in-depth sessions on parameters such as model dimensions, budget constraints, and approved materials. As part of this space-tech fest, students also visited the Godrej Aerospace Facility on **19th April 2025,** gaining valuable industry exposure. The culminating Satellite Station Design Competition was held on **25th April 2025** at the Nehru Science Centre, Mumbai.



L-R Dr. Saylee Garge, Siddhesh Shirkar, Farhan Khan, Soham Nirvekar, Jayashree Epili, Rahul Desai

STUDENT SCHOLARSHIPS

Vivekanand Jyoti Scholarship

Surel Sanap, a distinguished student from D14 has been honored with the **Vivekanand Jyoti Scholarship** for the academic year 2024-2025 amounting ₹21,500. This initiative underscores VESIT's dedication to fostering academic excellence and providing opportunities for students to thrive despite financial challenges.

Student Aid Scholarship

Rohit Kumar Singh, Siddhesh Hanmant Ranaware, Sumit Pawar, Prasad Gourshettiwar, Kalpesh Kisan Naik, Shreya Ravindra Korgaonkar, Hariom Dhage, Siddhesh Deepak Shirshivkar have been honored with the **Student Aid Scholarship** for the academic year 2024-2025. This merit-cum-need-based award, amounting to ₹15,000, is conferred annually which ensures that financial limitations do not impede the pursuit of scholarly excellence.

INDUSTRIAL VISIT

On **21st March 2025**, the Electronics and Telecommunication Department organized an industrial visit to the **Tarapur Atomic Power Station (TAPS)** for students of Semester IV who were a cohort of 44 students accompanied by 3 faculty members. This full-day trip aimed to connect classroom learning with real-world industry practices, particularly in nuclear engineering. During the visit, the students attended an informative lecture on the station's operations, covering topics like fuel preparation, fission, heat transfer, turbine operations, and safety protocols. The tour offered students a firsthand experience of reactor technologies, control systems, and the international safety standards upheld at TAPS, deepening their understanding and appreciation of sustainable energy solutions.



VESIT Students at TAPS: Exploring the Heart of Nuclear Innovation

CISCO NETWORKING & MATLAB SIMULINK CERTIFICATION PROGRAMS

Networking Basics

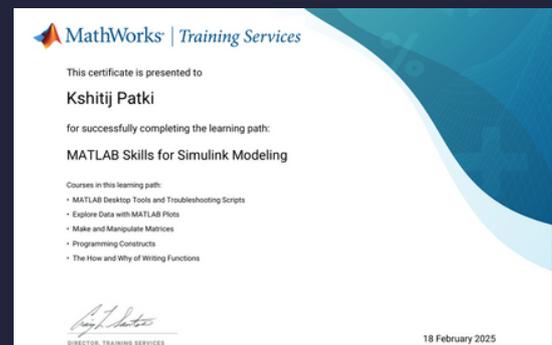
All third-year students of our department successfully completed the prestigious "Networking Basics" course offered by the Cisco Networking Academy, an internationally acclaimed program in the field of information technology and networking. This academic milestone not only fortified their foundational understanding of networking concepts but also marked their readiness to engage with real-world digital infrastructure.



Sample certificate of student

MATLAB Skills for Simulink Modeling

The "MATLAB Skills for Simulink Modeling" learning path is a comprehensive and intellectually rigorous program designed by MathWorks. Through this endeavor, our department's Third year students got the opportunity to learn which uses data exploration through MATLAB plots, matrix manipulation, scripting, and function design, each fostering analytical precision and computational fluency.



Sample certificate of student

RESEARCH PAPERS PUBLISHED

Mrs. Manisha Joshi, Yash Chavan, Atharva Kale, Atharva Joshi and Diti Patil, "*SmileScan - Predictive Dental Detection*", Intelligent Computing and Big Data Analytics. ICICBDA 2024. Communications in Computer and Information Science, vol 2234. Springer, Cham, December 2024.

Mrs. Jyoti Bagate, Aditya Naresh, Vandesh Sawant, Aditya Sharma and Mitlesh Shinde, "*PerfectStitchAI: Automated Fabric Inspection*", Intelligent Computing and Big Data Analytics. ICICBDA 2024. Communications in Computer and Information Science, vol 2235. Springer, Cham, December 2024.

INTERNSHIPS

Students' unwavering commitment to fostering holistic academic and professional development, led them to actively pursue industrial internships. These internships served as pivotal platforms for applied learning, not only honing critical thinking and adaptability but also cultivating specialized expertise within the domain.

The subsequent section highlights the exemplary students of EXTC-VESIT who were selected for internships.

SR NO	ATTENDED BY	COMPANY NAME	DATE FROM	TILL DATE	DURATION
1	Akash Dongare	BSNL	16 th December 2024	27 th December 2024	2 Weeks
	Meghna John				
	Mrudula Varkhale				
	Shantaram Chari				
	Dnyanesh Avhad				
	Samruddhi Diwane				
	Tejas Naringrekar				
	Srusti Sawant				
	Vaishnavi Chaudhari				
	Isha Morye				
2	Atharva Rangade	Bhabha Atomic Research Centre (BARC)	26 th November 2024	12 th December 2024	2 Weeks
	Surel Sanap				
	Rahul Desai				
3	Kaushal Tuntune	Rashtriya Chemicals And Fertilizers Limited	1 st December 2024	31 st December 2025	1 Month
4	Vaishnavi Chaudhari	Pantech E Learning	15 th December 2024	14 th January 2025	1 Month
5	Aditya Rajam	Birbal Infinite Solutions	17 th December 2024	19 th January 2025	1 Month
6	Shravani Kale	Lrde, DRDO	1 st December 2024	31 st January 2025	2 Months
7	Hariom Dhage	Scale AI	October 2024	Till Date	On-Going

WORKSHOP ATTENDED BY STUDENTS

Our institution recently facilitated a series of workshops aimed at fostering holistic development among the students. These workshops, meticulously curated to address diverse facets of personal and professional growth, provided participants with invaluable insights and practical skills. As the saying goes, "knowledge is power," and through these sessions, attendees were empowered to broaden their horizons and enhance their competencies.

SR NO	WORKSHOP NAME	ORGANISER	DAY S	DATE	NO OF STUDENTS
1	Build.Scale.Flutter	IEEE - VESIT	2	16 th & 17 th December 2025	6
2	Hangout.Js - Web Dev Workshop With 3JS	ISTE - VESIT	3	17 th - 19 th December 2025	4
3	Blockchain-101 - Workshop On Blockchain	ISTE - VESIT	2	9 th - 10 th January 2025	2
4	Machine Minds MI Workshop	IEEE - VESIT	2	28 th & 29 th January 2025	3
5	Financially Aware & Empowered India	IEEE - VESIT	1	22 nd February 2025	10
6	PCB Designing	ISA VESIT	2	6 th - 7 th March 2025	18

EXTRA CURRICULAR ACTIVITIES

Students from the EXTC Department have consistently demonstrated outstanding performance across various intra and inter collegiate tournaments, reflecting their dedication, perseverance, and competitive spirit. Representing VESIT with pride, they turned challenges into achievements through sheer commitment and skill.

VESIT Premier League

On 1st February 2025, the VESIT Premier League showcased eight teams competing in a knockout format. Vashi Royals clinched the championship, with five standout players from the EXTC department, **Rahul Vidwans, Ayush Singh, Ansh Upadhyay, Keshav Jha, and Pavan Shinde** playing key roles in their triumph. The team's strong coordination and consistent performance drove their dominance. A special mention goes to Ansh Upadhyay, the tournament's second highest run scorer, known for his steady and impactful batting.



L-R Rahul Vidwans, Keshav Jha, Ansh Upadhyay and Pavan Shinde

Winners at Inter VES

It is with immense pride that we congratulate our talented student **Nidhi Vilas Bamhane** of EXTC department for emerging **champion in the Badminton Singles category** at the Inter-VES Tournament. Displaying finesse, agility, and mental fortitude, the victory was a masterclass in precision and perseverance. “The harder the battle, the sweeter the victory” and this triumph exemplifies that very spirit. This achievement is not just a testament to skill, but to relentless dedication and sportsmanship.



Nidhi Bamhane

Kabaddi

Heartfelt congratulations to our dynamic **Kabaddi team** from the EXTC department who clinched victory in the **Inter-VES Tournament** with remarkable strength, strategic brilliance, and unwavering teamwork, they dominated the field and secured a well-deserved win. Their performance was a true display of grit, coordination, and determination, a powerful reminder that “Champions are made from something deep inside a desire, a dream, a vision.” This remarkable achievement reflects not only athletic excellence but also an unyielding spirit and commitment to the sport.



L-R Manthan Meher, Jayneel Patil, Swaroop Patil, Deepak Kokare, Anand Mishra, Aayush Rajbhar, Deepanshu Shukla, Suyog Bharsakle

Illusion' 25

The much anticipated **Illusion** event which unfolded from 13th to 15th January 2025 as a vibrant confluence of creativity, intellect, and talent, where six dynamic student teams vied for supremacy across diverse portfolios like **Drama, Dance, Aesthetics, Sports, Music, Literature, and Visual Arts**. Each team showcased remarkable synergy and amid fierce yet friendly rivalry, the event showcased to be a spectacle of passion, perseverance, and artistic brilliance.

The Intruders, led with vision by **Utsav Mutadak** of the **EXTC department (BE)**, whose leadership was instrumental in securing the **winners** position. The team excelled across portfolios, most notably in **Drama**, where **Aniket Ratha** of **EXTC (BE)** led the team to a sweeping victory in **Monoact, Group Drama, and the Drama Faceoff**, showcasing theatrical finesse. Equally commendable was the **Visual Arts** team, guided by **Rishi Gupta** **EXTC (TE)**, whose creative direction earned them the top spot in the **Aftermovie** category. The team's success echoes the adage, "Talent wins games, but teamwork and intelligence win championships."



**Group Drama
(Aniket Ratha)**



**Aniket Ratha in
drama faceoff**



**Utsav Mutadak –
Intruders Leader**



**Rishi Gupta- Visual
Arts Main Captain**

UTSAV' 25

D14's Stellar Group Dance Act

Students from D14, including **Amit Waghmare, Aditi Mhetar, Gautam Singh, Dhvani Ghodeswar, Dhruva Acharya, Supriya Kharade, Atharva Sarang, Mital Gotmare, Khayati Joshi, Anish Padhye, Aaryaa Pandit, and Rishi Gupta** stole the spotlight at Utsav on 5th April with their seamless coordination and vibrant expressions.



D14 Students performing

D19 Steals the Spotlight in Utsav Group Dance

Final Year, D19 students including **Komal Tilokani, Pranav Jha, Tanmay Bagal, Tejas Sharma, Nihit Mistry, Riddhi Solanke, Adheeti Dalal, Abhinav Gupta, Tanmai Chundurur, Neerav Sonaje, Rajdeep Khaire, Unnati Ayalwar, Vedant Bhattad, Anshkumar Agrahari, Rujuta Bhor, Sudhanshu Karyakarte, Aditi Boob, Ashish Nair, and Aatish Salian** showcased their impressive group dance skills on 5th April, captivating the audience with synchronized movements and vibrant energy.



D19 Students performing

REFLECTIONS

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