

VESIT



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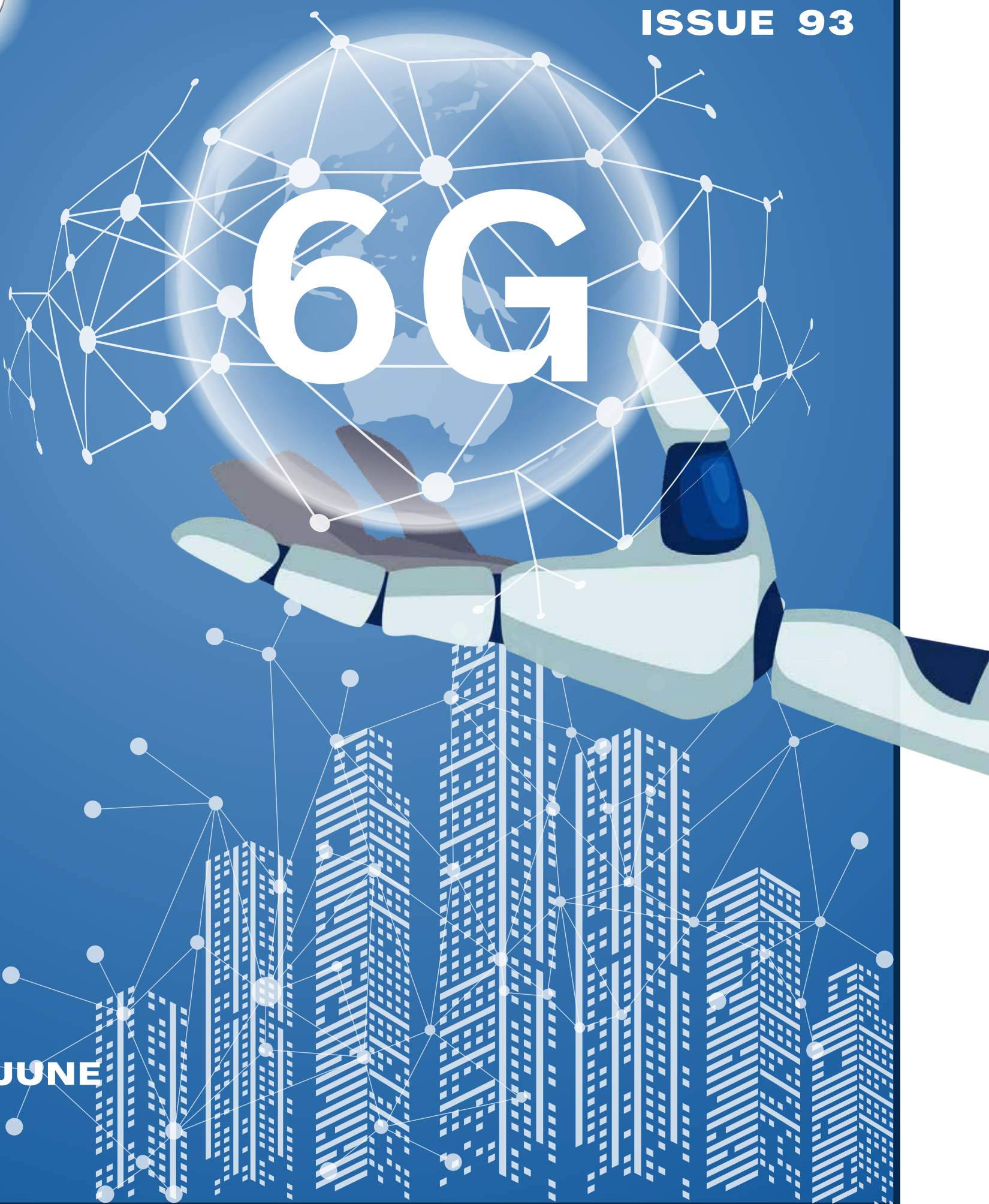
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ENVISIONING 6G: AI AT THE CORE OF NEXT-GEN NETWORKS

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THEME

The rapid evolution of wireless communication technologies (1G to 5G), has brought transformative changes in how we connect, communicate, and interact with technology. As the demands for connectivity, speed, and automation continue to grow, it is clear that 5G will not be sufficient to meet the needs of future applications. This is where 6G comes in - a vision for the next generation of wireless networks that will not only enhance current capabilities but also introduce entirely new paradigms of connectivity through the integration of Artificial Intelligence and Machine Learning.

The theme "Envisioning 6G: AI at the Core of Next-Gen Networks" depicts AI will be the key enabler of intelligence and adaptability as these networks tend to evolve from static systems to dynamic, self-learning entities. The integration of AI and ML is essential for managing the complexity and demands of next-gen networks. One of the most exciting promises of 6G is the creation of autonomous networks. In contrast to today's networks, which require significant human intervention for configuration and management, 6G networks will rely on AI algorithms to optimize network performance autonomously. Machine learning techniques will allow 6G networks to continuously learn from real-time data, improving the overall quality of service and ensuring that resources are allocated efficiently.

The Bharat 6G Alliance launched by the Department of Telecommunications marks a significant milestone in India's journey toward becoming a global leader in 6G technology. This platform brings together a diverse set of stakeholders, including academia, industry, government, and civil society, to collaborate and foster innovation in the development and deployment of 6G technologies. One of the key goals of B6GA is to facilitate market access for Indian telecommunication technology products and services, enabling the country to emerge as a global leader in 6G technology.

While the potential of 6G is enormous, there are significant challenges to overcome. First, the integration of AI into the network infrastructure will require a robust and flexible architecture that can support real-time decision-making and large-scale data processing. Another challenge lies in the energy efficiency of 6G networks, the energy consumption of these networks could become a concern. It will be crucial to develop sustainable AI solutions that can reduce the carbon footprint of 6G infrastructure while maintaining performance.

As we move toward 6G, engineers will play a pivotal role in shaping the future of telecommunications, engineers from various disciplines will be at the forefront of this transformation, contributing to every aspect of 6G development, deployment, and maintenance. Whether for academic exploration, professional growth, or simply staying ahead of the curve, this theme offers a chance to be part of the technological revolution that will define the next decade.



Srushti Chopade
Deputy Student Chief Editor

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EDITORIAL



Prachit Paralikar
Student Chief Editor

This is one of the most special years for the VESIT, as this year marks the Ruby Jubilee of VESIT. I am truly honored and delighted to serve as the Student Chief Editor of VESITConnect during this milestone year.

On 15th July 2024, we started a new academic year, marking the selection of a new student’s council. The Student Council is an important body which represents students and addresses their concerns and queries to authorities at the University. As an autonomous institution under the University of Mumbai, VESIT always feels the palpable fervour of elections. An interesting observation often arises in conversations during this election fever in college: why don't the student elections at Mumbai University receive the same media attention as those of Delhi University?

The answer lies in the very structure of how student representation is conceived and carried out in these two major educational hubs of India. The Delhi University follows a Direct election system, as against what is practiced in Mumbai University. The students run public campaigns, organize debates and directly vote for their representatives in DU. Due to the direct participation of political parties, DU elections frequently resemble a miniature version of national politics. The DU elections are characterized by intense drama, strong ideologies,

and regrettably, occasional instances of violence and hooliganism.

On the other hand, in MU the student representatives are elected at the class level and these elected officials then form higher-level councils. Although the procedure is more subdued and gets less media coverage, it accomplishes a distinct, possibly more scholarly goal: it enables student leaders to emerge free from the stress and mayhem of open political conflict.

Some may argue, the elections of MU are less democratic, they refrain students from gaining political literacy or lack to foster leadership qualities. But I'd say, students of Mumbai University are, in many ways, fortunate. As they are exempt from the cacophony, theatrical demonstrations, and ideological conflict that are usually seen in many direct elections. Above all, students are shielded from the trap of political sensationalism, which frequently sabotages the actual goal of higher education.

There are a lot of other ways to endorse students about democracy or to foster leadership qualities in them. The students at VESIT, get a feel of democracy and the elections by participating in class elections. Moreover, group projects, college fests, student clubs and committees help students to build leadership and problem solving skills. The

widespread social media has already gone to great lengths to imbibe political literacy among students. Hence, the direct elections are less rational for Universities.

College is a place to learn, grow, and discover—not to succumb to the illusion of power. It is a space for questioning, not conforming. If students become pawns in a wider political game, the emphasis shifts from education to lobbying, from concepts to ideologies, and from classrooms to campaign grounds. This would certainly be unhealthy for student personality development!

As we welcome the new student council, all the elected representatives should keep in their mind that they are not here to boost their power but to give back the VESITians the best they can within their domain.

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“The future of computing is about an ecosystem of AI-infused services and devices that anticipate our needs and free us to do more creative work.”

Satya Nadella

”

HIGHLIGHTS

On July 8, 2024, VESIT celebrated its 40th anniversary with Dr. Vinod Mohitkar highlighting VESIT's leadership in technical education. Managing Trustee Shri Baldev Boolani credited success to the Vivekanand Education Society's dedication, while Dr. Prakash Lulla emphasized balancing education with well-being. The celebration featured the launch of "Reminisce," a special magazine documenting four decades of achievements.

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Team Starfish—Riddhi Jangale, Bhoomika Makhija, Isha Palkar, Aanchal Gupta, and Veda Patki (SE-CMPN)—secured a spot among the Top 25 teams at the WWT All India Women Hackathon 2024. The team created SafeSpace, a web application designed to help women facing domestic abuse, dowry harassment, and sexual harassment by providing resources and support.

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Aryan Manghi (BE-CMPN) won first place in the Data Hackathon by IESMCRC's Avenir Analytics Club, competing against over 150 teams nationwide. His winning project on "AI in Decision Making" predicted employee attrition using Power BI visualizations and machine learning models. The judges were impressed by the practical applicability and technical sophistication of his solution.

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The Computer Engineering Department organized an alumni engagement session featuring Mr. Neeraj Chachlani (2014 graduate), a Lead Data Scientist at Tech Mahindra. Held on August 29, 2024, the session "Bridging the Gap: From Classroom to Career in Machine Learning" attracted 213 attendees. Mr. Chachlani shared insights on ML fundamentals, adaptability, and real-world applications, followed by an interactive Q&A.

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Electronics & Telecommunication Department held a V-Reach'24 session on September 30, 2024, featuring alumna Ms. Priyanka Ahuja (2016 batch), founder of Birbal Infinite Solutions. She shared her entrepreneurial journey and highlighted industry trends like AI and data-driven strategies while emphasizing resilience and adaptability. The session was coordinated by Dr. Nandini Ammanagi and Dr. Shobhit Khandare.



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Speaker of the workshop - Mrs. Priyanka Ahuja (Batch of 2016, Department of Electronics and Telecommunications Engineering)

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Electronics & Telecommunication Department hosted a workshop led by Mr. Satyam Singh from the Department of Telecommunications. The session covered cyber security threats including phishing, ransomware, and identity theft, along with electromagnetic field safety. Mr. Singh addressed misconceptions about electronic device radiation and introduced government resources like the Sanchar Saathi portal and cybercrime.gov.in.

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From July 8-12, 2024, the Computer Engineering Department conducted an ISTE-approved on Full Stack Development as part of Ruby Jubilee celebrations. The five-day program covered HTML, CSS, JavaScript, React, Node.js, cloud applications, and UI/UX design. Industry experts from Fortunes Technologies led sessions, with Dr. Nupur Giri and Dr. Gresha Bhatia presiding over inaugural and valedictory ceremonies.

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Students Neelkanth Khithani, Kushi Alve, Vedang Gambhire, Shivam Choubey, Atharva Hande, and Asmi Rajbhar (TE-CMPN) won 1st Runner-Up at HyperHack 2024 for their "Blockchain-based National Scholarship Portal." The solution uses Hyperledger Fabric to automate verification and expedite fund disbursement, reducing processing time from 2-3 months to 2 weeks. They credited mentor Mrs. Lifna C.S. for their success

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The NSS unit of VESIT, under the guidance of Program Officers **Dr. Pooja Kundu** (Assistant Professor, Department of Humanities and Applied Science) and **Dr. Sushil Dhuldhara** (Assistant Professor, Department of Humanities and Applied Science) in collaboration with the Chembur Police Station, organized an impactful event titled "Sankalp Nashamukt Bharat" under the Nasha Mukta Bharat Abhiyan.

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Mr. Pradeep Tupe(Chief Guest, Chembur Police Station) leading the Program of Sankalp Nasha Mukta Bharat

NSS Volunteers taking pledge in the event titled "Sankalp Nashamukt Bharat" under the Nasha Mukta Bharat Abhiyan

ACHIEVEMENTS

Marking The 40-Year Milestone

~Chaitanya Moharil

On 8th July 2024, VESIT inaugurated its **Ruby Jubilee Year Celebrations**, marking a remarkable milestone in the institute's illustrious journey. The event featured **Dr. Vinod Mohitkar** (Director of Technical Education, Maharashtra State) as the chief guest, addressing an audience of students, faculty, and esteemed dignitaries.



Chief guest of the event Dr. Vinod Mohitkar (Director of Technical Education, Maharashtra State) addressing the crowd

Dr. Mohitkar highlighted the importance of the autonomy of technical education institutions and the favourable policies implemented by the Maharashtra State Government under the National Education Policy (NEP). Commending VESIT's achievements, he lauded its exceptional infrastructure and facilities and ability to secure funds for research from various government and semi-government organizations, expressing confidence in VESIT's ability to implement many successful initiatives in a short time. Concluding his speech, Dr. Mohitkar delivered an inspiring message: "Our aim is to make the education system of the country strong, if a country's education system is strong, it helps to make the nation strong".

Shri Baldev Boolani (Managing Trustee, VESIT) reflected on the institution's dedication to excellence. He emphasized that the selfless and skilled management of Vivekanand Education Society has played a pivotal role in positioning VESIT among the top institutions. Additionally, **Dr. Prakash Lulla** (Treasurer, Vivekanand Education Society) underscored the importance of balancing sound physical and mental health with a high-quality education to meet the demands of the

modern world.

VESITConnect Team presented the magazine - "**Reminisce**" to celebrate the milestone of 40 years of VESIT. The inaugural event set a celebratory tone for the Ruby Jubilee Year, highlighting VESIT's unwavering commitment to empowering students and fostering innovation. It served as a testament to the institution's journey of excellence and vision for a brighter future.



Launch of the special magazine Reminisce by esteemed dignitaries to commemorate 40 years of the college (L-R): Mr. A. Nagananda (Training and Placement Officer, VESIT), Dr. J. M. Nair (Principal, VESIT), Shri. B. L. Boolani (Member, VES), Dr. Prakash Lulla (Treasurer, VES), Shri. Rajesh Gehani (Secretary, VES),

Students Shine with ISA Scholarships

~Tejasvini Bachhav

VESIT students continue to excel on the global stage, with two of its bright minds being recognized by the **International Society of Automation (ISA)** for their outstanding potential in the field of automation.

In the **2023-2024** academic year, **Sanchit Mhadgut** (BE-INST) was awarded the esteemed Process Measurement and Control Division Scholarship, receiving **USD 1,000** to support his tuition and educational expenses. Following in his footsteps, **Atishkar Singh** (BE-INST) has been honored with the same prestigious scholarship for

the **2024-2025** academic year, this time amounting to **USD 2,000**.

ISA, known for empowering the global automation community through education, training, and the development of industry standards, acknowledged the exceptional contributions of both students. The society expressed pride in supporting their educational endeavors and encouraged them to remain active in the automation community by joining the ISA Young Professionals network or local sections.



(L-R) : Students recieved the Scholarship from ISA, Sanchit Mhadgut (BE - AURO) and Atishkar Singh (BE - AURO).

Tech Meets Taste

~Saniya Kadam

The **All India Women's Hackathon, Chhalaang 3.0**, held on 21st September 2024, marked a significant achievement for the **team BirdiePod** consisting of **Aarya Lotke** (BE-CMPN), **Aayushi Salunkhe** (BE-CMPN), **Madhura Mhatre** (BE-CMPN), **Yashvi Dhar** (BE-CMPN) (**Team: BirdiePod, 2024 Batch**) secured the **1st prize** at the **All India Women's Hackathon, Chhalaang 3.0**. After a commendable **2nd place finish in Chhalaang 1.0 in 2022**, the team came back stronger and more determined. This time, they faced a challenge from Licious to create an **AI-driven non-vegetarian recipe generator**, and their project, **De'Licious**, surpassed all expectations, offering a personalized, user-friendly, and innovative experience for food lovers.

The hackathon provided an excellent platform for the team to bring their vision to life, resulting in the creation of **De'Licious**, an AI-powered app designed to simplify meal planning for non-vegetarian cooking. The app allows users to input their available ingredients or simply share their preferences, and it generates tailored recipes.

The app's features include a cost breakdown, spice tolerance considerations, and AI-generated video tutorials to help guide users through the cooking process.

Among the many remarkable features of De'Licious is its multilingual support, offering both English and Hindi, which makes it accessible to a broader audience. Users can generate recipes based on their available ingredients, preferred meats, dietary preferences, and spice tolerance. Furthermore, the app's AI-generated video tutorials provide clear, step-by-step instructions, making it ideal for both novice cooks and experienced chefs. Another key feature is the social sharing capability, which allows users to share their recipes on social media, fostering creativity and building a community of culinary enthusiasts.

The journey to this remarkable victory was not without challenges. The team faced numerous hurdles along the way, including late-night coding sessions and the need to solve technical issues on the spot. Despite these challenges, their determination, teamwork, and commitment to solving real-world

problems using innovative technology kept them focused and driven. In the end, their efforts were rewarded with **Rs. 3,00,000** in cash, fantastic goodies, and the satisfaction of seeing their hard work recognized.



(L-R): Aarya Lotke (BE-CMPN), Aayushi Salunkhe (BE-CMPN), Madhura Mhatre (BE-CMPN), Yashvi Dhar (BE-CMPN) (**Team: BirdiePod, 2024 Batch**) secured the **1st prize** at the **All India Women's Hackathon, Chhalaang 3.0**

Special thanks were given to MetaMorph, Licious, and the event sponsors Women in Tech India, Annalect India, and Deutsche Telekom Digital Labs for organizing the event. The team also expressed their gratitude to the industry experts

who provided invaluable guidance and support throughout the hackathon. In conclusion, the team's victory would not have been possible without the exceptional collaboration and hard work of Vishakha Kulkarni,

Aayushi Salunkhe, Madhura Mhatre, and Yashvi Dhar. Their success has only fueled their passion for future hackathons and innovations, with exciting possibilities on the horizon.

Team Starfish Wins WWT Hackathon 2024

~ Nikunja Sonawane

The WWT All India Women Hackathon 2024 witnessed a remarkable achievement by Team Starfish, a group of five exceptionally talented students from VESIT. The team, consisting of Riddhi Jangale (SE-CMPN), Bhoomika Makhija (SE-CMPN), Isha Palkar (SE-CMPN), Aanchal Gupta (SE-CMPN), and Veda Patki (SE-CMPN), emerged victorious, securing their place among the Top 25 shortlisted teams nationwide. This prestigious hackathon, designed to empower women in technology, presented participants with the challenge of addressing real-world problems through innovation and

ingenuity. Team Starfish took up this challenge head-on, creating SafeSpace, a transformative web application aimed at supporting women who face difficult and often dangerous situations, including domestic abuse, dowry harassment, and sexual harassment. SafeSpace is more than just a platform, it's a lifeline. It offers a secure and anonymous environment where women can access vital resources, connect with peers, and find support. By fostering an ecosystem of healing and empowerment, the application seeks to provide not just safety, but hope and growth.



(L-R): Bhoomika Makhija (SE-CMPN), Riddhi Jangale (SE-CMPN), Isha Palkar (SE-CMPN), Aanchal Gupta (SE-CMPN), and Veda Patki (SE-CMPN)

VESIT Shines at Data Hackathon

~Saniya Kadam

Aryan Manghi (BE-CMPN), a proud student of Vivekanand Education Society's Institute of Technology (VESIT), achieved a remarkable feat by winning first place in the Data Hackathon organized by the Avenir Analytics Club of IES's Management College and Research Centre (IESMCRC), Bandra, on September 14, 2024. Competing against over 150 teams, Aryan showcased exceptional analytical and technical skills to emerge as the winner. The competition consisted of two rounds. The first round involved an online dashboard submission, while the final round required participants to present a model in person to a panel of three judges. Aryan's project, themed "AI in Decision Making," aimed to analyze and

predict the reasons behind employee attrition, offering valuable insights to improve workforce management. Aryan's solution was divided into three components: a Power BI dashboard for data visualization, a Logistic Regression model to predict attrition, and a PowerPoint presentation to communicate the insights effectively. This comprehensive approach impressed the judges and demonstrated the practical application of data analytics and machine learning. His achievement highlights the strong foundation VESIT provides to its students, inspiring them to excel in data science and AI. Congratulations to Aryan on this well-deserved success!



Aryan Manghi (BE-CMPN) won first place in the Data Hackathon organized by the Avenir Analytics Club of IES's Management College and Research Centre (IESMCRC), Bandra

Blockchain Scholarship Solution

~Saniya Kadam

The HyperHack 2024, held by the LF Decentralized Trust India Chapter in collaboration with the LF Decentralized Trust, marked a significant achievement for Team BlockNSP, who secured the 1st Runner-Up position with their project titled "Blockchain-based National Scholarship Portal." The hackathon served as a perfect platform for the team Neelkanth Khithani (TE-CMPN), Kushl Alve (TE-CMPN), Vedang Gambhire (TE-CMPN), Shivam Choubey (TE-CMPN), Atharva Hande (TE-CMPN), and Asmi Rajbhar (TE-CMPN) to bring their innovative solution to life. Their project focused on using Blockchain technology to transform India's National Scholarship Portal into an automated, transparent, and efficient system, addressing the existing challenges such as manual processes, delays, and limited access to scholarships. Their solution integrates Hyperledger Fabric, offering enhanced verification, transparency, and secure fund allocation. Notable features include reducing verification and fund transfer times from 2-3 months to just 2 weeks, foolproof verification via third-party integration, and the ability to track

student progress throughout their studies. The system also ensures full tuition fee coverage for eligible students, making it a more efficient and reliable process for scholarship disbursement.



1st Runner Up Team of the Blockchain Scholarship (L-R): Neelkanth Khithani (TE-CMPN), Kushl Alve (TE-CMPN), Vedang Gambhire (TE-CMPN), Shivam Choubey (TE-CMPN), Atharva Hande (TE-CMPN) and Asmi Rajbhar (TE-CMPN)

The impact of this project is significant, considering that 135 Lakh applications were

received and approximately Rs. 1,825 Crores of funds were disbursed in the year 2022-23 alone through the National Scholarship Portal. By implementing Blockchain, this project promises to streamline the entire process, bringing greater transparency and security to the scholarship distribution system.



Mentor of the team - Mrs. Lifna C. S. (Assistant Professor, Department of Computer Engineering)

Special thanks were extended to their mentor, Mrs. Lifna C. S. (Assistant Professor, Department of Computer Engineering), for her invaluable support and guidance throughout the project. The team also expressed their gratitude to the LF Decentralized Trust for organizing the event and providing a platform to showcase their solution.

TECH COMPETITIONS

Unleashing Coding Talent With V-Code

~ Preetika Khilnaney

The Training and Placement Cell, in collaboration with VESIT-IQAC (Internal Quality Assurance Cell) and VESIT-IIC (Institution's Innovation Council), organized an exciting event titled "V-Code: Code, Compete, Conquer!" on 21st September 2024. This competition aimed to provide a platform for Pre-Final Year Students to test and enhance their coding skills, preparing them for future placement opportunities and interviews. The competition attracted significant participation, with 98 students registering for the event. It was conducted using HackerRank, which provided the participants with a real-time coding environment to solve problems based on DSA concepts.

To incentivize the participants and recognize their outstanding performances, the event offered attractive cash prizes for the top winners. Tarun Kumar Gatla (TE - CMPN) bagged the first prize and a sum of Rs 3000, while Chinmay Chaudhari (TE - INFT) and Varun

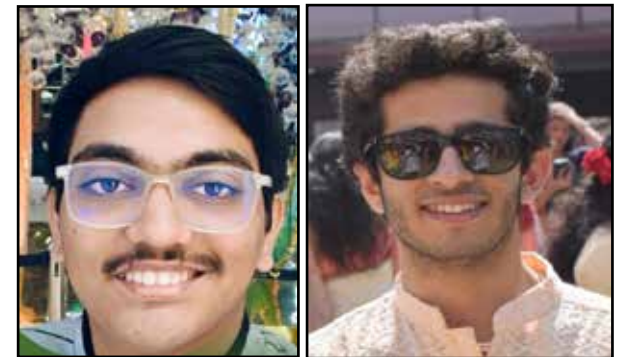
Bhudhani (TE - CMPN) secured the second and third positions with cash prizes of Rs 2000 and Rs 1000, respectively.



Mr. A Nagananda (Training and Placement Officer, VESIT) felicitating first prize winner Tarun Kumar Gatla (TE - CMPN)

By participating in the event, students were able to enhance their time-management skills, as

they were required to solve coding problems under time constraints, which mirror the real-life coding assessments they will encounter in interviews. Moreover, it was an excellent opportunity for students to develop their collaborative and problem-solving skills in an engaging and friendly atmosphere.



(L-R): First and Second runner-ups - Chinmay Chaudhari (TE-INFT), Varun Bhudhani (TE-CMPN)

Visual Contest

~ Shruti Thakare

The Department of Electronics and Computer Science Engineering organized a Poster presentation competition on 12th August, 2024 for all the students of Department of Electronics and Computer Science Engineering. The event was organized in association with VESIT Institution's Innovation council and VESIT Internal Quality Assurance Cell.

The competition involved enthusiastic student participants from all over the department who carried out intensive research on a vast variety of topics relating to science and technology. The total number of teams participating were 48, of which, 17 were from second year, 17 from third and 14 teams from fourth year. Each team was assigned a teacher mentor. The IIC coordinators Dr. Rajani Mangala (Professor, Department of Electronics and Computer Science Engineering) and Dr. Asawari Dudwadkar (Assistant Professor, Department of Electronics and Computer Science Engineering) oriented all students about poster contents, size, template, drafting pattern formats.

The judging panel for the competition comprised 13 esteemed professors known for their expertise and proficiency from various departments, including Department of Electronics and Telecommunication Engineering, Department of Automation and Robotics Engineering, Department of Computer Engineering, Department of Information Technology and Department of Artificial Intelligence and Data Science ensuring a diverse and well-rounded evaluation of the participants.

The judges engaged in an interactive Q&A session with the participants, thoroughly scrutinizing their presentations and reviewing their research papers. The 1st prize for TEs was shared by team of Rujul Salunkhe (TE-ETCS), Rohan Khamitkar (TE-ETCS), Atharva Phadtare (TE-ETCS), and Rohan Panjwani (TE-ETCS) and

team of Harsh Kapse (TE-ETCS), Suchait Joshi (TE-ETCS), Manasi Mohite (TE-ETCS), and Swed Lengre (TE-ETCS).



(L-R): Dr. Sarika Kuhikar (Assistant Professor, Department of Electronics and Computer Science Engineering) awarded 1st prize to Rujul Salunkhe (TE-ETCS), Rohan Khamitkar (TE-ETCS), Atharva Phadtare (TE-ETCS), and Rohan Panjwani (TE-ETCS)



(L-R): Dr. T. Rajani Mangala (Professor, Department of Electronics and Computer Science Engineering) awarded 1st prize to Harsh Kapse (TE-ETCS), Suchait Joshi (TE-ETCS), Manasi Mohite (TE-ETCS), and Swed Lengre (TE-ETCS)

The 2nd prize was awarded to team of Shreyas Das (TE-ETCS), Sahil Sawant (TE-ETCS), Kapil Dhavale (TE-ETCS) and Binayak Bhattacharjee (TE-ETCS). Winner of the 3rd prize for TEs were team of Sanchit Kulkarni (TE-ETCS)

Dhruv Kulkarni (TE-ETCS), Darshan Kakad (TE-ETCS), and Sumedh Chandra (TE-ETCS).



(L-R): Dr. Naveeta Kant (Deputy Head, Department of Electronics and Computer Science Engineering) awarding certificates to 3rd prize winner - Shreyas Das (TE-ETCS), Sahil Sawant (TE-ETCS), Kapil Dhavale (TE-ETCS) and Binayak Bhattacharjee (TE-ETCS)



(L-R): Dr. T. Rajani Mangala (Professor, Department of Electronics and Computer Science Engineering) awarding certificates to 3rd prize winner - Sanchit Kulkarni (TE-ETCS), Dhruv Kulkarni (TE-ETCS), Darshan Kakad (TE-ETCS) and Sumedh Chandra (TE-ETCS)

For SEs, winners were Sanskar Agarwal (SE-ETCS), Kamya Gupta (SE-ETCS), Phaneendra Venkat (SE-ETCS), and Aditi Jadhav (SE-ETCS). 2nd prize for SEs was clinched by team of Apoorva Ghyare (SE-ETCS), Akash Shukla (SE-ETCS), Kanishk Sharma (SE-ETCS), Sanika Taywade (SE-

ETCS) and by team of **Atharva Chawrekar** (SE-ETCS), **Parth Chavan** (SE-ETCS), **Yagnesh Jogi** (SE-ETCS), **Atharva Kulkarni** (SE-ETCS). Team of **Paraj Panjwani** (SE-ETCS), **Manaswa Mahalunge** (SE-ETCS), **Yash Mandhare** (SE-ETCS), **Lucky Lalwani** (SE-ETCS) and team of **Pranav Chandak** (SE-ETCS), **Mayuri Joshi** (SE-ETCS), **Vishakha Jangale** (SE-ETCS), and **Faizan Shah** (SE-ETCS) shared the 3rd prize among SEs.



(L-R): Dr. Naveeta Kant (Deputy Head, Department of Electronics and Computer Science Engineering) awarding certificates to 1st prize winner among SEs - **Sanskar Agarwal** (SE-ETCS), **Kamya Gupta** (SE-ETCS), **Phaneendra Venkat** (SE-ETCS), and **Aditi Jadhav** (SE-ETCS)



(L-R): Dr. Naveeta Kant (Deputy Head, Department of Electronics and Computer Science Engineering) and Dr. Paremeshwar Birajdar (Assistant Professor, Department of Electronics and Computer Science Engineering) awarding certificates to 2nd prize winner among SEs - **Apoorva Ghyare** (SE-ETCS), **Akash Shukla** (SE-ETCS), **Kanishk Sharma** (SE-ETCS), **Sanika Taywade** (SE-ETCS)



(L-R): Dr. Naveeta Kant (Deputy Head, Department of Electronics and Computer Science Engineering) awarding certificates to 2nd prize winner among SEs - **Atharva Chawrekar** (SE-ETCS), **Parth Chavan** (SE-ETCS), **Yagnesh Jogi** (SE-ETCS), **Atharva Kulkarni** (SE-ETCS)



(L-R): Dr. Naveeta Kant (Deputy Head, Department of Electronics and Computer Science Engineering) and Dr. Asawari Dudwadkar (Assistant Professor, Department of Electronics and Computer Science Engineering) awarding certificates to 3rd prize winner among SEs - **Paraj Panjwani** (SE-ETCS), **Manaswa Mahalunge** (SE-ETCS), **Yash Mandhare** (SE-ETCS), **Lucky Lalwani** (SE-ETCS)



(L-R): Dr. Naveeta Kant (Deputy Head, Department of Electronics and Computer Science Engineering) awarding certificates to 3rd prize winner among SEs - **Pranav Chandak** (SE-ETCS), **Mayuri Joshi** (SE-ETCS), **Vishakha Jangale** (SE-ETCS), and **Faizan Shah** (SE-ETCS)



(L-R): Dr. Rajani Mangala (Professor, Department of Electronics and Computer Science Engineering) awarding certificates to 1st prize winner among BEs - **Ajinkya Phadtare** (BE-ETRX), **Vedant Thakur** (BE-ETRX), **Sankarshan Jahagirdar** (BE-ETRX)

Among BEs, the winners were **Ajinkya Phadtare** (BE-ETRX), **Vedant Thakur** (BE-ETRX), **Sankarshan Jahagirdar** (BE-ETRX), and **Sumit Gharge** (BE-ETRX). The 2nd prize among BEs was shared among **Aditya Sawant** (BE-ETRX), **Vishnu Banala** (BE-ETRX), **Prajwal Mishra** (BE-ETRX), **Shardul Kadam** (BE-ETRX) and **Omkar Upadhye** (SE-ETCS), **Gaurang Rane** (SE-ETCS), **Aditya**

Srikonda (SE-ETCS) and **Shantanu Kolhe** (BE-ETRX). The 3rd prize among BEs was claimed by **Yash Kurade** (BE-ETRX), **Mayur Mistry** (BE-ETRX), **Jordan Jesudas** (BE-ETRX) and **Chaitanya Karande** (BE-ETRX).



(L-R): Dr. Rajani Mangala (Professor, Department of Electronics and Computer Science Engineering) awarding certificates to 2nd prize winner among BEs - **Aditya Sawant** (BE-ETRX), **Vishnu Banala** (BE-ETRX), **Prajwal Mishra** (BE-ETRX), **Shardul Kadam** (BE-ETRX)



(L-R): Dr. Rajani Mangala (Professor, Department of Electronics and Computer Science Engineering) awarding certificates to 3rd prize winner among BEs - **Yash Kurade** (BE-ETRX), **Mayur Mistry** (BE-ETRX), **Jordan Jesudas** (BE-ETRX) and **Chaitanya Karande** (BE-ETRX)



(L-R): IIC Coordinators - Dr. Rajani Mangala (Professor, Department of Electronics and Computer Science Engineering) and Dr. Asawari Dudwadkar (Assistant Professor, Department of Electronics and Computer Science Engineering)

The event provided a platform for knowledge exchange and intellectual growth. The interactive Q&A sessions with esteemed judges enriched the participants' learning experience. The competition highlighted the department's commitment to academic excellence and collaborative learning, inspiring students to pursue research-driven projects in the future.

Summer Sparks: Poster Presentation

~Harshita Sewani

As part of the Ruby Jubilee Celebration and under the guidance of VESIT-IQAC in association with VESIT-IIC, the Department of Computer Engineering organized "Summer Sparks: Innovation Through Projects". This exhibition was the culmination of the Summer Internship 2024, conducted from May 17 to July 15, 2024, for Computer Engineering students. The primary objective of the program was to enhance industry readiness by integrating theoretical knowledge with practical applications. A total of **98 students completed 25 innovative projects** under faculty guidance.

The event served as a platform for students to showcase their deliverables, demonstrating creativity, critical thinking, and technical expertise.

The event took place on August 6, 2024, for 10 hours, including **2 hours of exhibition and 8 hours of assessment**. Dr. Rohini Temkar (Assistant Professor, Department of Computer Engineering) coordinated the program, ensuring its smooth execution. The projects were evaluated by faculty members, with a focus on the application of design thinking and critical thinking principles. The event allowed students to explore career alternatives before graduation and gain hands-



Students presenting their projects to Mrs. Rohini Temkar (Assistant Professor, Department of Computer Engineering) and Mrs. Geocey Shejy (Assisant Professor, Department of Computer Engineering)

on experience in professional environments. The event highlighted the department's commitment to fostering innovation and adaptability among graduates. The projects showcased during the exhibition underscored the integration of theory and practice, encouraging participants to think beyond conventional boundaries. The event concluded successfully, reinforcing the importance of internships in preparing students for the challenges of the professional world. Social media promotions, along with a detailed video summary on YouTube, further amplified the event's reach and impact.


VESIT AI Showdown: Battle of Brains

~Tanisha Nanwani

The AI Showdown, organized by the CSI Council of VESIT, captivated the campus with excitement and competition on August 23rd, 2024. Drawing over 180 participants across 60 teams, the event transformed the Amphitheatre into a dynamic arena of technical prowess and collaborative spirit.


Kicking off at 2:30 PM, the event began with participants registering and receiving an overview of the challenges ahead. The atmosphere buzzed with anticipation as teams prepared for three engaging and interactive rounds designed to test problem-solving abilities, technical knowledge, and teamwork.

Round 1: Rapidfire Fun energized participants with a series of fast-paced games blending skill and fun. Activities like "NFS (Cards Edition)," "Flip It," "Swing It," and "Break the Wall" pushed teams to complete tasks swiftly. The top-performing teams advanced to the next stage, keeping the competition fierce and lively.



Round 1: Rapidfire Fun - Teams in Action

Round 2: BrainBlitz shifted focus to technical and logical challenges. 15 teams faced tasks involving anagram solving, logic circuit decoding, and binary-to-hexadecimal conversions. Each member took charge of specific challenges, with penalties adding pressure. The teams demonstrating the best efficiency and accuracy proceeded to the final round.



Round 2: BrainBlitz - Technical and Logical Challenges Unveiled

The excitement peaked in **Round 3: Escape the AI** – an immersive escape room experience. Teams tackled tasks like **Pattern Recognition**, **Find the Hidden Code**, and **Riddles**, piecing together parts of a URL that unlocked a final video. The first team to complete the sequence claimed victory.

Two standout teams led by **Yogesh Ghadge** (SE-AIDS), **Siddharth Dey** (SE-AIDS), **Jayaram Somasi** (SE-AIDS), and 1st runner-ups - **Pankaj Gupta** (SE-CMPN), **Rasika Gadre** (SE-CMPN), and **Ayush Attarde** (SE-CMPN) emerged victorious, showcasing remarkable skill and teamwork.

The AI Showdown was a resounding success, reflecting the CSI Council's dedication to fostering innovation and collaboration. By blending entertainment with educational challenges, the event celebrated VESIT's vibrant talent and strengthened the community spirit.



Winners of AI Showdown gettingtting Awarded by CSI Members (L-R): Yogesh Ghadge (SE-AIDS), Siddharth Dey (SE-AIDS), Jayaram Somasi (SE-AIDS)



1st Runner Ups of AI Showdown gettingtting Awarded by CSI Members (L-R): Pankaj Gupta (SE-CMPN), Rasika Gadre (SE-CMPN), and Ayush Attarde (SE-CMPN)

TECH UPSKILLING

Inspiring Alumni Career Talks

~ Nikunja Sonawane

As part of the V-REACH '24 initiative under the Internal Quality Assurance Cell (IQAC), the Computer Engineering Department at VESIT organized a dynamic alumni engagement session aimed at bridging the knowledge gap between academia and the evolving technology industry. The event sought to provide valuable insights into career pathways in technology and emerging fields through direct interaction with distinguished alumni.

On August 29, 2024, V-REACH hosted the first of its two sessions, "Bridging the Gap: From Classroom to Career in Machine Learning." The session was led by Mr. Neeraj Chachlani (Batch of 2014, Department of Computer Engineering), who currently serves as a Lead Data Scientist at Tech Mahindra and a Doctorate Researcher at SSBM.



Mr. Neeraj Chachlani (Batch of 2014, Department of Computer Engineering) who is a Lead Data Scientist, Tech Mahindra and Doctorate researcher, SSBM guiding intellectuals

With a decade of experience in Data Science and Machine Learning (ML), Mr. Chachlani provided in-depth insights into the rapidly evolving field of ML. The session focused on the importance of acquiring solid foundational skills in ML, the

practical applications of AI, and the necessity of adaptability in the face of fast-paced technological advancements. Through real-world examples and personal experiences, Mr. Chachlani highlighted key steps students should take to start a successful career in data science and machine learning.

With 213 attendees, the session provided valuable, helping them understand both the challenges and opportunities the field presents. Mr. Chachlani's talk not only offered technical insights but also inspired students to adopt a forward-thinking approach to their careers, positioning them for success in an ever-changing industry.

The session concluded with an interactive Q&A segment, where students had the chance to ask specific career-related questions, receiving expert advice directly from someone who has navigated the path they aspire to follow.

Entrepreneurial Insights from Alumni

~ Nikunja Sonawane

The V-Reach'24 event, held by the **Electronics and Telecommunication Department** of VESIT on **30th September 2024**, was an engaging alumni interaction session aimed at bridging the gap between students and experienced professionals from the industry. The highlight of the session was the talk delivered by **Ms. Priyanka Ahuja** (Batch of 2016, Department of Electronics and Telecommunication Department) who is **Entrepreneur and Digital marketing expert, Birbal Infinite Solutions**. This event, guided by the Internal Quality Assurance Cell (IQAC) and the Institution's Innovation Council (IIC), focused on providing students with insights into various career paths, including entrepreneurship and technological advancements. The workshop was coordinated by **Dr. Nandini Ammanagi** (Assistant professor, Department of Electronics and Telecommunication Engineering), and **Dr. Shobhit Khandare** (Assistant professor, Department of Electronics and Telecommunication Engineering).

Ms. Ahuja shared her personal journey from being a college student to establishing her digital marketing company, Birbal Infinite Solutions. She recounted her decision to forgo traditional college placements, choosing instead to follow her entrepreneurial aspirations. Despite facing initial challenges and uncertainty, her persistence, self-learning, and innovation enabled her to build a reputable firm in the competitive field of digital marketing.

During her talk, Priyanka covered emerging trends in digital marketing, such as artificial intelligence, influencer marketing, and the growing importance of video content. She emphasized the need for businesses to adapt to these changes and

leverage data-driven approaches, like focusing on key performance indicators (KPIs) such as conversion rates and social media engagement, to gauge campaign success. Her insights provided students with a practical understanding of how digital strategies can be optimized for better results.

The session concluded with an interactive



(L-R): Speaker of the workshop - Mrs. Priyanka Ahuja (Batch of 2016, Department of Electronics and Telecommunications Engineering) being felicitated by Dr. Nandini Ammanagi (Assistant professor, Department of Electronics and Telecommunication Engineering)

Q&A, where students inquired about the difficulties Priyanka faced while establishing her business. She advised aspiring entrepreneurs to stay resilient, learn from failures, and be open to continuous learning. Her inspirational story and practical advice left the audience with valuable lessons on the importance of determination, innovation, and adaptability in today's rapidly evolving digital landscape.



Ms. Priyanka Ahuja (Batch of 2016, Department of Electronics and Telecommunication Department) who is Entrepreneur and Digital marketing expert, Birbal Infinite Solutions motivating students



(L-R): Coordinator of the workshop - Dr. Nandini Ammanagi (Assistant professor, Department of Electronics and Telecommunication Engineering), and Dr. Shobhit Khandare (Assistant professor, Department of Electronics and Telecommunication Engineering)

Workshop and Internship in VLSI

~ Shruti Thakare

The Departments of **Electronics & Computer Science Engineering and Automation & Robotics Engineering** at collaboratively organized a workshop and internship programme under the prestigious Industry-Academia Collaborative Projects initiative from **14th May 2024 to 14th July 2024**. This program was conducted with the support of **M/s Panache Digilife Limited**, which received an estimated grant of **82.59 lakh** from the Ministry of Electronics and Information Technology.

The initiative aims to develop specialized manpower in the domain of VLSI and Embedded System Design by offering hands-on training using industry-standard EDA tools like Cadence. Faculty guidance was provided by **Dr. Jayamala Adsul** (Assistant Professor, Department of Electronics and Computer Science Engineering) and **Dr. Nilima Warke** (Associate Professor, Department of Automation & Robotics Engineering). Student leadership was represented by **Ashiqa Shivegaar** (BE-EXTC), contributing to the program's smooth

execution. A total of 11 students participated in the internship and workshop programme.



Student Coordinator: Ashiqa Shivegar (BE-EXTC)

It included key modules like Introduction to MOSFETs, Cadence EDA Tool Training, CMOS Inverter Design, Logic Gate Simulations, CMOS Layout Design, Analog Circuit Design and Sequential Circuit Design.

This workshop and internship programme provided participants with practical exposure and industry-relevant skills, bridging the gap between academic learning and industrial application.



(L-R): Dr. Jayamala Adsul (Assistant Professor, Department of Electronics and Computer Science Engineering), and Dr. Nilima Warke (Associate Professor, Department of Automation and Robotics Engineering)

AI Internship: Bridging Theory & Practice

~ Nikunja Sonawane

The Department of Artificial Intelligence and Data Science successfully conducted its Summer Internship program for the academic year 2023-24, offering students an opportunity to work on both industry and research-driven problem statements. The internship spanned from May 17th, 2024 to July 15th, 2024, during which students gained valuable experience by working on real-world challenges and advancing their knowledge in AI and data science. Coordinated by Dr. Anjali Yeole (Deputy Head, Department of AI and Data Science), the program attracted a total of 89 applicants, with 46 students successfully completing the internship across 12 different projects.

The projects covered a wide range of topics, showcasing the diversity and applicability of AI in various sectors. Among the projects guided by the faculty, some notable ones included "AI for Security," "Analysis of Fetal Ultrasound Images for Early Detection of Developmental Abnormalities," and "Digital Twin in Healthcare." These projects, led by mentors Dr. Anjali Yeole (Deputy Head, Department of AI and Data Science), Mrs. Himanshi J. (Assistant Professor, Department of AI and Data Science), Mrs. Sangeeta Oswal (Assistant Professor, Department of AI and

Data Science), Mr. Ajinkya Walajoo (Assistant Professor, Department of AI and Data Science) and Dr. Maya Bhat (Assistant Professor, Department of Humanities and Applied Sciences) offered students a deep dive into the role of AI in healthcare, security, and diagnostics, preparing them to tackle future challenges in these fields.

In addition to research-oriented projects, two of the projects were industry-based, providing students with direct exposure to industrial applications of AI and data science. These projects, "IoT and Web Development" and "RAG: Cerelabs," engaged a total of 9 students under the mentorship of Mr. Ajinkya W. and Dr. Anjali Yeole. The industry projects focused on real-time problem solving and integrating AI with IoT and business processes, giving students a practical edge in their learning experience.

The Summer Internship 2023-24 program was a resounding success, thanks to the dedication of the 5 mentors who guided students across 12 projects. With the blend of industry-focused and research-driven experiences, students gained critical insights into the world of AI and data science, laying a strong foundation for their future careers.



(L-R): Mentors of the Internship: Dr. Anjali Yeole (Deputy Head, Department of Artificial Intelligence and Data Science), Mrs. Himanshi J. (Assistant Professor, Department of AI and Data Science), Mrs. Sangeeta Oswal (Assistant Professor, Department of Artificial Intelligence and Data Science), Mr. Ajinkya W. (Assistant Professor, Department of Artificial Intelligence and Data Science) and Dr. Maya Bhat (Assistant Professor, Department of Humanities and Applied Sciences)

Summer Internship: Bridging Skills and Industry

~ Preetika Khilnaney

The Department of Computer Engineering, in association with VESIT-IQAC (Internal Quality Assurance Cell) and VESIT-IIC (Institution's Innovation Council), organized the "Summer Internship 2024" program from 17 May to 15 July 2024. It was meticulously coordinated by Dr. Rohini Temkar (Assistant Professor, Department of Computer Engineering) and was aimed at enhancing students' career readiness by integrating theoretical learning and practical experience. A total of 98 students completed 25 internship projects under the guidance of faculty members and industry mentors.

The internship focused on building both technical and soft skills. Notably, MERN and Django Training, conducted by student members of CodecellTinkerers - Aditya Mangtani (BE-CMPN), Hannan Chougale (TE-CMPN), and Latish Advani (TE-CMPN), and led by Mr. Richard Joseph (Assistant Professor, Department of Computer Engineering) provided participants with a deep understanding of web development technologies. Additionally, the internship introduced students to Generative AI using OpenSource technology - Llama, under the guidance of Dr. Nupur Giri (Head, Department of Computer Engineering).

This aspect of the program aligned with sustainable development goals such as quality education, climate action, reduced inequalities, peace, justice, strong institutions, as well as good health and well-being.



(L-R): Dr. Nupur Giri (Department Head, CMPN), Mr. Richard Joseph (Assistant Professor, Department of Computer Engineering), Ms. Rohini Temkar (Assistant Professor, Department of Computer Engineering)

Essential soft skills, including communication, teamwork, problem-solving, and time management were also instilled in students through the program. Through the internship, students gained confidence in tackling real-world challenges, thereby developing a sense of professionalism. Furthermore,



(L-R): Aditya Mangtani (BE-CMPN), Hannan Chougale (TE-CMPN), and Latish Advani (TE-CMPN), the hosts of the workshop

they also received certificates, acknowledging the successful completion of their projects.

Therefore, the "Summer Internship 2024" program was a significant success in preparing students for the professional world. It effectively blended theoretical learning with practical application, providing valuable technical skills and fostering essential workplace competencies in students. By exposing students to emerging technologies like Generative AI and advanced frameworks such as MERN and Django, the program equipped them with the necessary tools for future career growth.

Bridging Academia and Industry

~Chaitanya Moharil

From 8th July to 12th July 2024, the Department of Computer Engineering in association with VESIT-IQAC hosted a transformative ISTE-approved Short-Term Training Program () on Full Stack Web and Mobile Application Development. The program offered participants a comprehensive dive into modern development technologies, blending

theoretical insights with practical implementation. This program saw the participation of 36 faculty and was a part of VESIT's Ruby Jubilee Year celebrations, further emphasizing its commitment to academic excellence and innovation.

The event commenced with a formal inauguration ceremony, where dignitaries and participants lit a digital lamp as a symbol

of enlightenment. Dr. Nupur Giri (Head, Department of Computer Engineering) welcomed everyone and provided an overview of the upcoming events planned for the Ruby Jubilee Year. The keynote address was delivered by Mr. Sameer Mhatre (Director, Fortune4 Technologies) who highlighted the importance of mastering Full Stack Development in today's tech-driven world and outlined the program's objectives.



Mr. Sameer Mhatre (Director, Fortune4 Technologies) was felicitated by Dr. Gresha Bhatia (Deputy Head, Department of Computer Engineering).

Over five days, the participants explored cutting-edge topics such as HTML, CSS, JavaScript, React, Node.js, database management, along with API Integration. Industry experts **Mr. Sameer Mhatre** (Director, Fortune4 Technologies), **Mr. Deven Gandre** (Tech Lead, Fortune4 Technologies), **Mr. Martin Selva** (UI-UX Manager, Fortune4 Technologies) and other members of **Fortune4 Technologies**, led sessions on vital

concepts such as API integration, cloud-native applications using Docker and Kubernetes, and cross-platform development with tools like React Native. Participants also gained exposure to design thinking and prototyping using tools like Figma and Sketch, ensuring a holistic understanding of the development lifecycle.



Welcome speech by Dr. Nupur Giri (Head, Department of Computer Engineering)

The program concluded with a valedictory ceremony, where participants shared positive feedback, praising the enriching content and meticulous organization. Certificates were awarded to all attendees, recognizing their active

participation. **Dr. Gresha Bhatia** (Deputy Head, Department of Computer Engineering), the coordinator, expressed gratitude to the organizing team and industry experts for their contributions, emphasizing the importance of such programs in bridging academic learning with professional expertise.

The was a resounding success, equipping participants with innovative teaching methodologies and advanced technical skills.



Mr. Deven Gandre (Tech Lead, Fortune4 Technologies), Mr. Martin Selva (UI-UX Manager, Fortune4 Technologies)

Tech Bootcamp

~Shruti Thakare

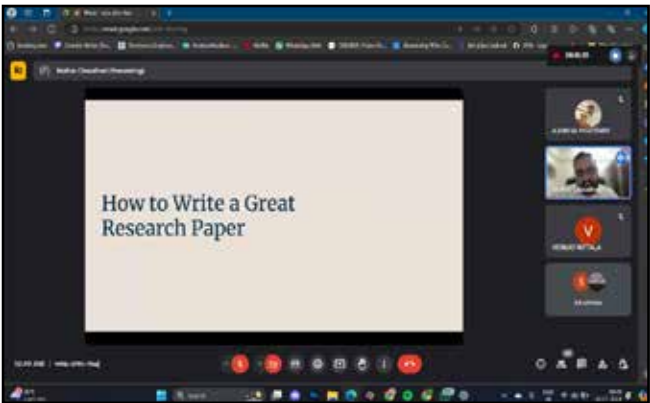
As part of the Ruby Jubilee celebration of VESIT, the **Department of Electronics and Computer Science Engineering** organized a six-day **Tech Bootcamp workshop** from **July 15th** to **July 20th, 2024** which aimed to provide students with unique learning opportunities and hands-on experiences in emerging technologies, honoring the legacy of our institution and department. By focusing on practical skills and real-world applications, the workshop intended to equip students with the necessary tools to excel in the rapidly evolving tech industry. Around 45 students from the Second and Third Year Electronics and Computer Science Department participated in the same.

The TechBootcamp began with an introduction to GitHub, covering version control, repository creation, and collaboration, led by **Harsh Kapse** (TE-ETCS), **Shobit Rajguru** (BE-ETRX), **Atharva Phadtare**(TE-ETCS), and **Harshita Anchan** (TE-ETCS). Day 2 focused on Flutter development, where **Ajinkya Phadtare** (TE-ETCS) and **Ritali Jadhav** (TE-ETCS) guided participants through setting up a Flutter environment, creating their first app, and deploying it. On Day 3, **Harsh Kapse** (TE-ETCS), **Atharva Phadtare** (TE-ETCS), **Swed Lengare** (TE-ETCS), **Abhijeet Pandey** (TE-ETCS), and **Kartik Babu** (TE-ETCS) taught web development basics (HTML, CSS, and JavaScript), culminating in building a weather forecasting app using JavaScript and APIs.

Day 4, led by **Aditya Santosh Ayare** (BE-ETRX), **Devendra Gawade** (BE-ETRX), **Anushka Shinde** (TE-ETCS), **Shreyash Das** (TE-ETCS), **Saurabh Gupta** (TE-ETCS) and **Prajwal Kudapane** (TE-ETCS), focused on IoT and SQL databases, with students building a temperature detection system using a DHT11 sensor and ESP8266 microcontroller. On Day 5, **Binayak Bhattacharjee** (TE-ETCS), **Kapil Dhavale** (TE-ETCS), **Harshita**

Anchan (TE-ETCS), **Sucheit Joshi** (TE-ETCS), and **Sahil Sawant** (TE-ETCS) introduced machine learning and data science fundamentals, including a practical linear regression exercise for predicting student marks.

On July 20th, 2024, **Mr. Malhar Chaudhari** (Software andAI, Teknobuilt Solutions Pvt. Ltd) conducted an enlightening session on technical paper writing, focusing on providing students and professionals with the necessary skills to effectively communicate their research findings. The session covered various aspects of the technical paper writing process, including structuring a paper, crafting a clear and concise abstract, and the importance of a well-defined introduction.



Mr. Malhar Chaudhari (Software andAI, Teknobuilt Solutions Pvt. Ltd) conducting insightful session

After the session a workshop was conducted on Image Processing, led by Resource Persons **Yash Kurade**(BE-ETRX) and **Shobhit Rajguru**(BE-ETRX). Participants learned about various techniques for manipulating and analyzing images, such as filtering, edge detection, and color manipulation, using the OpenCV library.

The Tech Bootcamp workshop, held as part of the Ruby Jubilee celebration of VESIT,

was a resounding success. Each session, led by knowledgeable coordinators, provided hands-on exercises, interactive learning opportunities, and real-world applications.



(Top-Bottom, L-R): Speakers of the event- Harsh Kapse (TE-ETCS), Shobit Rajguru (BE-ETRX), Atharva Phadtare (TE-ETCS), Shreyash Das (TE-ETCS), Ajinkya Phadtare (TE-ETCS), Aditya Santosh Ayare (BE-ETRX), Prajwal Kudapane (TE-ETCS), Saurabh Gupta (TE-ETCS), Binayak Bhattacharjee (TE-ETCS), Kapil Dhavale (TE-ETCS), Yash Kurade (BE-ETRX), Abhijeet Pandey (TE-ETCS), Kartik Babu (TE-ETCS), Devendra Gawade (BE-ETRX), Anushka Shinde (TE-ETCS), Harshita Anchan (TE-ETCS), Ritali Jadhav (TE-ETCS), Sucheit Joshi (TE-ETCS), and Sahil Sawant (TE-ETCS)

Finishing School Workshop

~Vedika Date

The Department of Automation & Robotics successfully organized the Finishing School Workshop-2024 from 15th July to 20th July 2024. The event, exclusively designed for final-year Instrumentation Engineering students, aimed to equip them with technical expertise and prepare them for their transition into the professional world. The sessions were conducted in Room No. 118 and Labs No. 101, 102, 103, and 104 on the first floor of the institute.

The workshop featured expert-led sessions on the Fundamentals of Instrumentation, conducted by Dr. Nilima Warke (Assistant Professor, Department of Automation and Robotics), Dr. Kadambari Sharma (Assistant Professor, Department of Automation and Robotics), and Mr. Prasad Godse (Assistant Professor, Department of Automation and Robotics). Their in-depth guidance helped students strengthen their core technical understanding, ensuring they were well-prepared for real-world applications. Industry leaders also played a pivotal role in the workshop. Mr. Manas Phadnis (Head of Business Development & Key Accounts, VEGA India) provided valuable insights into field instrumentation, while Ms. Simran Kaur (Associate Senior I&C Engineer, Burns & McDonnell India)

offered practical advice on transitioning from campus to the corporate world. These sessions were instrumental in bridging the gap between academic learning and professional requirements.

The event was supported by the dedicated efforts of faculty members, including Dr. Sangeetha P. Ram (Head, Department of Automation and Robotics), Mrs. Deepti Khimani (Deputy Head, Department of Automation and Robotics), and Mr. Prasad Godse (Training & Placement In-charge). Students found the workshop immensely beneficial as it combined theoretical learning with practical exposure and career guidance. Certificates were awarded to the first 50 respondents, which further motivated participants to engage actively. The



Speakers of the Workshop (L-R): Mr. Manas Phadnis (Head of Business Development & Key Accounts, VEGA India), Ms. Simran Kaur (Associate Senior I&C Engineer, Burns & McDonnell India)

Finishing School Workshop-2024 marked another milestone in VESIT's continuous efforts to foster excellence in education and empower students with the skills necessary for their professional journeys.



Coordinators of the Workshop (L-R): Dr. Sangeetha P. Ram (Head, Department of Automation and Robotics), Mr. Prasad Godse (Training & Placement In-charge), and Mrs. Deepti Khimani (Deputy Head, Department of Automation and Robotics), Dr. Nilima Warke (Assistant Professor, Department of Automation and Robotics), Dr. Kadambari Sharma (Assistant Professor, Department of Automation and Robotics)

Digital Armor: Cyber Frauds & Myths

~Arpita Yaligeti

On July 19, 2024, the Department of Electronics & Telecommunication hosted an impactful workshop titled Awareness on Cyber Frauds and EMF. Held in the Auditorium, the event was designed to equip faculty members, non-teaching staff, and students with crucial knowledge about cybersecurity and electromagnetic fields.

The workshop, led by Mr. Satyam Singh (Assistant Director General at the Department of Telecommunication), began with a sobering discussion on the major cyber crimes currently affecting individuals and organizations alike. Participants were introduced to the various forms of cyber threats, including phishing and hacking, where perpetrators deceive individuals through fraudulent messages to obtain personal information. The discussion also covered ransomware, a type of malware that encrypts users' files until a ransom is paid, as well as identity theft and data breaches, which have become alarmingly common. The real-life stories and examples shared by Mr. Singh emphasized the importance of cyber security, making the threats feel both tangible and urgent.

A noteworthy segment of the workshop involved debunking the myth that microwave radiation from devices like mobile phones and laptops is harmful. Mr. Singh presented scientific

evidence to counter the widespread concerns about radiation. He explained that microwave radiation is non-ionizing, meaning it does not have the energy to remove tightly bound electrons from atoms, which is necessary for causing cancer. This clarification was reassuring, especially given that extensive studies, including those conducted by the World Health Organization, have found no conclusive evidence linking everyday electronic devices to health issues.

Another practical aspect of the workshop was the introduction to "Sanchar Saathi," a government-supported website designed to help citizens report scams, frauds, stolen devices, and suspicious phone numbers. Mr. Singh demonstrated the platform's ease of use, providing attendees with a valuable tool to combat cybercrime. This resource is particularly beneficial for those who might feel overwhelmed by cyber threats, offering a straightforward way to take action and protect oneself.

The workshop also provided guidance on the steps to take if one becomes a victim of cybercrime. Attendees learned how to use the cybercrime.gov.in website, a dedicated government resource for reporting cyber incidents and seeking assistance. Mr. Singh's clear instructions on navigating the site and the information required for reporting made the process seem more manageable.

This segment was particularly reassuring, as it highlighted the availability of dedicated platforms for addressing and resolving cybercrime issues.

Overall, the workshop was an enlightening experience for the VESIT community. It combined theoretical insights with practical advice, covering critical aspects of cyber threats, debunking myths about radiation, and introducing valuable resources like "Sanchar Saathi" and cybercrime.gov.in. The knowledge gained from this session has equipped participants with a better understanding of cyber security and practical steps to protect themselves in the digital age.



Mr. Satyam Singh (Assistant Director General at the Department of Telecommunication) introducing Sanchar Saathi

Problem Solving Approach

~Vedika Date

On July 25, 2024, Dr. Dhanamma Jagli (Deputy Head, Department of Masters of Computer Applications) delivered an insightful session on "Creative Problem Solving with Design Thinking Approach." The session aimed to introduce participants to the principles of design thinking, emphasizing its importance as a human-centered approach to solving contemporary problems creatively and effectively.

Dr. Jagli began by highlighting the core principles of design thinking, which involves taking proactive stands, coordinating with others, and focusing on human-centric solutions. She explained that design thinking is a method of creatively solving problems, contrasting it with traditional approaches. This methodology combines analytical thinking with innovative and creative processes, making it a powerful tool for tackling complex challenges. Dr. Jagli emphasized that everyone has the potential to be a design thinker by nature, driven by their intentions to help others.



Speaker of the Session: Dr. Dhanamma Jagli (Deputy Head, Department of Masters of Computer Applications)



Creative Problem Solving with Design Thinking Approach

The session covered essential rules and principles of design thinking, such as embracing ambiguity, the continuous process of redesign, and the importance of creating tangible prototypes. Dr. Jagli also outlined the Stanford School Design Thinking Process, which includes five steps: empathize, define, ideate, prototype, and test. She underscored the benefits of this approach, including overcoming creative challenges, incorporating customer feedback, and broadening participants' knowledge of design thinking.

In conclusion, Dr. Jagli's session highlighted the importance of design thinking in fostering innovation and collaboration. She encouraged participants to develop key traits of successful design thinkers, such as optimism, empathy, critical thinking, and a curious mind. By embracing these principles and traits, attendees can enhance their ability to solve problems creatively and collaboratively, making a positive impact in their personal and professional lives.

Empowering Research Workshop

~ Nikunja Sonawane

From 1st to 3rd August 2024, the SPICE Committee from the Department of Master of Computer Applications successfully organized a **hands-on workshop on research tools and techniques** for the second-year Master of Computer Applications students at VESIT. The event, held in Lab B14, aimed to equip students with essential research skills and familiarize them with advanced tools to enhance their academic endeavors. With the growing importance of research in the academic world, this workshop focused on providing students with practical experience in using Mendeley, a powerful reference management software.

The workshop commenced with an insightful introduction to the essence of research, quoting Albert Szent-Gyorgyi, "Research is to see what everybody else has seen, and to think what nobody else has thought." The speakers, **Dr. Dhanamma Jagli** (Deputy Head, Department of MCA) and **Mrs. Vaishali Gatty** (Assistant Professor, Department of Master of Computer Applications) guided students on the importance of mastering research tools. They covered Mendeley's core features, including organizing references, annotating PDFs, and collaboration

through shared libraries. The sessions highlighted how Mendeley aids in simplifying the research process by providing users with tools for efficient document management and enhanced teamwork.



(L-R): Speakers of the Workshop: Dr. Dhanamma Jagli (Deputy Head, Department of Master of Computer Applications) and Mrs. Vaishali Gatty (Assistant Professor, Department of Master of Computer Applications)

The interactive nature of the workshop allowed students to engage directly with Mendeley and practice its features under expert supervision. From annotating PDFs to managing citations, students gained valuable insights into how to leverage this tool for their academic projects. Furthermore, the platform's collaboration and recommendation features were discussed,

emphasizing the importance of sharing research with peers and staying updated with current advancements.

The workshop concluded with an overwhelming response from the students, who expressed appreciation for the practical guidance and hands-on experience they received. The efforts of the SPICE Committee, along with the expertise shared by the speakers, ensured that the event was a resounding success, fostering a deeper understanding of research tools among the participants.



Participants attending the event

Mastering Flutter App Development

~Chirag Pedamkar

On 3rd August 2024, the Department of Electronics and Telecommunication at VESIT conducted a workshop on Mobile App Development for final-year students. The session, led by **Mr. Harsh Bhatia** (Senior Software Engineer, Equirus Wealth) and coordinated by **Dr. Saylee Gharage** (Associate Professor, Department of Electronics and Telecommunication) and **Dr. Rasika Naik** (Assistant Professor, Department of Electronics and Telecommunication), aimed to equip students with essential knowledge and hands-on experience in designing and developing mobile applications. Held in Smart Classroom B42, the workshop saw participation from **65 students** and included both theoretical insights and practical sessions.



(L-R): Dr. Rasika Naik (Assistant Professor, Department of Electronics and Telecommunication Engineering) awarding Mr. Harsh Bhatia (Senior Software Engineer, Equirus Wealth)

The Workshop provided a thorough introduction to building applications using Flutter, Google's popular open-source UI toolkit. Students were guided through setting up their development environment, including installing Flutter and the Dart SDK and configuring IDEs like **Visual Studio Code** and **Android Studio**. The session also demonstrated setting up **Flutter** on various operating systems.

Key concepts covered included the widget tree, state management, and using Flutter's pre-designed widgets to create responsive and visually appealing user interfaces. Hands-on exercises reinforced the understanding of Flutter mechanics, such as the distinction between stateful and stateless widgets. The workshop emphasized

Flutter’s advantages, including fast development, expressive UI, and native performance.

The session concluded with a Q&A segment, where participants resolved doubts and sought guidance on their own app ideas. By the end of the workshop, students had a solid understanding of Flutter’s capabilities and were equipped to develop cross-platform mobile applications effectively,

forming a strong foundation for future projects.

The workshop successfully introduced students to Flutter, enhancing their app development skills through practical learning. It laid a strong groundwork for future innovations in mobile technology. The interactive approach made learning both effective and engaging.



Dr. Saylee Gharge (Associate Professor, Department of Electronics and Telecommunication Engineering)

Tech Forward: Mastering Next Gen IT Ops

~Tanisha Nanwani

The Department of Information Technology at VESIT, in collaboration with the Quest IT Cell, VESIT Institution's Innovation Council, and VESIT Internal Quality Assurance Cell, organized a series of workshops on Next Generation IT Operations during the academic year 2024-25. The sessions were designed to provide students with practical insights into modern DevOps practices, including CI/CD pipelines, containerization, infrastructure automation, and IT monitoring tools.

The workshops spanned five days: August 3, 10, 17, 24, and October 5, 2024. They were led by Mr. Omkar Pawar (Batch of 2023, Department of Information Technology), alongside Mr. Shashwat Tripathi (BE-INFT) and Mr. Piyush Tilokani (BE-INFT). With nearly 100 student participants and two faculty members in attendance, the event delivered a comprehensive learning experience.

The first session focused on DevOps fundamentals, Jenkins, and Maven. Attendees learned Jenkins' architecture, plugins, and continuous integration capabilities. The session also introduced Maven as a build management tool for Java projects, covering its lifecycle from compilation to deployment. Participants engaged in hands-on activities, building projects and managing integrations.

The second session explored Jenkins' Master-Slave architecture and Docker's containerization technology. Students were guided through Docker's command-line interface and learned to create and manage Docker containers.



(L-R): Mr. Omkar Pawar (Batch of 2023, Department of Information Technology) was felicitated by Mrs. Kajal Joseph (Assistant Professor, Department of Information Technology), Mrs. Charusheela Nehete (Assistant Professor, Department of Information Technology).

Practical demonstrations included configuring Docker images and managing resource-efficient builds.

The third session emphasized automated testing with JUnit and version control using Git. Students gained an understanding of writing unit tests, running test cases, and leveraging Git for source code management. Practical exercises helped participants implement these tools effectively.

Terraform, an Infrastructure as Code (IaC) tool, took center stage in the fourth session. Students configured and managed Amazon S3 buckets using Terraform scripts. They wrote configuration files in HashiCorp Configuration Language (HCL), initialized environments, and applied configurations to deploy cloud resources.

The final in-person session, guided by Mr. Omkar Pawar, revisited critical DevOps concepts like Docker, Kubernetes, SonarQube, and GitLab. Students explored Kubernetes' container orchestration features, including load balancing, auto-scaling, and cluster management using Minikube. The session concluded with career advice and campus placement tips from Mr. Pawar.

The workshop provided attendees with a comprehensive understanding of essential DevOps tools such as Jenkins, Docker, and Kubernetes, along with modern testing frameworks like JUnit and infrastructure automation using Terraform. The inclusion of SonarQube and GitLab enriched the participants' knowledge of code quality management and CI/CD pipelines. The final in-person session served as a capstone, reinforcing core DevOps principles while offering practical guidance on campus placements and career preparedness. Overall, the workshop equipped participants with the critical skills and knowledge needed to navigate the rapidly evolving IT and DevOps landscape.



(L-R): Student Coordinators - Shashwat Tripathi (BE-INFT) and Mr. Piyush Tilokani (BE-INFT)

Innovation to Startup Journey

~Mahek Ahuja

On 9th August 2024, the Department of Information Technology organized an highly anticipated IIC seminar on Session Of Innovation/Prototype Validation which is converting innovation into startup. The event was conducted to educate the students as how to analyze their ideas of innovation.

The session was conducted in the Auditorium. The speakers of the event was Mr. Prashant Ghosh (Head of Technology, Wyld, Chief Technology Officer and Co- Founder, FundCorps) and Mr. Vishal Mody (Chief Technology Officer, LiquiLoans).

The event was coordinated by Mrs. Sukanya Roychowdhury (Assistant Professor, Department of Information Technology), Dr. Ravita Mishra (Assistant professor, department of Information Technology) and Mrs. Sneha Palke (Assistant Professor, Department of Information Technology). The main objective of the program was to motivate students to enter the world of entrepreneurship in lieu of creating Atmanibhar Bharat.



(L-R): Event Coordinators - Mrs. Sukanya Roychowdhury (Assistant professor, Department of Information Technology), Dr. Ravita Mishra (Assistant professor, department of Information Technology) and Mrs. Sneha Palke (Assistant Professor, Department of Information Technology)

In total 214 students and 5 faculty members participated in the session. The interactive session witnessed enthusiastic participation and attendees posed thought - provoking questions , seeking guidance on diverse aspects of entrepreneurship and wealth creation. The event provided valuable insights into evaluating innovative concepts

and fostering entrepreneurial spirit. Overall, the seminar concluded successfully, leaving participants energized and equipped with practical insights to pursue their entrepreneurial goals.



(L-R): Speakers of the event - Mr. Prashant Ghosh (Head of Technology , Wyld, Chief Technology Officer and Co- Founder, FundCorps) and Mr. Vishal Mody (Chief Technology Officer, LiquiLoans)

Blockchain Privacy

~Saniya Kadam

The "Privacy Protection using Blockchain" research forum, organized by the Department of Information Technology, took place on August 17th, 2024. The seminar, expertly led by Dr.(Mrs.) Smita Bansod (Assistant Professor, SAKEC, Mumbai), was coordinated by Mrs. Kajal Joseph (Assistant Professor, Department of Information Technology) and Mrs. Anushree Prabu (Assistant Professor, Department of Information Technology). This event, focused on R&D, aimed to address the critical issue of privacy in digital systems and the role of blockchain technology in enhancing privacy protection.



(L-R):Token of Appreciation to the Speaker - By Mrs. Kajal Joseph (Assistant Professor, Department of Information Technology) Dr. Smita Bansod (Assistant Professor, SAKEC, Mumbai)

With a total of 18 faculty participants, the seminar delved deeply into how blockchain technology can improve privacy. It highlighted the decentralized nature and immutability of blockchain, which provide a robust framework for privacy protection. Key topics included advanced privacy techniques such as zero-knowledge proofs, ring signatures, stealth addresses, and the NTRU algorithm. Dr. Bansod's presentation made complex concepts accessible and engaging, ensuring that participants could grasp both foundational and cutting-edge ideas.



Participants Attending the Event

The seminar significantly advanced participants' understanding of blockchain's role in privacy. Attendees gained insights into how blockchain's features address privacy challenges, with real-world case studies illustrating successful privacy solutions. They developed skills in blockchain technology and analytical thinking for evaluating privacy mechanisms. The forum also provided knowledge about emerging trends and regulatory issues impacting privacy.

Feedback indicated strong interest in further exploring privacy-preserving blockchain technologies, with many participants expressing intentions to incorporate these innovations into their academic and research projects. Social media promotion via Instagram, Facebook, LinkedIn, and Twitter helped extend the seminar's reach, showcasing its impact within the academic community.

In conclusion, the "Privacy Protection using Blockchain" seminar was a successful blend of theoretical insights and practical applications. It highlighted the importance of ongoing innovation and interdisciplinary collaboration in advancing privacy protection and ensuring the continued effectiveness of blockchain technology in safeguarding digital data.

Crafting AI VoiceBots at VESIT

~Asawari Patil

On 16th August 2024, VESIT's Department of Artificial Intelligence and Data Science, in collaboration with E2E Cloud and IIT Bombay Incubator, SINE, organized a workshop titled "Going from 0-1 for a VoiceBot in Indian Languages." This engaging event aimed to explore the complexities of building AI voice agents tailored to Indian languages, address key technical challenges, and equip participants with practical skills to develop scalable systems.

The workshop took place in Room B42 of the VESIT campus from 10:00 AM to 12:00 PM. Mr. Urvin Soneta (Co-founder, Infer.so) served as the guest speaker. His extensive experience in AI-driven voice technologies and system design allowed him to deliver an insightful session covering critical aspects of humanlike voice interactions, technological scalability, and real-world applications.

One of the key highlights of the workshop was a live demonstration of creating AI-driven chatbots using the Infer.so API. Mr. Soneta discussed overcoming challenges like handling interruptions, background noise, latency, and ambiguous commands. He emphasized the importance of robust system design, including asynchronous functions and state management, to ensure seamless and natural interactions.

The session also introduced participants to advanced frameworks such as large language models (LLM), speech-to-speech technologies

(SST), and text-to-speech technologies (TTS). Mr. Soneta shared insights into deploying these tools on scalable platforms like ECS and addressed practical strategies for managing performance, analyzing call recordings, and catering to diverse Indian accents. The hands-on segment allowed participants to apply these concepts, enhancing their understanding of AI voice technology.



Speaker of workshop Mr. Urvin Soneta (Co-founder, Infer.so)



Event Coordinators (L-R): Mrs. Sangeeta Oswal (Assistant Professor, Department of Artificial Intelligence and Data Science)

The event culminated in a Q&A session where Mr. Soneta addressed participants' queries and offered personalized guidance on implementing AI voice technology in various domains. The workshop was coordinated by Mrs. Sangeeta Oswal (Assistant Professor, Department of Artificial Intelligence and Data Science), while student coordination was managed by Tanisha Patel (TE-AIDS).

Overall, the workshop was a resounding success, equipping participants with essential knowledge and skills to tackle real-world challenges in AI voice technology. It emphasized the importance of innovation, practical problem-solving, and the adoption of cutting-edge tools, inspiring attendees to contribute to advancements in AI voice systems.



VESIT Students Engaged in AI VoiceBot Workshop Led by Industry Expert

Empowering Research Awareness

~Saniya Kadam

The "Research Awareness" seminar, organized by the **Department of Information Technology**, took place on **August 23, 2024**. The seminar was expertly led by **Dr. Ravita Mishra** (Assistant Professor, Department of Information Technology) and coordinated by **Mrs. Kajal Joseph** (Assistant Professor, Department of Information Technology), **Mrs. Sneha Pakle** (Assistant Professor, Department of Information Technology), and **Mrs. Sukanya Roychowdhury** (Assistant Professor, Department of Information Technology). This event focused on research and development (R&D) and aimed to educate participants about the significance of research in academic and professional contexts.

With a total of 115 participants, including 110 students and 5 faculty members, the seminar explored essential concepts of research, methodologies, and the publication process. Dr. Mishra's presentation made complex topics accessible and engaging, ensuring that attendees could grasp both foundational and advanced ideas in research.

The seminar significantly enhanced participants' understanding of effective research practices. Attendees gained insights into the structure of research articles, the writing process, and the selection of appropriate journals for publication. They developed skills in critical thinking and analytical methodologies essential

for conducting quality research. The forum also addressed emerging trends in research and the ethical responsibilities of authors in the publication process.

Feedback indicated a strong interest in further exploring research methodologies, with many participants expressing intentions to apply the knowledge gained in their academic projects. Requests for follow-up workshops to delve deeper into specific areas of interest were also noted. Social media promotion via Instagram, Facebook, LinkedIn, and Twitter helped broaden the seminar's reach, showcasing its impact within the academic community.



Event Coordinators (L-R): Mrs. Kajal Joseph (Assistant Professor, Department of Information Technology), Mrs. Sneha Pakle (Assistant Professor, Department of Information Technology), and Mrs. Sukanya Roychowdhury (Assistant Professor, Department of Information Technology)

In conclusion, the "Research Awareness" seminar was a successful blend of theoretical insights and practical applications. It highlighted the importance of fostering a culture of inquiry and innovation in education, equipping participants with the tools needed to excel in research and contribute meaningfully to their fields. The seminar's positive reception indicates an increasing enthusiasm for research among students, fostering further exploration and innovation in their academic endeavors.



Students and Faculty Participants



Session by Speaker - Dr. Ravita Mishra

Igniting Entrepreneurial Innovation

~Tejasvini Bachhav

On **26th August 2024**, VESIT's **Department of Automation and Robotics**, in collaboration with the **Institution's Innovation Council (IIC)** and the **Internal Quality Assurance Cell (IQAC)**, organized a seminar titled **Accelerators/Incubation - Opportunities for Students and Faculties - Early-Stage Entrepreneurs**. This engaging event aimed to foster innovation, accelerate growth, and enhance entrepreneurial skills among participants.



Speaker of the event - Mr. Rajesh Idnani (Managing Director of QC Acumen Private Ltd.)

The seminar took place in the VESIT Auditorium from 1:30 PM to 3:30 PM. **Mr. Rajesh Idnani** (Managing Director of QC Acumen Private Ltd.) and a visiting faculty member at the IIPM Institute of Management Studies, served as the guest speaker. His extensive experience in both academia and industry allowed him to deliver

an insightful session exploring various aspects of accelerators, incubators, and entrepreneurship. Mr. Idnani emphasized how early-stage entrepreneurs could leverage available resources, mentorship, and networking opportunities to thrive.



Attendees of the event

One of the key highlights of the seminar was the distinction between accelerators and incubators. Mr. Idnani explained that accelerators are short-term programs focused on rapidly scaling startups, while incubators provide long-term support to nurture startups from their inception. He stressed the importance of selecting the right platform based on a startup's nature and goals. Additionally, the seminar shed light on the startup ecosystem, introducing participants to vital support networks, including mentors, coaches, and trainers. Platforms like Startup India, AngelList, and Kickstarter were highlighted as crucial resources for startup growth.

The seminar also featured practical case studies that provided valuable insights into successful business strategies across various industries, helping attendees understand market

environments and competitive landscapes. Mr. Idnani addressed common challenges faced when pitching to venture capitalists and shared effective strategies for developing business plans and conducting market research.

The event culminated in a Q&A session where Mr. Idnani addressed participants' doubts and offered personalized advice on launching and managing startups. The seminar was coordinated by **Mrs. Jayassre Ramakrishnan** (Assistant Professor, Department of Automation and Robotics) while **Tejasvini Bachhav** (SE-AURO) served as the student coordinator. Overall, the seminar was a resounding success, equipping participants with essential entrepreneurial skills and knowledge.



Shri B. L Boolani (Managing Trustee, VESIT) & Mrs. Jayassre Ramakrishnan (Assistant Professor, Department of Automation and Robotics) giving token of appreciation to the speaker

Network Security Workshop

~Saniya Kadam

The "SEL on Computer Network Security" workshop, organized by the **Department of Information Technology**, took place on **September 25th, 2024**. The session was expertly led by **Dr. Smita Bansod** (Assistant Professor, SAKEC, Mumbai) and coordinated by **Mrs. Anushree Prabhu** (Assistant Professor, Department of Information Technology), **Mr. Abhishek Chaudhari** (Assistant Professor, Department of Information Technology), and **Ms. Rohini M. Sawant** (Assistant Professor, Department of Information Technology). This event aimed to equip participants with foundational knowledge and practical skills necessary for protecting networked environments.



Speaker of the workshop : **Dr. Smita Bansod**
(Assistant Professor, SAKEC, Mumbai)

With a total of 220 student participants and 3 faculty members, the workshop delved deeply into essential topics in computer network security. Key subjects covered included cryptography, malware threats, firewall configurations, and internet security best practices. Dr. Bansod's engaging presentation made complex concepts accessible, ensuring that participants could grasp both foundational and advanced ideas.

The workshop significantly enhanced participants' understanding of the critical challenges in cybersecurity. Attendees gained insights into contemporary issues and practical exposure to tools and techniques, fostering a collaborative environment for discussion. Real-world scenarios were examined, allowing participants to share experiences and strategies related to network security challenges.

Feedback from attendees indicated a strong interest in further exploring the latest developments in computer network security. Many expressed intentions to apply the knowledge gained in their academic and future professional projects. The event was promoted across social media platforms such as Instagram, Facebook, LinkedIn, and Twitter, which helped to extend its reach and impact within the academic community.

In conclusion, the "SEL on Computer Network Security" workshop was a successful integration of theoretical insights and practical applications. It underscored the importance of ongoing education and collaboration in addressing the ever-evolving landscape of cybersecurity, equipping participants to effectively safeguard their networks and data against potential threats.



(L-R): Session Coordinators: **Mrs. Anushree Prabhu** (Assistant Professor, Department of Information Technology), **Mr. Abhishek Chaudhari** (Assistant Professor, Department of Information Technology), and **Mrs. Rohini M. Sawant** (Assistant Professor, Department of Information Technology).

Optimizing MANETs with Soft Computing

~Asawari Patil

On **31st August 2024**, the **Department of Computer Engineering** at VESIT, in association with the **VESIT Research Forum, Institution's Innovation Council (IIC)**, and **Internal Quality Assurance Cell (IQAC)**, conducted a seminar titled "**A Research Journey on Utilizing Soft Computing in Mobile Adhoc Network for Balanced Energy Consumption**." This event aimed to explore advanced techniques for optimizing energy consumption in Mobile Adhoc Networks (MANETs) using soft computing methods.

The seminar was held from and featured **Dr. Veena Trivedi** (Assistant Professor, Department of Computer Engineering) as the distinguished speaker. Dr. Trivedi's extensive expertise in MANETs and energy optimization brought valuable insights to the audience. The event was convened by **Mr. Richard Joseph** (Assistant Professor, Department of Computer Engineering) and coordinated by **Mrs. Lifna C.S.** (Assistant Professor, Department of Computer Engineering).

Dr. Trivedi introduced MANETs, highlighting their decentralized nature and importance in scenarios like disaster recovery and

military operations. She emphasized the critical challenge of energy depletion in these networks and discussed soft computing techniques to optimize energy use, such as fuzzy logic for dynamic routing, genetic algorithms for energy-efficient protocols, and neural networks for predicting energy consumption.



Speaker - **Dr. Veena Trivedi** (Assistant Professor, Department of Computer Engineering)

She presented research findings showing balanced energy consumption, adaptive routing protocols, and prolonged network lifespan. Dr. Trivedi also shared real-world applications in disaster recovery and military communications.

The session concluded with discussions on future research directions, including hybrid soft computing approaches and machine learning for improved network performance, followed by an engaging Q&A session.

The event concluded with a vote of thanks by **Mr. Richard Joseph**, who acknowledged Dr. Trivedi's valuable contributions and presented her with a Certificate of Appreciation. This seminar successfully provided participants with a comprehensive understanding of soft computing in MANETs, inspiring future research and innovation in the field.



(L-R): Event was convened by **Mr. Richard Joseph** (Assistant Professor, Department of Computer Engineering) and coordinated by **Mrs. Lifna C.S.** (Assistant Professor, Department of Computer Engineering)

Igniting AI Minds: NVIDIA Workshops

Asawari Patil

On **September 14th and 17th, 2024**, the **Department of Artificial Intelligence and Data Science**, along with **AI CoLegion**, organized two **NVIDIA Deep Learning Institute (DLI)** certification sessions. The first session, titled "**Fundamentals of Deep Learning**," was held on September 14, followed by the second session on "**Applications of AI for Anomaly Detection**," on September 17. Both sessions were led by **Mrs. Sangeeta Oswal** (Assistant Professor, Department

of Artificial Intelligence and Data Science), an NVIDIA-certified instructor and faculty in charge of AI CoLegion. These workshops aimed to provide participants with valuable knowledge and hands-on experience in key areas of deep learning and artificial intelligence.

The "Fundamentals of Deep Learning" session introduced participants to the foundational concepts of deep learning. The workshop, attended by **83 students** from various departments, covered

topics such as neural network training mechanisms, Convolutional Neural Networks (CNNs), data augmentation, and the use of pre-trained models. Participants engaged with each module through interactive tests and practical exercises, fostering a solid understanding of core deep learning concepts. The session concluded with an assessment to evaluate the participants' grasp of the material, with certificates awarded to those who successfully completed the test.



Sessions were led by Mrs. Sangeeta Oswal (Assistant Professor, Department of Artificial Intelligence and Data Science)

Following this, the "Applications of AI for Anomaly Detection" session took place on September 17, 2024. Aimed at exploring the

practical applications of AI techniques in anomaly detection, this session focused on supervised learning methods, including XGBoost, and unsupervised techniques like deep learning-based autoencoders. Participants were also introduced to the use of Generative Adversarial Networks (GANs) for anomaly detection, exploring how these modern techniques outperform traditional methods. The session encouraged participants to apply these techniques in real-world scenarios, such as detecting anomalies in finance, healthcare, and other domains.

Both sessions provided extensive guidance and expert insights, with Mrs. Sangeeta Oswal ensuring an interactive learning experience. The workshops were structured with continuous knowledge checks after each module, allowing participants to assess

their understanding and problem-solving abilities. Throughout both events, expert facilitators were available to answer questions and offer hands-on support, which helped to deepen the participants' understanding and boost their confidence in applying the concepts learned.

In conclusion, these NVIDIA DLI certification workshops successfully provided participants with valuable skills and insights into deep learning and AI applications. By combining theoretical knowledge with practical exercises, the events prepared students to explore advanced AI topics and pursue careers in the rapidly evolving fields of artificial intelligence and machine learning. The workshops were widely promoted on social media platforms, ensuring broad outreach and engagement from students across various departments.

Mastering Cybersecurity

A cybersecurity workshop was conducted on 21st September 2024 at B42 from 10:00 AM to 1:00 PM by the Department of Electronics and Telecommunication Engineering to enhance awareness of critical cybersecurity concepts. The session, led by Jay Makwana (Security Researcher and Implementation Engineer at Arcon), Rahul Jana (Cybersecurity Analyst and OSINT Investigator at V4Web), Gayatri Tawade (Cybersecurity Analyst at V4Web) and co-ordinated by Mrs. Arti Sawant (Assistant Professor, Department of Electronics and Telecommunication engineering) focused on networking, web application security, and system hacking techniques with practical demonstrations. Participants were introduced to essential networking concepts, including different network topologies such as Bus, Star, Ring, Mesh, and Tree, as well as types of networks like PAN, LAN, CAN, and WAN. The importance of securing network infrastructures, understanding ports and protocols such as SSH, HTTP/HTTPS, MySQL, and RDP, and configuring firewalls to prevent unauthorized access was emphasized.

The workshop delved into web application security by exploring key OWASP vulnerabilities such as Broken Access Control, SQL Injection, and Security Misconfiguration. Practical demonstrations illustrated how attackers exploit these vulnerabilities and highlighted mitigation strategies like input validation, parameterized queries, and enforcing the principle of least privilege.

Participants also learned about Google Dorking, a technique leveraging advanced search operators to uncover sensitive data and vulnerabilities online. The ethical use of this technique for penetration testing was emphasized to avoid misuse.

A hands-on practical session on SQL Injection exploitation demonstrated the use of tools like SQLMap to extract sensitive database information, reinforcing the importance of input validation and sanitization in securing web applications. Additionally, the session introduced Local Privilege Escalation using the LocalPotato vulnerability (CVE-2023-21746), showcasing how attackers can escalate privileges on Windows systems. This highlighted the critical need for patch management and service hardening to prevent exploitation.



(L-R): Speakers of the session - Jay Makwana (Security Researcher and Implementation Engineer at Arcon), Rahul Jana (Cybersecurity Analyst and OSINT Investigator at V4Web), and Gayatri Tawade (Cybersecurity Analyst at V4Web)

The workshop provided valuable insights

into securing networks, mitigating web application vulnerabilities, and understanding attacker techniques. Through interactive sessions and practical activities, participants developed technical skills and adopted a security-first mindset essential for managing IT infrastructure in today's threat landscape.



Event Coordinator: Mrs. Arti Sawant (Assistant Professor, Department of Electronics and Telecommunication engineering)



Cybersecurity Workshop on Critical Concepts

Bridging Generations: Academic-Industry Sync

On September 21, 2024, the Department of Electronics and Telecommunication (EXTC) hosted an insightful event titled Bridging Generations. This event provided a platform for 14 student groups from TE EXTC to present their innovative projects and gain valuable feedback from esteemed alumni. Held across various labs from 8:30 AM to 1:00 PM, the event provided students with insights into aligning their academic work with industry expectations.

The panel of alumni evaluators included Rajiv Yadav (Batch of 2018, Department of Electronics and Telecommunication), Radhika Damle (Batch of 2024, Department of Electronics and Telecommunication Engineering), Saheb Wadhwa (Batch of 2022, Department of Electronics and Communications Engineering), Sakshi Davkhar (Batch of 2022, Electronics and Telecommunication Engineering), Yusuf

Kulkarni (Batch of 2022, Department of Electrical, Electronics and Communication Engineering), Alrich Dsouza (Batch of 2024, Department of Electronics and Telecommunication Engineering), Pooja Mahankuda (Batch of 2024, Department of Electronics and Telecommunication Engineering), Neha Makkatil (Batch of 2023, Department of Electronics and Telecommunications Engineering), Ayushi Rajeshirke (Batch of 2024, Department of Electronics and Telecommunication Engineering), Manish Sonje (Batch of 2022, Department of Electronic and Telecommunication Engineering), and Atharv Petkar (Batch of 2024, Department of Electrical, Electronics and Communications Engineering).

Alumni praised the students' innovation while emphasizing the need to enhance practicality and industry relevance. Their

constructive feedback helped students bridge the gap between classroom learning and professional expectations, encouraging them to refine their technical and problem-solving skills.

Overall, Bridging Generations reinforced VESIT's commitment to fostering an environment where academics meet real-world application.



Department of Electronics and Telecommunication Faculty with Alumni at Bridging Generations

Gen AI: A New Horizon

~ Nikunja Sonawane

The Department of Artificial Intelligence and Data Science organized a workshop titled “Gen AI – A New Perspective” on 20th September 2024. The session, led by Mr. Aditya Krishnan (Senior Digital Strategist and Consultant), aimed to provide students with a comprehensive understanding of Generative AI (Gen AI) and its far-reaching impact on various industries. Over 120 students, along with two faculty members, participated in the event, gaining valuable insights into the fundamentals and future prospects of this transformative technology.

Mr. Krishnan covered the technical architecture of Gen AI, including the infrastructure, large language models (LLMs) like GPT, cloud platforms, and their application across domains such as content creation, customer service, and code generation. Key use cases were discussed, demonstrating how Gen AI is revolutionising industries through automation and innovation. The workshop also delved into the practical stages of Gen AI implementation, offering participants a roadmap from feasibility studies to full-scale

deployment.

In addition to the technology, the session addressed the ethical challenges of Gen AI, such as bias, intellectual property issues, and the environmental impact of AI models. Mr. Krishnan shared statistics that highlighted concerns around the energy consumption and carbon footprint of AI systems, particularly when training large models. The comparison between traditional search engines and AI chatbots, as well as insights into future



Speaker of the Workshop: Mr. Aditya Krishnan (Senior Digital Strategist and Consultant)

AI-powered technologies, offered participants a forward-looking view of the AI landscape.

The workshop concluded with an interactive Q&A session, where participants explored the practical applications of Gen AI in their respective fields. Overall, the event provided an in-depth perspective on how to leverage Gen AI responsibly while navigating its challenges, ensuring the technology aligns with ethical standards and sustainability goals



Mr. Krishnan demonstrating the implementation of Gen AI to the enthusiastic audience

VESIT Hosts AI Day Mumbai

~Asawari Patil

On 20th September 2024, the Department of Artificial Intelligence and Data Science in collaboration with E2E Cloud and Tech Entrepreneur Association Mumbai (TEAM), organized the "AI Day Mumbai" workshop. The event focused on exploring the potential of Infrastructure Automation and Gen-AI with an emphasis on security, ethical deployment, and business optimization. It was attended by professionals, students, and faculty eager to learn about the latest AI trends and applications.

The workshop was conducted from 10:00 AM to 1:00 PM in the VESIT Auditorium. The workshop provided valuable insights into how AI can streamline operations, automate tasks, and create scalable solutions for businesses.

The workshop featured three expert speakers. Mr. Nirnoy Chaudhuri (Head of Infrastructure & Cloud Services, NSEIT Limited) discussed Infrastructure Automation using Gen-AI, introducing tools like iMITRA and Emp-Assist to automate IT operations and optimize resource management. Mr. Abhinav Aggarwal (Co-Founder & CEO, Fluid AI) presented "May the AI be with You: Unleash

Your Enterprise's Full Potential", showcasing an AI assistant capable of real-time, multi-language query resolution, emphasizing AI's impact on customer engagement. Finally, Mr. Vaibhav Goyal (Co-Founder, Predixion AI) spoke on Building Agentic AI Workflow Applications, focusing on how AI can automate decision-making and enhance workflow efficiency across organizations.



(L-R): Mr. Nirnoy Chaudhuri (Head of Infrastructure & Cloud Services, NSEIT Limited), Mr. Abhinav Aggarwal (Co-Founder & CEO, Fluid AI), Mr. Vaibhav Goyal (Co-Founder, Predixion AI).

The event successfully demonstrated how AI can drive business innovation and operational efficiency. With 101 participants, including students, faculty, and industry professionals, the workshop provided attendees with actionable insights on integrating AI tools to improve processes, reduce bottlenecks, and enhance customer engagement. The event was coordinated by Mrs. Sangeeta Oswal (Assistant Professor, Department of Artificial Intelligence and Data Science) who played a key role in organizing and facilitating the session, ensuring the event was impactful and enriching for all participants.



Event was coordinated by Mrs. Sangeeta Oswal (Assistant Professor, Department of Artificial Intelligence and Data Science)

Innovate with Arduino

~Shruti Thakare

Tinkerer's Lab ECS VESIT, Department of Electronics and Computer Science Engineering organized 'Arduino Workshop' on 19th September 2024. The event aimed to provide participants with a detailed understanding of Arduino, its programming and explored the fundamentals of programming through hands-on projects.

In the workshop, students gained a comprehensive understanding of Arduino's hardware components, setup, and programming fundamentals. They engaged in hands-on coding experiences, where they wrote programs to control components such as LEDs and motors, witnessing their projects come to life in real-time. Through practical exercises, participants explored various electronic components, enhancing their knowledge of how each part contributes to circuit functionality.

They delved into sensor technology by working with ultrasonic and DHT11 sensors, learning to measure distance, temperature, and humidity, and integrating this real-time data into their projects for interactive applications. This immersive experience not only equipped students with essential technical skills but also fostered creativity and collaboration, as they shared ideas and troubleshooting strategies with their peers throughout the workshop.



Peers throughout the workshop.

The Arduino workshop was led by students from Tinkerer's Lab ECS VESIT, Anushri Kadam (BE-ETRX), Rishikesh Patil (TE-ETCS), Ritika Zare (TE-ETCS).



(L-R): Arduino workshop was led by students from Tinkerer's Lab ECS VESIT, Anushri Kadam (BE-ETRX), Rishikesh Patil (TE-ETCS), Ritika Zare (TE-ETCS)

GenAI Unleashed

~Preetika Khilnaney

Codecell Tinkerer's from the Department of Computer Engineering, organized a Gen AI workshop on 23rd September 2024, under the guidance of VESIT-IQAC (Internal Quality Assurance Cell) and VESIT-IIC (Institution's Innovation Council). It aimed to introduce students to Generative AI (GenAI) and its practical applications through hands-on experience. The event was orchestrated by Mr. Richard Joseph (Assistant Professor, Department of Computer Engineering) and the Codecell student team. It featured expert talks and hands-on training sessions led by two accomplished speakers: Piyush Chugeja (BE-CMPN) and Vedant Pawar (BE-CMPN), who shared their extensive expertise in AI, Machine Learning, and no-code platforms.



(L-R): Speakers Of the event- Piyush Chugeja (BE-CMPN), Vedant Pawar (BE-CMPN)

Piyush commenced the session by introducing Generative AI and its increasing applications in various industries. He then

proceeded to explain how Large Language Models (LLMs) like ChatGPT work, focusing on the use of massive datasets and neural networks for predicting words based on context. He provided an in-depth look at LLM architecture, covering components like the embedding layer, multi-head attention, and parallel token processing with transformers to improve efficiency and accuracy. He also highlighted the importance of fine-tuning LLMs for specific tasks and the computational resources needed for training. Concluding his segment, Piyush detailed the real-world applications of LLMs, such as text summarization, automated customer service chatbots, and AI-driven content creation.



Hands-on session of creating chatbots using Botpress

Following Piyush's theoretical session, Vedant led an interactive workshop on Botpress, a no-code platform that allows users to build AI chatbots without prior coding experience. He guided the participants through setting up their first

Botpress project, showing them how to create an intuitive interface and develop the chatbot's logic. Next, he explained how to deploy the constructed chatbots onto various platforms. By the end of the workshop, each participant had successfully deployed a functional McDonald's order chatbot.

With the participation of 86 students, the workshop was a resounding success. It provided participants with a strong foundation in Generative AI concepts, including an in-depth understanding of how ChatGPT operates in conversational AI. Attendees gained hands-on experience in building chatbots using no-code platforms like Botpress, showcasing how easily AI solutions can be created without extensive coding knowledge. The event significantly enhanced the technical skills of students and encouraged them to explore AI-driven problem-solving.



Coordinator of the event - Mr. Richard Joseph (Assistant Professor, Department of Computer Engineering)

Turning Ambition into Reality

~Chaitanya Moharil

On 24th September 2024, AI CoLegion VESIT hosted an insightful event, Success Diaries, which was an interactive guidance session designed meticulously to guide 2nd and 3rd-year students in navigating crucial career paths like GSoC, GATE, hackathons and placements. Held from 12:30 PM to 2:30 PM, the two-hour interactive session was attended by more than 250 participants eager to learn more from and gain valuable insights from their successful seniors who had carved out their own paths. The event featured four distinguished speakers Anurag Tripathi (BE-CMPN), Ritesh Bhalerao (BE-AIDS), Rishabh Gupta (BE-AIDS), and Shivam Gupta (BE-AIDS) who shared their personal experiences and success strategies.



Students from all years and departments engaged in the Session



(L-R): Speakers of the event with President of AI CoLegion Rishabh Gupta(BE-AIDS), Ritesh Bhalerao(BE-AIDS), Anurag Tripathi(BE-CMPN), Dyotak Kachare(BE-AIDS), Shivam Gupta(BE-AIDS)

The event provided students with valuable insights into preparing for competitive opportunities, with the speakers discussing effective strategies for excelling in GSoC, GATE, and placement processes. Hackathons were also covered in the session as two of the guest speakers were winners of Nomura KakushIN 8.0. They offered practical advice on building resumes and portfolios, emphasizing how students could stand out during interviews and secure coveted positions. The guidance went beyond theory, addressing the real-world aspects of professional growth.

An engaging Q&A session allowed students to raise concerns and seek personalized advice from the speakers, who shared their experiences and lessons learned. This interactive nature of the session ensured that students received tailored advice, giving them clarity on how to align their academic goals with their professional aspirations. The session not only provided actionable strategies but also boosted students' confidence, helping them to take proactive steps toward their career goals. Success Diaries successfully achieved its goal of offering a clear roadmap for students to navigate their academic and professional paths.



Interactive session where students asked the speakers questions about various career opportunities

IoT Synergy Hub

~Shruti Thakare

Tinkerer’s Lab ECS VESIT, Department of Electronics and Computer Science Engineering organized ‘IoT Workshop’ from 25th to 27th September 2024. The event provided students with a comprehensive learning experience on the integration of web development, real-time data handling using Firebase, and hands-on interfacing with IoT sensors. The workshop aimed to enhance students' understanding of creating interactive dashboards for real-time sensor data visualization, and API integration.

On the first day of the workshop, students were introduced to the fundamentals of web development, including HTML, CSS, and JavaScript. **Devendra Gawde (BE-ETRX)** was the speaker of the workshop. They learned how to create interactive dashboards capable of displaying real-time data. The basics of secure API communication, including encryption and data

protection, were discussed. The workshop shifted focus to Firebase, a real-time database platform ideal for managing IoT data on day two.



Students attending the workshop

The session provided an overview of Firebase’s capabilities in IoT applications, including real-time data synchronization between devices and the database. Participants learned techniques for scalable data management and how to ensure secure access through Firebase Authentication. On the

final day of the workshop, the focus shifted to core IoT components, particularly sensor interfacing and data transmission to the previously built web dashboard. By the end of the session, participants successfully interfaced sensors, transmitted data, and resolved issues through troubleshooting and debugging.



Devendra Gawde (BE-ETRX) conducting the workshop

DSA Accelerator Bootcamp

~Harshita Sewani

The DSA Bootcamp, organized by CodeCell Tinker’s of the Computer Department, was held from September 27 to October 4, 2024. Supported by the VESIT Institution’s Innovation Council (IIC) and the Internal Quality Assurance Cell (IQAC), the event provided a valuable platform for students to deepen their knowledge of Data Structures and Algorithms (DSA). Aimed at enhancing coding skills and problem-solving abilities, the bootcamp featured interactive sessions and hands-on contests, catering to those interested in competitive programming.

The program included insights from notable speakers from industry and academia. Week 1 began with **Mr. Sadhak Kumar (BE-CMPN, Flutter and Web Developer)**, who demonstrated the application of DSA in real-world scenarios using arrays. Sessions on LeetCode problems, renowned for their relevance in technical interviews, set a strong foundation. **Mr. Chinmay Desai (TE-CMPN, Senior Tech Manager, CodeCell)** and **Mr. Sahil Tanwani (SE-CMPN, Junior Tech Manager, CodeCell)** led sessions on searching and sorting algorithms, respectively, fostering collaborative learning. In Week 2, participants delved deeper

into advanced data structures under the guidance of **Mr. Pankaj Gupta (SE-CMPN, Junior Tech Manager, CodeCell)**, **Mr. Piyush Chugeja (BE-CMPN, Ex-Barclays Summer Intern, Senior Tech Manager, CodeCell)**, and **Mr. Jai Bhatia (SE-CMPN, Junior Design Manager, CodeCell)**, who covered stacks, queues, and linked lists, respectively. The bootcamp emphasized practical application through competitive contests designed to simulate real-world coding challenges. These activities significantly boosted participants' confidence and problem-solving abilities, which



Speakers (L-R): Mr. Sadhak Kumar (BE-CMPN), Mr. Sahil Tanwani (SE-CMPN), Mr. Pankaj Gupta (SE-CMPN), Mr. Piyush Chugeja (BE-CMPN) and Mr. Jai Bhatia (SE-CMPN)

are critical for technical interviews and software development roles. Additionally, the event facilitated networking opportunities, fostering connections among students and professionals, and cultivating a collaborative learning community. With 85 participants, the DSA Bootcamp exemplified CodeCell’s commitment to advancing the educational experience of computer engineering students. The skills and knowledge acquired during this event will undoubtedly support participants in their academic and professional journeys in the technology sector.



Mr. Chinmay Desai (Senior Tech Manager, CodeCell) diving into concepts of DSA

Hands-on PCB Workshop

~Shruti Thakare

Tinkerer’s Lab ECS VESIT, Department of Electronics and Computer Science Engineering organized ‘Electronics Workshop ‘24’ on the 8th and 9th of August, 2024. This workshop was a part of the lab's initiative to enhance students' practical knowledge of electronics and empower them with the skills required for real-world applications. The event aimed to provide participants with a detailed understanding of Eagle Software, electronics circuits and the designing and working of a PCB Circuit.

The students were given a hands-on experience of designing and assembling a circuit on PCB board during the workshop by the speaker **Mr. Yogesh Pandit (Assistant Professor, Department of Electronics and Computer Science)**, where all the

components were provided by the Tinkerer’s Lab.



Speaker of the event - Mr. Yogesh Pandit (Assistant Professor, Department of Electronics and Computer Science)

The workshop received overwhelmingly positive feedback from the participants as it provided participants with a valuable opportunity to learn about the electronics circuits. Due to the

success of this workshop, the Tinkerers Lab and Department of Electronics and Computer Science plan to organize more workshops on related topics, catering to different levels of expertise.



Yash Kurade (BE-ETRX) conducting the Electronics Workshop

Dynamic Web Animations

~ Priyanka Tiwari

ISA-VESIT on 27th July 2024 organized an online Google Meet session on “Web Animations with CSS and JS.” The workshop was designed to enhance participant’s skills in web development by demonstrating various animation techniques that can be applied to web content.

The workshop commenced with an introduction to CSS animations. Mahvish Siddiqui (TE-INFT) provided a comprehensive overview of how CSS can create engaging animations on web pages. The session covered Moving Arrow Animation, Mechanical Movement Simulation, Text Slide-In Effects, and Cursor Hover Effects.

Following the CSS animations segment, the workshop featured an engaging quiz consisting of 10 questions. This interactive segment was well-received, adding an element of fun and participation. The quiz provided a lively break and further reinforced the concepts covered.

The workshop then transitioned to JavaScript animations, showcasing advanced techniques like Dynamic Text Displays, Pulse Effect Moving Circles, Blinking Cursor Effects, and Reveal Effects. The workshop was highly interactive, with participants showing great enthusiasm and attentiveness. The hands-on demonstrations and engaging quiz contributed to a lively and effective learning environment.



Photo of the session

The workshop successfully provided

participants with a robust understanding of both CSS and JavaScript animations. Mahvish Siddiqui’s clear explanations and practical examples equipped attendees with the skills necessary to enhance their web projects with dynamic animations. Overall, the event was a clear success, meeting its objective of educating participants on creating engaging web content.



Speaker of the event - Mahvish Siddiqui (TE-INFT)

3D Design Mastery

~Rohil Gujarathi

ISA-VESIT hosted an engaging "3D Modelling Workshop" on August 1st and 2nd, 2024, at room B42, aimed at equipping participants with essential 3D modelling techniques. Led by Kaustubh Nataalkar (TE- EXTC, Junior Technical Officer at ISA VESIT), the workshop offered an interactive and hands-on learning experience, covering a wide range of topics from fundamental concepts to advanced modelling methods.

The first day introduced participants to the basics of 3D modelling, including its principles and real-world applications. Kaustubh provided an overview of essential techniques before guiding attendees through a hands-on session where they designed a Raspberry Pi case using Fusion 360. This practical exercise helped participants understand the foundations of 3D modelling. On the second day, the focus shifted to advanced techniques. Participants learned detailed methods

for creating complex shapes and structures, culminating in the design of a rover using Fusion 360. The interactive nature of the session allowed attendees to receive real-time guidance and feedback from the instructor, enhancing their understanding of intricate modelling processes.

The workshop provided numerous benefits, teaching participants to translate creative concepts from paper to digital 3D models—a vital skill for innovation and rapid prototyping. Attendees



Speaker of the Workshop-Kaustubh Nataalkar (TE- EXTC)

gained valuable insights into using Fusion 360 to create custom parts for diverse projects. The council members ensured a smooth learning experience by addressing all doubts and queries promptly.

The workshop received glowing feedback from attendees, who appreciated the comprehensive approach, interactive sessions, and opportunity to work on sample projects. With its focus on creativity, innovation, and practical application, the workshop was a resounding success.



Students attending the Workshop

Code to Crypto: Chrome Extensions Workshop

~Arpita Yaligeti

Organized by IEEE-VESIT, the Crypto Chrome Workshop on 'Chrome Extensions with a Focus on Cryptocurrencies' took place on the 13th of August 2024, from 3:00 PM to 4:30 PM in Room B51. Designed as an entry point for beginners, the workshop offered participants a unique opportunity to explore the exciting field of Chrome extension development while delving into cryptocurrency applications. Meticulously structured to provide practical insights, the event guided attendees step-by-step through creating their own Chrome extensions, empowering them with the skills to innovate and build in this rapidly evolving domain.

The workshop commenced with an insightful session by Piyush Pandey (TE- EXTC) who provided a comprehensive introduction to the workshop's objectives and the basics of Chrome extensions. He set the stage for the attendees to dive deeper into the technical aspects of extension development.

The second session was led by Arnav Sawant (TE-INFT), where he covered the essential concepts needed to understand the working of Chrome extensions. This was followed by a

practical coding session on HTML and CSS, helmed by Pratham Matkar (TE-AIDS), where students learned how to structure and design the user interface of the extension.



(L-R): Speakers of the Workshop for session 1 and 2 - Piyush Pandey (TE- EXTC), Arnav Sawant (TE-INFT)

The final segment of the workshop featured Shantanu Bhosale (TE-CMPN), who guided participants through the coding and implementation of JavaScript and Manifest files—the backbone of any Chrome extension. His demonstration offered participants valuable insights into the functional aspects of extension development.

A total of 21 participants, ranging from

novices to those with some prior knowledge of coding, attended this beginner-friendly workshop. They not only learned the theory behind Chrome extensions but also had the opportunity to work on a hands-on project. The practical approach allowed them to design and implement a simple extension, providing real-world experience and the confidence to build more complex extensions in the future.



(L-R): Speakers of the Workshop for last sessions - Pratham Matkar (TE-AIDS), Shantanu Bhosale (TE-CMPN)

The workshop was a resounding success, giving students an exciting glimpse into the intersection of web development and cryptocurrency technology.

Transforming Ideas into Games

~Chaitanya Moharil

The **Unicode the Chase** workshop, hosted by ISTE-VESIT on **20th August and 21st August, 2024**, introduced participants to the exciting world of **game development** without the need for coding skills. Held at B52 from **2:30pm - 5:30pm**, this two-day event provided hands-on learning with **GDevelop**, a platform that allows users to create fully functional multiplayer games. Over **52 participants** joined the workshop to develop a car-racing game, where players race while being chased by police and collect coins.



(Top-Bottom, L-R): Speakers and Hosts of the Workshop (L-R): Sushant Tulasi (TE-INFT), Dhairiyash Jain (TE-INFT), Aryan Kate (TE-AIDS), Aditya Mhatre(TE-AIDS), Swati Dubey (TE-AIDS), Joanna Sanju(TE-ETCS), Krish Salvi(TE-AURO).

The speakers for the workshop were **Sushant Tulasi** (TE-INFT), **Dhairiyash Jain** (TE-INFT) and **Aryan Kate** (TE-AIDS) whereas it was hosted by **Aditya Mhatre** (TE-AIDS), **Swati Dubey** (TE-AIDS), **Joanna Sanju** (TE-ETCS) and **Krish Salvi** (TE-AURO). Day 1 focused on the fundamentals followed by designing game maps and environments. Instructors emphasized the importance of a well-structured game foundation, encouraging participants to be creative with their designs. By the end of the day, attendees were equipped with the skills to create their own game world.



Glimpse of the workshop where the participants were guided to build the foundation of the game

On Day 2, the focus shifted to game mechanics, including physics, motion, and character creation. Participants also learned how to implement multiplayer features, enabling players to compete against each other in real-time. This interactive aspect added excitement, as participants could test their creations and challenge their peers. A quiz at the end tested their understanding, with winners receiving prizes. The workshop received positive feedback for its step-by-step guidance and engaging approach, with participants leaving confident in their newfound game development skills. This event successfully demonstrated that game development can be fun and accessible, even without coding expertise, leaving attendees excited to explore more.



(L-R): Distribution of prizes for quiz winners Molly Dembla (SE-CMPN) and Rutuja Bhalekar (SE-EXTC)

UInnovate

~ Nikunja Sonawane

ISTE-VESIT held a **hands-on workshop on User Interface (UI) and User Experience (UX) design** for beginners on the **21st and 22nd of August 2024**. Conducted in Room B62, the event aimed to introduce 29 participants to UI/UX design basics through interactive sessions and practical learning. Over two days, the workshop provided attendees with the opportunity to understand key design principles and apply them in a real-world project.

On Day 1, **Reet Sharma** (TE-AIDS), began the session with an engaging introduction to UI/UX, discussing how thoughtful interface design directly impacts user experience. The second session, led by **Rakshit Sharma** (TE-INFT), focused on logo and splash screen design, demonstrating the significance of visual elements in creating an appealing user interface. These initial sessions provided participants with a solid foundation in UI/UX concepts.

Day 2 saw a more in-depth exploration of web design components. **Anjali Thakrani** (TE-CMPN) covered login and form page design, guiding participants in creating essential web pages. **Aditi Dubey** (TE-CMPN) followed with a session

on toggling between light and dark modes, along with designing landing pages, crucial elements in enhancing user interaction. The final session, led by **Arnav Sawant** (TE-INFT), delved into profile page design in dark mode, giving the project a modern, sleek appearance.



(L-R): Speaker of the Workshop for Day 1: Rakshit Sharma (TE-INFT), and Reet Sharma (TE-AIDS)

The workshop culminated in a hands-on project where participants designed an e-commerce website featuring animations and other interactive elements. By the end of the workshop, students had developed a strong grasp of basic UI/UX principles

and walked away with practical skills in creating user-friendly and visually appealing web designs.



(L-R): Speaker of the Workshop for Day 2: Anjali Thakrani (TE-CMPN), Aditi Dubey (TE-CMPN), and Arnav Sawant (TE-INFT)



Council members solving doubts

Build Your Beast

~Rohil Gujarathi

The workshop on PC building techniques, held on September 12th and 13th, 2024, in room B22, offered an immersive and hands-on learning experience for students passionate about technology. **Sponsored by HP Omen**, the event was designed to provide participants with a comprehensive understanding of the components and configurations required to assemble a fully functional custom-built PC. With an emphasis on practicality and customization, the workshop catered to the diverse needs of tech enthusiasts.



Session on CPUs being conducted

Participants gained detailed insights into the roles and compatibility of PC components, along

with best practices for creating systems tailored to individual performance requirements. The sessions provided a structured approach to understanding how different hardware elements function together and how to optimize their integration for various applications.

The workshop featured engaging presentations by expert speakers. introduced the audience to the intricacies of GPUs, while **Piyush Pandey** (TE-EXTC) provided an overview of CPUs and other key components. **Shantanu Bhosale** (TE-CMPN) covered the basics of PC assembly,

and **Tanay Baisware** (TE-AURO) delved into memory and storage technologies. Each session added unique perspectives, offering participants a well-rounded understanding of PC architecture.

Adding an element of excitement, the workshop included a contest where attendees could demonstrate their newfound knowledge and assembly skills. The competition, featuring a prize pool of Rupees 1500, was met with great enthusiasm and showcased the participants' creativity and

technical abilities.

With **50 attendees**, the event proved to be a significant success, leaving students equipped with valuable knowledge about hardware integration and system optimization. The workshop not only empowered participants with practical skills but also inspired them to explore the possibilities of custom PC building. Events like these play a crucial role in evolving world of technology.



L-R): Speakers of the Workshop - Piyush Pandey (TE- EXTC), Pranay Baisware (TE-AURO), and Shantanu Bhosale (TE-CMPN)

Digital Logic Unveiled

~Rohil Gujarathi

ISA-VESIT hosted a two-day workshop titled **Digital Designing with Verilog on September 14th and 15th, 2024**, via **Google Meet**. Led by **Gautam Singh** (TE-EXTC), the workshop introduced participants to Verilog, a powerful hardware description language (HDL) for digital design,withafocusonFPGA-basedimplementation.

The workshop began with an introduction to Verilog and its role in digital circuit design. Gautam demonstrated creating basic logic gates such as AND, OR, NOT, NOR, NAND, XOR, and XNOR, which were used to build a module named "all_gates" for simulating logic operations. Emphasis was placed on behavioral simulation and testbench creation to verify design functionality.

As the session advanced, participants explored designing an adder circuit that sums three binary digits and outputs a sum and carry. Gautam

explained the role of full adders in arithmetic operations and guided attendees through RTL code and testbench simulations. Multiplexers were also covered, showcasing their role in routing data and their implementation in Verilog.



Speaker of the Session - Gautam Singh(TE-EXTC)

On the second day, participants learned to

design D flip-flops and registers, key components in digital storage and processing. Gautam highlighted edge-triggering for data storage and guided simulations to observe behavior under various clock conditions. The workshop concluded with an introduction to FPGA design using Xilinx Vivado, including writing Verilog code and synthesizing it into a bitstream for implementation.

The workshop was a resounding success, offering participants hands-on experience and a strong foundation in Verilog. Covering topics from basic gates to FPGA implementation.

The workshop received glowing feedback from attendees, who appreciated the comprehensive approach, interactive sessions, and opportunity to work on sample projects. With its focus on innovation, and practical application, leaving participants inspired and equipped to explore 3D modelling.

D-Ace-A: Mastering DSA

~Priyanka Tiwari

ISTE VESIT on **20th September 2024** organized an offline guidance session which was Open For All, centered around exploring the world of DSA. This session was planned with the goal of **introducing the concepts of DSA** to the participants and giving them a proper Roadmap to start their journey.

The session was held at two venues B51 and B52 at the same time, the speakers and host for B51 were **Piyush Tilokani (BE-INFT, Sr. Graphics Officer, ISTE)**, **Rishabh Gupta (BE-AIDS, Sr. Technical Officer, ISTE)** and **Krish Salvi (TE-AURO, Jr Public Relations Officer, ISTE)** respectively whereas for B52 the speaker and host were **Shashwat Tripathi (BE-INFT, Chairperson,ISTE)** and **Joanna Sanju (TE-ETCS, Jr Public Relations Officer, ISTE)** respectively.

The session kicked off with an introduction to the fundamental concepts of DSA, students were asked to guess the type of data structures or the operation performed on a data structure by various social media platforms. The speakers then gave a short explanation for every question.

To wrap up the session, a short, fun quiz was conducted to assess the participants' understanding of the material covered. The quiz was both engaging and educational, and winners were rewarded with special goodies, adding an element of excitement to

the conclusion of the event.

After the session, a DSA test series was conducted on the 21st and 22nd of September on the Unstop platform. The test series catered to different experience levels, offering beginner-friendly questions with separate tracks for second-year and third-year students. This ensured that students at different stages of learning had the chance to participate and grow. The test included an MCQ Test which focused on theoretical understanding of data structures and algorithms and a Coding Test which challenged participants to implement solutions, testing their hands-on coding abilities.



Students attending an exclusively designed roadmap for the participants to "Ace DSA"

Overall, "D-Ace-A" was a resounding success,

in promoting a competitive yet inclusive learning environment and providing students with valuable resources to boost their interview readiness."D-ACE-A" was able to provide a meaningful and impactful learning experience for all.



(Top-Bottom, L-R): Speakers of the Workshop: Shashwat Tripathi (BE-INFT, Chairperson, ISTE) and Piyush Tilokani (BE-INFT, Sr Graphics Officer, ISTE), Rishabh Gupta (BE-AIDS, Sr. Technical Officer, ISTE) and Krish Salvi (TE-AURO,Jr Public Relations Officer, ISTE), Joanna Sanju (TE-ETCS, Jr Public Relations Officer, ISTE)

CareerX: Future Unlocked

~Tejasvini Bachhav

On 20th September 2024, the Computer Society of India (CSI) - VESIT organized CareerX, an empowering seminar designed to equip students with the tools to excel in placements, internships, and hackathons. The event, held in a packed lecture hall filled with eager students, featured three accomplished speakers who shared their personal journeys and professional achievements, offering invaluable insights and actionable strategies for success.



Students attending the seminar

The seminar commenced with students registering and settling in for an afternoon filled with practical advice on career planning. **Abhishek Upadhyay**, a specialist in competitive programming and a five-time hackathon winner, opened the session by discussing his experiences with **Deutsche Bank internships, JP Morgan hackathon finals, and the ICPC Regionals**. His talk emphasized the significance of cultivating a problem-solving

mindset and excelling in platforms like Codeforces to stand out in hackathons and coding challenges.



Speakers of the event addressing the students

Next, **Siddhi Bhogale** (BE-INFT), placed at ISS and known for being the Times of India's 'Student of the Year,' provided insights into placements and internships. Drawing from her experience at **Prakash Interior** and notable achievements at hackathons like **Invictus and Ideathon BITS GOA x Nomura**, she stressed the importance of persistence, networking, and gaining practical experience through internships to boost career prospects.

The final speaker, **Anagha Kulkarni** (BE-CMPN), highlighted the value of multi-disciplinary skills. Placed at **Barclays Technology**, she shared her journey from being a summer intern at Barclays to leading web development at GDSC VESIT. Anagha also discussed her work at **TIFR** and her role as a **Django developer at Leaptech**,

encouraging students to develop versatile skill sets to thrive in the competitive job market.

Throughout the seminar, speakers underscored the importance of building strong technical skills, participating in hackathons, and networking to create a robust portfolio. They also highlighted the critical role of perseverance and multi-disciplinary abilities in navigating the fast-paced tech industry.

The seminar concluded with a renewed sense of motivation among students, eager to implement the strategies shared by the speakers. CareerX was a resounding success, offering students both practical advice and inspiration to shape their professional journeys with confidence.



(L-R): Speakers of the event - Siddhi Bhongale (BE-CMPN), Anagha Kulkarni (BE-CMPN), Abhishek Upadhyay

INDUSTRIAL VISIT

Orbiting Telecom Insights

~Saniya Kadam

The Department of Electronics & Computer Science organized a field visit to the BSNL Satellite Earth Centre on August 2nd, 2024, for students and faculty members. Coordinated by **Dr.(Mrs.) Rajani Mangala** (Professor, Department of Electronics and Computer Science), **Dr.(Mrs.) Asawari Dudwadkar** (Assistant Professor, Department of Electronics and Computer Science), **Dr. Naveeta Kant** (Deputy Head, Department of Electronics and Computer Science), and **Mrs. Amrita Jhaveri** (Assistant Professor, Department of Electronics and Computer Science), the visit aimed to provide practical insights into satellite communication technologies and operations.

With a total of **51 students** and **4 faculty members** in attendance, the visit commenced around 10 am. **Mr. Swarnil Patel** (JTO BSNL), delivered an informative session on satellite communication, covering the basics such as types of satellites (LEO, MEO, GEO), uplink and downlink frequency transmissions, and the C band frequency range (4-8 GHz). The session included a detailed explanation of the signal transmission process from switches to antennas, satellites, and receiving antennas. Participants learned about the BSNL centre's infrastructure, including antennas for GSAT 16, GSAT 18, and IPSTAR.

Following the lecture, students were divided into two groups. One group, guided by **Mr. Patel**, explored the antennas, solar panels, and control room, while the other visited the server room. The groups later swapped locations. Mr. Patel demonstrated the GSAT 18 antenna's uplink and downlink capabilities, highlighting its rotation mechanism for communication with Port Blair. The group also observed the GSAT 16 and IPSTAR antennas, the VSAT with its frequency beams, and the historical antennas used during the Madras floods in 2004.



Introduction session by Mr. Swarnil Patel (JTO BSNL)

Students were introduced to various technical aspects such as radar cutoff frequency through engaging stories. The visit included a thorough overview of the transmission system

responsible for data encoding and decoding, and network monitoring, demonstrating how data is transmitted via VSAT to remote locations. The visit concluded with an interactive feedback session where students shared their experiences.

Overall, the visit provided valuable hands-on experience and deepened participants' understanding of satellite telecommunication, bridging the gap between theoretical knowledge and practical application in the industry.



(L-R): Co-ordinators of the Field Visit Dr Rajani Mangala(Professor,Department of Electronics and Computer Engineering) and Dr.Asawari Dudwadkar(Assistant Professor,Department of Electronics and Computer Engineering), Dr. Naveeta Kant (Deputy Head, Department of Electronics and Computer Science), and Mrs. Amrita Jhaveri (Assistant Professor, Department of Electronics and Computer Science)

AURO Students Visit Chino Corporation

~ Tejaswini Bachav

On 25th September 2024, the Institution's Innovation Council (IIC) of VESIT organized an Industrial Visit to Chino Corporation India Pvt. Ltd., Navi Mumbai, for third-year students of the Automation and Robotics branch. The visit aimed to provide students with practical exposure to the latest advancements in temperature sensors, instrumentation technologies, and emerging trends in IoT and automation, enhancing their understanding of theoretical concepts through real-world applications.



Inauguration speech by Mr. Shrinivas Reddy (Commercial Manager, Chino Corporation India Pvt. Ltd)

The visit began at 9:30 AM with a warm welcome by the Chino Corporation team. The session commenced with a presentation by Mr. Shrinivas Reddy (Commercial Manager, Chino Corporation India Pvt. Ltd), a veteran with over 22 years of experience. His insightful talk introduced the students to Chino Corporation's history, which began in 1913 in Japan, and its

global presence across industries like power generation, automobiles, and chemicals. He also highlighted the concept of "Kaizen"—continuous improvement and its five pillars: Sort, Set in Order, Shine, Standardize, and Sustain.

Following the presentation, students were divided into groups to explore various company sections. On the third floor, they observed the manufacturing and functionality of recorders, including analog, microprocessor-based, and chartless types, used for real-time thermocouple and RTD readings. The Yokogawa CA500 Multifunction Process Calibrator was demonstrated for generating 4-20 mA signals, and thyristors for maintaining constant heater coil temperatures using PID action



Veterans from Chino Corporation India Pvt. Ltd from the giving knowledge on temperature sensors.

were explained. On the ground floor, guided by Ms. Dhanashree, students witnessed calibration processes for instruments such as IR pyrometers, black body furnaces, and water and oil baths. The calibration techniques, which involved terms like UUC (Unit Under Calibration), master, and source, provided a hands-on learning experience.

The visit also included an in-depth look at RTD and thermocouple manufacturing. Students observed silver brazing of RTDs using isopropyl gas and flux, along with the assembly processes explained by Mr. Manoj and Mr. Vijay. The manufacturing insights and practical demonstrations gave students a holistic understanding of sensor technologies.

The visit concluded with a vote of thanks by Mr. Shrinivas Reddy and student feedback, including a heartfelt acknowledgment by Krish Shah and Vedant Sawant. Dr. Nilima Warke, the organizer and coordinator of the event, expressed her gratitude to the Chino Corporation team for providing students with such a valuable learning



Students along with Dr. Nilima Warke (Associate Professor, Department of Instrumentation Engineering) and Chino Corporation team

Bridging Theory and Practice

~Chaitanya Moharil

On 16th August 2024, the Department of Artificial Intelligence and Data Science, in association with IIC VESIT and the Internal Quality Assurance Cell (IQAC), organised an enlightening industrial visit to the MTNL office in Powai. This 5-hour visit, dedicated to bridging the gap between classroom learning and practical exposure, was specially arranged for third-year Artificial Intelligence and Data Science students, with 124 students and 2 faculty members in attendance. The faculty coordinators for the event were Mr. Ajinkya Valanjoo (Assistant Professor, Department of Artificial Intelligence and Data Science) and Mrs. Sangeeta Oswal (Assistant Professor, Department of Artificial Intelligence and Data Science).



Senior Telecomm Engineer at MTNL Mr. Sudhanshu Mishra in conversation with the Third Year Students of Artificial Intelligence and Data Science Department

Guided by MTNL's senior telecom engineers—Mr. Sudhanshu Mishra, Mr. Deonath Mishra, and Mr. Madhu Mohan—the students were introduced to key concepts in telecommunications. The engineers explained the evolution of mobile technology from 2G to 5G, covering critical network components like Base Station Controllers (BSC) and Mobile Switching Centers (MSC), which are essential for smooth cellular communication. Students also learned about MTNL's landline infrastructure, including fibre-optic and copper-wire systems, and were given an overview of the broadband and internet services that MTNL provides.



MTNL's Senior Telecomm Engineer during the explanation of a network component

This visit allowed students to connect their theoretical knowledge with real-world applications, particularly in design thinking and critical analysis. The experience deepened their understanding of telecom systems and gave them a practical perspective on the industry's operational challenges and technological advancements. The visit proved to be a great learning experience for the students and was not only a stepping stone in the students' professional journey but also a chance to see firsthand how the industry actually works.



Faculty Coordinators of the Industrial Visit Mrs. Sangeeta Oswal (Assistant Professor, Department of Artificial Intelligence and Data Science) and Mr. Ajinkya Valanjoo (Assistant Professor, Department of Artificial Intelligence and Data Science) with the Students

Doordarshan Insights: EXTC's Visit

~Arpita Yaligeti

In a bid to connect academic concepts with practical experience, the Department of Electronics and Telecommunication Engineering orchestrated an insightful industrial visit to **Doordarshan Kendra, Worli, Mumbai**. Spanning two days, on **August 22nd and 23rd, 2024**, this visit was crafted to offer third-year students a deep dive into the broadcasting industry, complementing their theoretical studies on analog-digital communication systems and signal processing. The visit was coordinated by **Dr. Ranjan Bala Jain** (Professor, Department of Electronics and Telecommunication Engineering), **Dr. Rasika Naik** (Assistant Professor, Department of Electronics and Telecommunication Engineering), **Dr. Shobhit Khandare** (Assistant Professor, Department of Electronics and Telecommunication Engineering), and **Mr. Gaurav Tawde** (Assistant Professor, Department of Electronics and Telecommunication Engineering).

The event, which involved 74 students and 4 faculty members, aimed to provide a tangible understanding of how the principles learned in classrooms are applied in a real-world broadcasting environment. By immersing themselves in the operations of a major broadcasting center, students gained invaluable practical insights into the industry.

Throughout the visit, students engaged with the seasoned professionals at Doordarshan Kendra, including coordinators and trainers who offered a comprehensive overview of broadcasting technologies and workflows. The tour included explorations of key facilities such as the A1 Studio, renowned for its advanced equipment including a 6-camera setup and 5.1 Dolby Atmos sound system, and the Central Apparatus Room (CAR), which serves as the

hub for managing audio and video signals. The students also visited the Playback Room, where they observed the evolution from analog to digital recording systems, and the Master Switching Room (MSR), which plays a pivotal role in coordinating broadcast signals. Additionally, the Transmitter and Antenna Rooms provided insight into the final stages of content distribution, highlighting the technology that ensures signals reach audiences across the country.



3rd year students from Department of Electronics and Telecommunications Enginnering visit at Doordarshan Kendra

One of the key aspects of the visit was understanding the stringent safety and quality protocols that govern broadcasting operations. Students learned about the comprehensive measures in place to ensure the reliability and integrity of broadcast content, emphasizing the importance of maintaining high standards in their future careers.

As the visit wrapped up, students came away with a deeper appreciation for the complexities of the broadcasting industry. The experience bridged the gap between their academic learning and practical application, offering a clearer view of how broadcasting technologies and systems operate in a real-world context. This exposure not only enhanced their technical knowledge

but also fuelled their interest in pursuing careers in telecommunications and broadcasting. The visit to Doordarshan Kendra was a valuable educational opportunity, equipping the EXTC students with practical insights and a broader perspective on their field of study. This experience is expected to have a lasting impact on their academic and professional journeys, shaping their future endeavours in the dynamic world of broadcasting technology.



(L-R): Coordinators of the visit - **Dr. Ranjan Bala Jain** (Professor, Department of Electronics and Telecommunication Engineering), **Dr. Rasika Naik** (Assistant Professor, Department of Electronics and Telecommunication Engineering), **Dr. Shobhit Khandare** (Assistant Professor, Department of Electronics and Telecommunication Engineering), and **Mr. Gaurav Tawde** (Assistant Professor, Department of Electronics and Telecommunication Engineering)

Tech Innovation at Reliance Corporate Park

~Chirag Pedamkar

On 7th August 2024, the Department of Computer Science Engineering, VESIT organized an **Industrial Visit** of 15 students, accompanied by **Mrs. Yuggchaya Dhote** (Assistant Professor, Department of Computer Engineering) and **Mrs. Prerna Solanki** (Assistant Professor, Department of Computer Engineering) who visited Reliance Corporate Park, organized by Professors **Dr. Nupur Giri** (Head, Department of Computer Engineering) and **Mrs. Pooja Nagdev** (Assistant Professor, Department of Computer Engineering). The visit aimed to explore 5G technology and its applications across various sectors. Guided by **Manager Rukmanna Kharatmol**, the group toured Reliance's cutting-edge **Jio True 5G lab**, pivotal in research and development, testing, and refining 5G solutions.



Mr. Rukamana Kharatmol (Manager, JIO) explaining the students about the Server



(L-R): Coordinators of the event - **Dr. Nupur Giri** (Head, Department of Computer Engineering), **Mrs. Pooja Nagdev** (Assistant Professor, Department of Computer Engineering), **Mrs. Yuggchaya Dhote** (Assistant Professor, Department of Computer Engineering) and **Mrs. Prerna Solanki** (Assistant Professor, Department of Computer Engineering)

The visit showcased 5G's transformative impact. In healthcare, real-time patient monitoring and remote consultations demonstrated enhanced medical accessibility. Industrial applications included AR and VR for remote collaborations and 5G-enabled load carriers optimizing logistics. The

group also explored a fully 5G-enabled smart home setup, disaster management vans with satellite connectivity, and transportation solutions like real-time vehicle monitoring.

Additionally, 5G's role in agriculture, such as livestock monitoring via sensory belts, illustrated its broad potential. The tour highlighted Jio Bharat, an affordable 4G phone bridging the digital divide with UPI payments, entertainment platforms, and widespread connectivity. The visit underscored 5G's potential to revolutionize industries and daily life, offering students valuable insights into its applications and impact. The students expressed gratitude to their professors and Mr. Kharatmol for facilitating an informative and inspiring experience.



Students with the host of Industrial Visit at Jio True 5G Lab.

Satellite Communication Insights

~Saniya Kadam

The Department of Computer Engineering organized a field visit to the BSNL Satellite Earth Station from September 18th to 20th, 2024, for students and faculty members. The visit was coordinated by Dr. Gresha Bhatia (Head, Department of Computer Engineering), Dr. Sharmila Sengupta (Associate Professor, Department of Computer Engineering), Dr. Veena Trivedi (Assistant Professor, Department of Computer Engineering), Dr. Priya R.L. (Assistant Professor, Department of Computer Engineering), Mrs. Priyanka Shah (Assistant Professor, Department of Computer Engineering), Mrs. Rupali Hande (Assistant Professor, Department of Computer Engineering), Mrs. Sujata Khandaskar (Associate Professor, Department of Computer Engineering), Mrs. Pallavi Gangurde (Assistant Professor, Department of Computer Engineering), Mrs. Manisha Mathur (Assistant Professor, Department of Computer Engineering), Mrs. Priti Joshi (Assistant Professor, Department of Computer Engineering) serving as the IV Incharge.

A total of 148 students from the second and third years, along with 11 faculty members, attended the visit. Each day began at 9 am, where Mr. Arjun Mehta (Project Manager, BSNL) delivered an informative session on satellite communication. He covered fundamental topics such as types of satellites (LEO, MEO, GEO), frequency bands used in satellite communication, and the crucial role satellites play in global connectivity. The session included a detailed explanation of the signal transmission process, illustrating how signals travel from ground stations to satellites and back.

Following the lecture, students were divided into two groups. One group, guided by Mr. Mehta, explored the solar panel installations and

wind turbine models, while the other group visited the control room and satellite tracking facilities. The groups later swapped locations to ensure comprehensive exposure to all aspects of the earth station. Mr. Mehta demonstrated the capabilities of the satellite tracking systems and highlighted the technologies that enable efficient communication.



(L-R):InchargesofIndustrialVisit-Dr.GreshaBhatia(Head,DepartmentofComputerEngineering), Dr. Sharmila Sengupta (Associate Professor, Department of Computer Engineering), Dr. Veena Trivedi (Assistant Professor, Department of Computer Engineering), Mrs. Sujata Khandaskar (Associate Professor, Department of Computer Engineering), Mrs. Pallavi Gangurde (Assistant Professor, Department of Computer Engineering), Mrs. Manisha Mathur (Assistant Professor, Department of Computer Engineering)

Students were introduced to various technical aspects, including data encoding, transmission protocols, and the importance of antennas and transceivers in satellite communication. The visit provided a thorough

overview of the earth station’s infrastructure, showcasing how data is transmitted via satellite links to remote locations.

The speakers for the visit included Mr. Arjun Mehta, Mr. Satyaram Patel (JW, O/o Divisional Engineer), and Mr. Mahesh Shinde (IPSTAR Tech Support). The visit concluded with an interactive feedback session where students shared their experiences and insights gained from the tour. Overall, the visit provided valuable hands-on experience and deepened participants understanding of satellite communication, effectively bridging the gap between theoretical knowledge and practical application in the industry.



(L-R): Speakers of the workshop - Dr. Priya R.L. (Assistant Professor, Department of Computer Engineering), Mrs. Priyanka Shah (Assistant Professor, Department of Computer Engineering), Mrs. Rupali Hande (Assistant Professor, Department of Computer Engineering), and Mrs. Priti Joshi (Assistant Professor, Department of Computer Engineering)

Telecommunication Sector Insights

~Priyanka Tiwari

An industry visit to CETTM MTNL, Powai, Mumbai, was organized for the SE students by the Department of Information Technology on 22nd February 2024. Many students and faculty members visited CETTM MTNL to interact with telecommunication industry delegates. The visit was coordinated by Mrs. Sneha Pakle (Assistant Professor, Department of Information Technology), Mrs. Anushree Prabhu (Assistant Professor, Department of Information Technology), and Mrs. Vinita Mishra (Assistant Professor, Department of Information Technology).



Mrs. Sneha Pakle (Assistant Professor, Department of Information Technology) greeted by members from CETTM MTNL

The main objective of the visit was to introduce students to the practical applications of telecom technologies, providing them exposure to real-world telecom infrastructure, systems, and the latest advancements in the field. The students had

the opportunity to engage with industry experts, understand technological innovations, and gain insights into various telecommunication concepts.



Mrs. Anushree Prabhu (Assistant Professor, Department of Information Technology) greeted by members from CETTM MTNL



Dr. Vinita Mishra (Assistant Professor, Department of Information Technology) greeted by members from CETTM MTNL

The visit was divided into four main sessions, each focusing on different aspects of telecom technology. The students were introduced to key concepts, including Local Telephone Exchange, Broadband – DSLAM, PCM/OFC/DWDM, BTS – GSM System, MDF, Battery Power Plant, and the NIB cloud unit (Mumbai Zone).

Overall, the visit to CETTM MTNL, Powai, was an enriching experience that offered students valuable hands-on knowledge about the telecommunications industry. Through direct interaction with industry professionals and exposure to cutting-edge telecom technologies, students gained a deeper understanding of the field. The sessions provided a comprehensive overview of current innovations and future trends in telecommunications.



Faculty and students at the Industrial Visit along with the faculty members

IGNITING THE ENTREPRENEURSHIP SPIRIT

Empowering Innovation

~Mahek Ahuja

On July 30, 2024, Mr. Rinkesh V. Kurkure (CTO and Co-founder, Psaximo Aerospace Pvt. Ltd.) delivered an engaging and insightful workshop on "Intellectual Property Rights (IPR) & IP Management for Startups." With his extensive experience in academia and industry, Mr. Kurkure provided participants with a comprehensive understanding of IPR principles and the importance of effective IP management. The workshop began with an introduction to the benefits of patents, challenges before filing applications, and a detailed explanation of the Patent Act of 1970, including the steps for patenting in India. Participants gained insights into claim drafting, the scope of claims, and strategies to avoid infringement. Mr. Kurkure emphasized the role of various types of IP in safeguarding innovations and driving economic growth.

The session also explored IP portfolio management and best practices for maintaining and enforcing IP rights. Through real-world case

studies, participants learned about effective IPR strategies and the pitfalls of poor IP practices. A jungle analogy was used to illustrate the competitive landscape, underscoring the need for innovators to navigate challenges strategically.



(L-R): Dr. Nadir Charniya (Professor, Department of Electronics and Telecommunication) felicitating Mr. Rinkesh V. Kurkure (CTO and Co-founder, Psaximo Aerospace Pvt. Ltd.)

Mr. Kurkure highlighted collaboration's significance, the equal contribution of team members, and the importance of drafting precise claims to protect inventions. His relatable examples and practical insights made complex topics accessible, leaving participants with actionable knowledge. The workshop was a resounding success, equipping attendees with the skills to protect their innovations and confidently manage their intellectual property in a competitive global environment.



Attendees of the Workshop

Startup Blueprint: Tech Career Pathways

~Preetika Khilnane

On 29 August 2024, Codecell Tinkerers of the Computer Engineering Department conducted 'Bootcamp On Startup Blueprint', a career guidance session, under the guidance of VESIT-IQAC (Internal Quality Assurance Cell) and VESIT-IIC (Institution's Innovation Council). It aimed to provide valuable insights into freelancing, startup creation, and career development in the tech industry, offering students and young professionals practical guidance on forging non-traditional career paths. The event was meticulously coordinated by Mr. Richard Joseph (Assistant Professor, Department of Computer Engineering).

covered essential steps such as identifying market needs, developing a minimum viable product, and securing funding. His experiences highlighted the importance of self-reliance and determination in building a business.



Glimpse of the event

industry. The speakers' candid responses provided actionable advice, motivating attendees to pursue their career goals with confidence.

Thus, in conclusion, the career guidance session led by Aditya and Hiten was an invaluable experience for all participants. Their combined expertise in freelancing and entrepreneurship provided a fresh perspective on career possibilities in the tech world. Attendees left with a clearer understanding of leveraging freelancing opportunities, launching startups, and remaining adaptable in the fast-paced tech industry. The session successfully equipped students with the knowledge and inspiration required to take bold steps toward their professional aspirations.



(L-R): Speakers of the event - Aditya Mangtani (BE-CMPN) and Hiten Kataria (BE-CMPN)

The session featured Aditya Mangtani (BE-CMPN) and Hiten Kataria (BE-CMPN) and was structured around three key phases. First, Aditya shared his entrepreneurial journey, offering a detailed blueprint for launching a startup. He

Next, both speakers discussed freelancing, outlining strategies for building a client base, managing projects, and scaling a freelance business. Aditya's personal story of funding his education through freelancing was particularly impactful for students seeking financial independence. Hiten, in turn, provided insights on balancing professional work with academic aspirations, offering a unique perspective as an aspiring MS student.

Finally, the session concluded with a 'Question and Answer' segment, allowing attendees to interact directly with the speakers. Students posed questions regarding the challenges of freelancing, the transition to entrepreneurship, and staying competitive in the ever-evolving tech



Coordinator of the event - Mr. Richard Joseph (Assistant Professor, Department of Computer Engineering)

Entrepreneurial Spirit for Success

~Tejasvini Bachhav

On 23rd August 2024, the Department of Electronics and Computer Science at VESIT, in collaboration with the Institution's Innovation Council (IIC) and the Internal Quality Assurance Cell (IQAC), organized a seminar on Unleashing Entrepreneurial Spirit:

Values and Success Stories. The seminar aimed to inspire students by highlighting key values that drive entrepreneurial success and sharing real-world success stories from the startup ecosystem. The event was held from 1:30 PM to 2:30 PM at VESIT and was attended by final and third-year

students of the department.

Mr. Mithun Shenoy (Head of Product Engineering, Jigsaw Financial Technology Pvt. Ltd. (Merito)) served as the guest speaker for the event. With his vast experience in product engineering and the startup industry, Mr. Shenoy delivered

an engaging and insightful session that explored the significance of creativity, innovation, and resilience in entrepreneurship. He emphasized how inventive thinking plays a crucial role in business success, offering several practical examples of how entrepreneurs have used innovation to achieve breakthroughs in various industries.

During the seminar, **Mr. Shenoy** discussed key values that fuel entrepreneurial success, such as innovation, resilience, risk-taking, vision, and ethics. He highlighted how creativity and innovation can transform ideas into successful ventures, illustrating his points with stories of entrepreneurs who have turned challenges into opportunities. Mr. Shenoy also emphasized the importance of resilience in overcoming obstacles and the role of calculated risks in achieving significant business milestones. He stressed that having a clear vision is essential for driving entrepreneurial ventures forward and maintaining strategic goals. Additionally, he underscored the importance of integrity and ethical standards in building long-term success and a solid reputation in the business world.



Speaker addressing the attendees

The seminar also included case studies of startups, providing valuable insights into how entrepreneurs can leverage these key values to thrive in the competitive business landscape. Mr. Shenoy shared real-life examples of entrepreneurs who have demonstrated exceptional creativity, resilience, and risk-taking in their journeys, inspiring students to embrace an entrepreneurial mindset.

The session concluded with an interactive Q&A segment, where students actively participated by asking questions about entrepreneurship, and

Mr. Shenoy provided personalized advice on how to launch and grow successful businesses. The seminar motivated students to consider entrepreneurship a viable career path and equipped them with the knowledge and inspiration to take the first steps toward establishing their own ventures.



(L-R): Token of appreciation to Guest Speaker **Mr. Mithun Shenoy** (Head of Product Engineering, Jigsaw Financial Technology Pvt. Ltd) by **Dr. Kavita Tewari** (Head, Department of Electronics and Computer Science), and **Dr. T. Rajani Mangala** (Professor, Department of Electronics and Computer Science)

Building Entrepreneurs at VESIT

~Tanisha Nanwani

On August 5th, 2024, the Department of Information Technology at VESIT, in collaboration with the Internal Quality Assurance Cell (IQAC) and the Institution's Innovation Council (IIC), organized a seminar titled "How to Plan a Startup and Legal and Ethical Steps." The event featured **Mr. Hitesh Ahuja**, (an esteemed alumnus of the 2017 batch and the Founder & CEO of Algocean Technologies Private Limited, who also serves as the Chief Technology Officer for EAZR Digipayments Private Limited, Oodle.social, and Troopr.works).

The seminar began with an introductory note by **Mrs. Sukanya Roychowdhury** (Assistant Professor, Department of Information Technology), who welcomed **Mr. Ahuja** and highlighted his inspiring journey from a VESIT student to a successful entrepreneur and technology leader. Attended by **third year and fourth year students**, the session delved into critical entrepreneurial aspects, including company formation, legal compliance, asset management, and intellectual property protection. Using real-world examples from his entrepreneurial journey, Mr. Ahuja provided practical insights, engaging the audience with meaningful discussions and actionable knowledge.

The seminar, held under the guidance of IQAC and in association with IIC, aimed to equip

participants with a comprehensive understanding of the steps involved in launching a startup while emphasizing the legal and ethical considerations essential for success.



Chief Guest, **Mr. Hitesh Ahuja** (Founder & CEO of Algocean Technologies Private Ltd. and CTO for EAZR Digipayments Private Limited, Oodle social, and Troopr.works)



Mrs. Sukanya Roychowdhury (Assistant Professor, Department of Information Technology) gave an introductory speech

The event fostered an entrepreneurial mindset, inspiring students to view entrepreneurship as a viable career path. Participants, comprising **189 students** and **7 faculty members**, praised the clarity and relevance of the session, gaining practical knowledge and skills to navigate the startup ecosystem. The event concluded with a vote of thanks by **Mrs. Sukanya Roychowdhury** (Assistant Professor, Department of Information Technology), who expressed her gratitude to **Mr. Ahuja** for his invaluable contribution and acknowledged the efforts of the faculty and the Head of the Department in making the seminar a success. The seminar not only provided technical and practical insights but also motivated the attendees to explore innovative ventures and pursue entrepreneurship with confidence.



Faculty members and students attending the event

Innovation Through Entrepreneurship

~Asawari Patil

On August 9, 2024, VESIT E-Cell, in collaboration with VESIT Institution's Innovation Council and VESIT Internal Quality Assurance Cell, organized a workshop titled "Lean Startup & MVP." The event, held from 1:30 PM to 3:30 PM, featured esteemed speakers **Dr. Nadir Charniya** (Professor, Department of Electronics and Telecommunication), **Mr. Amit Singh** (Assistant Professor, Department of Artificial Intelligence and Data Science), and **Mr. Amit Rambhia** (Chairman and Managing Director, Panache Digilife Ltd.) with coordination by Chief Operations Officer of ECell, **Mayank Hinge** (TE-AIDS)



(L-R): Speakers of the event- **Dr. Nadir Charniya** (Professor, Department of Electronics and Telecommunication), and **Mr. Amit Singh** (Assistant Professor, Department of Artificial Intelligence and Data Science)

The workshop commenced with **Dr. Charniya** emphasizing the significance of problem-solving in entrepreneurship. He introduced the Lean Startup methodology, which focuses on rapid product development with minimal resources to meet market needs. Illustrating with real-world examples like a bus crowd management system and a garbage-cleaning robot, he demonstrated how innovative solutions can effectively address societal challenges.

Following this, **Mr. Rambhia** shared his entrepreneurial journey, highlighting the importance of identifying market problems and transforming obstacles into opportunities.

He encouraged participants to venture into entrepreneurship with confidence and determination. Mr. Singh further discussed the expanding opportunities within the startup ecosystem, stressing the necessity of adaptability to market trends and the value of perseverance and learning from failures.

The interactive session provided participants with practical insights into the Lean Startup approach, enabling them to develop and test Minimum Viable Products (MVPs) effectively. The workshop

successfully fostered a problem-solving mindset and entrepreneurial spirit among the attendees. The event saw participation from **50 students and 4 faculty members**. It was promoted across various social media platforms, including Twitter, Facebook, Instagram, LinkedIn, and YouTube. The workshop concluded with a Q&A session, where speakers addressed participants' queries, offering personalized guidance on implementing Lean Startup principles in various domains.



Speaker of the event - Mr. Amit Rambhia (Chairman and Managing Director, Panache Digilife Ltd.)

Fueling Startups

~Tanisha Nanwani

The Department of **Electronics and Telecommunication Engineering** at **VESIT**, in collaboration with the **Institution's Innovation Council (IIC)** and the **Internal Quality Assurance Cell (IQAC)**, organized a highly informative session on **Angel Funding and Venture Capital (VC) Funding** on 12th September 2024. This leadership talk aimed to enlighten startup founders about the critical stages of fundraising, focusing on Angel Investors and Venture Capitalists.

The session was conducted by **Dr. Nadir Charniya** (Professor, Department of Electronics and Telecommunication) and Vice President of IIC at **VESIT**. His expertise provided participants with a comprehensive understanding of the processes, strategic considerations, and key differences between angel funding and venture capital funding. **Mr. Mrugendra Vasmatkar** (Assistant Professor, Department of Electronics and Telecommunications Engineering) coordinated the event, ensuring its smooth execution.

The talk began by explaining the Overview of Startup Funding, emphasizing the necessity of external financial backing for a startup's growth and scalability. Early-stage startups often seek funding from angel investors, while more mature startups turn to venture capitalists for larger investments.

Angel Funding was highlighted as a crucial source for early-stage startups. Angel investors, usually high-net-worth individuals, provide smaller investments focusing on innovative ventures with significant growth potential. The session emphasized that angel investors offer more than just capital—they provide personalized mentorship, access to valuable networks, and swift decision-making, though their financial contributions may be relatively limited.

On the other hand, Venture Capital (VC) Funding involves institutional investors managing pooled funds to support high-growth startups. They typically invest millions to hundreds of millions through multiple funding rounds. In addition to funding, VCs offer strategic guidance, operational resources, and board representation. However, they expect substantial returns and may exert significant influence over a startup's operations.

The session also covered the Key Differences Between Angel and VC Funding. Angel investors usually engage at early stages, providing smaller amounts and hands-on mentorship, while venture capitalists enter during scaling stages, investing larger sums with formal strategic expertise and a focus on long-term returns.

With 49 third-year EXTC students participating, the session successfully demystified

startup funding, equipping future entrepreneurs with the knowledge to navigate the challenging funding landscape. The event was well-received, offering a blend of theoretical insights and practical examples, helping students grasp the real-world dynamics of entrepreneurial finance.



Speaker of the event - Dr. Nadir Charniya (Professor, Department of Electronics and Telecommunication)



Coordinator of the event - Mr. Mrugendra Vasmatkar (Assistant Professor, Department of Electronics and Telecommunications Engineering)

Business Model Canvas

~Priyanka Tiwari

VESIT E-Cell In Association with **VESIT - Institution's Innovation Council** and **VESIT - Internal Quality Assurance Cell** on **13th August 2024** organized a session on the "Business Canvas Model". The session was an engaging and informative session on entrepreneurship, focusing on the realities of traditional employment and the opportunities inherent in starting a business. The session was designed to inspire and educate participants about the entrepreneurial journey, providing practical tools and insights for aspiring business owners. The speaker of the event was **Mr. Amit Singh** (Assistant Professor, Artificial Intelligence and Data Science). The session saw participation of 50 student participants and 02 faculty participants.

The speaker began the session by discussing the impact of economic downturns, such as recessions on traditional job markets. He highlighted how such economic conditions can lead to reduced employment opportunities and job insecurity. This context set the stage for

exploring entrepreneurship as a viable alternative to traditional employment.



Speaker Mr. Amit Singh (Assistant Professor, AIDS) discussing about the importance of business

To highlight the benefits of starting a business, the speaker asked the audience, "Who wants to start a business?" and "Why are Marwaris so successful in business?" He used Haldiram's a prominent Indian snack brand, as a case study, showing how Marwari entrepreneur's success stems from a mix of business

skills and cultural factors. This example illustrated the importance of grasping market dynamics and cultural influences for business success. The session provided an in-depth explanation of each component of the Business Model Canvas like Customers, Value Propositions, Channels, Costing, Resources, and Connections.

Overall The Business Model Canvas session gave participants a clear understanding of entrepreneurship, practical tools for business planning, and motivation to pursue their ventures.



Speaker of the event Mr. Amit Singh (Assistant Professor, Artificial Intelligence and Data Science)

MY SOCIETY, MY RESPONSIBILITY

Cancer Awareness Talk

~Priyanka Tiwari

On August 30, 2024, the NSS and Social Responsibility Team (SoRT) of VESIT joined hands with VCare Foundation to organize a heartfelt and impactful event at the VESIT Auditorium. Hosted by Gowri Krishna Nair (SE - ECS) the program was dedicated to raising awareness about cancer, its prevention, and the invaluable role of support organizations in helping patients navigate their journey.

For 28 years, VCare Foundation has been a beacon of hope for cancer patients, offering support and care that empower them to move from chaos to control.

The event began on a gracious note, with the VESIT principal welcoming the esteemed guests, Mrs. Jyo Pasha and Mrs. Neelam Gehani (Owner, Neelams Beauty and Medicare), by presenting them with Tulsi plants—a thoughtful gesture

symbolizing health and well-being.

Among the attendees were Dr. Pooja Kundu and Dr. Sushil Dhuldhar, who lent their expertise and encouragement throughout the program.

Mrs. Neelam Gehani then shared an inspiring talk about one of VCare's remarkable initiatives: Creating wigs for cancer patients. The event also featured enlightening talks by Dr. Pooja Kundu and Dr. Sushil Dhuldhar, who emphasized the importance of early detection and preventive measures. They spoke about the vital role emotional and psychological support plays in a patient's recovery journey, encouraging everyone to become more aware and proactive in the fight against cancer.

The program wrapped up with a heartfelt vote of thanks, expressing gratitude to the speakers, VCare Foundation, and everyone who participated

in making the event a success. A group photo captured the essence of the day—filled with hope, collaboration, and commitment to a noble cause.

This event showcased how collective efforts and compassion can make a real difference for those battling cancer, highlighting the power of unity



Doctor from the VCare Team Speaking

Womens Financial Awareness Program

~Vedika Date

The VESIT Women Development Cell (WDC) and WIE-IEEE, in association with VESIT-IQAC and VESIT-IIC, successfully organized a Women's Financial Awareness Program on 21st September 2024. The event aimed to empower women with essential financial knowledge and strategies to manage their future effectively.

The program featured Mr. Kunal Joshi, an esteemed advisor from Mumbai, as the keynote speaker. His session provided attendees with valuable insights into personal finance management, investment strategies, and the importance of financial independence for women. His practical and relatable approach made the session both engaging and impactful.

The event was meticulously coordinated by a dedicated team of faculty members, including Dr. T. Rajani Mangala (Assistant Professor, Department

of Electronics and Computer Science Engineering), Dr. Shalu Chopra (Head, Department of Information Technology), Dr. Sujata Khedkar (Associate Professor, Department of Computer Engineering), Dr. Nandini Ammanagi (Assistant Professor, Department of Electronics and Telecommunication), Dr. Rohini Temkar (Assistant Professor, Department of Computer Engineering), Mrs. Sonali Rahate (Member, Anti Sexual Harassment Committee), Dr. Ashwini Sawant (Assistant Professor, Department of Electronics and Telecommunication), and Dr. Shashwatiroy Majumder (Assistant Professor, Department of Humanities and Applied Science). Their efforts ensured the seamless execution of the program and enriched the experience for the participants.

The leadership and support of Dr. Kavita Tewari (WDC Chairperson), Dr. Gresha Bhatia (IEEE Branch Counselor), Shri. B. L. Boolani (Managing Trustee, VES), Dr. (Mrs.) J. M. Nair (Principal, VESIT), and Dr. (Mrs.) M. Vijayalakshmi (Vice Principal, VESIT) played a crucial role in making the event a success.



(L-R): Dr. Gresha Bhatia (IEEE Branch Counselor), Dr. Kavita Tewari (WDC Chairperson)

E-Waste Awareness and Collection Drive

~Vedika Date

The SoRT Council, in collaboration with NSS and MASSRR e-Nirmallya LLP, successfully conducted an E-Waste Awareness Seminar on 9th August. The program emphasized the critical need to address the growing issue of electronic waste and highlighted sustainable ways to manage it. The seminar served as an eye-opener, educating students and staff about the harmful environmental impact of e-waste and the importance of adopting responsible recycling practices.

As part of the initiative, an E-Waste Collection Drive was organized, with a dedicated collection box placed near the reception area. Students and staff actively participated by depositing their outdated and non-functional electronic devices, such as old mobile phones, chargers, and other gadgets, into the collection box. This convenient setup encouraged the campus community to discard their e-waste responsibly and contributed to the drive's success.



(L-R): E-Waste Awareness Seminar and Collection Drive - Mr. Mahesh Singh Adhikari (Assistant Professor, Department of Humanities and Applied Sciences), Ms. Mugdha Joglekar (Assistant Professor, Department of Automation and Robotics), Dr. Manisha Tiwary (Assistant Professor, Department of Humanities and Applied Sciences), Dr. Pradnya Bhogale (Assistant Professor, Department of Humanities and Applied Sciences),

The SoRT Council led the program with great enthusiasm, delivering impactful sessions that underlined the importance of e-waste management and its role in achieving environmental sustainability. By fostering awareness and offering practical solutions, the initiative inspired individuals to rethink their habits and make conscious efforts toward reducing their ecological footprint.

The E-waste collection drive reflected the collective commitment of the campus community to environmental preservation. The collaboration between SoRT, NSS, and MASSRR e-Nirmallya LLP was instrumental in making this initiative a success, setting an inspiring example of how educational institutions can lead the way in promoting sustainability and responsible waste management practices.

Empowering Confidence And Care

~Chaitanya Moharil

On 27th September, 2024, the NSS Unit of VESIT, in collaboration with the **Whisper Foundation**, hosted an enlightening session on **Personality Development and Personal Hygiene**. The **two-hour session**, held from 1:30 PM to 3:30 PM in the college auditorium, was designed exclusively for **female students** to foster awareness about crucial aspects of self-care and confidence-building. The event attracted a large, enthusiastic audience who were actively engaged throughout the proceedings of the event.



The session was highly interactive with female students sharing their personal experiences

The session was led by **Ms. Vineeta Rajendran**, a distinguished speaker who shared invaluable insights into the importance of personal hygiene as a cornerstone of overall well-being. Her talk dispelled common myths surrounding hygiene and emphasized its significance during different life stages. She seamlessly transitioned into personality development, highlighting key areas such as self-confidence, positive communication, and goal setting. The session was highly interactive with students asking questions and sharing their experiences which added to the impact of the session as students could relate the learnings to their personal journeys.



Female Students of the College participate in an informative session organized for them

In addition to Ms. Rajendran's inspiring talk, the event featured reflections from NSS leaders and deputy leaders. They shared their experiences of participating in various social initiatives over the past year, and emphasized on the life-changing impact NSS can have, developing leadership and teamwork skills while instilling a profound sense of responsibility toward social causes, urging the participants to join NSS.

The session concluded with the **distribution of gift bags**, generously provided by the Whisper Foundation, as a token of appreciation and a reminder of the importance of personal care. Overall, the session was well-received, leaving attendees with practical knowledge on personal hygiene and personality development.



Speaker of the event Ms. Vineeta Rajendran

Tree Plantation

~Rohil Gujarathi

The **"Ek Ped Maa Ke Naam"** campaign, initiated by the Union Environment Ministry, aims to encourage tree planting and foster a greener environment. This year, it successfully met its target of **planting 800 million seedlings** by September, thanks to contributions from government agencies, local communities, and individuals.

Inspired by this initiative, the NSS unit of our college organized its own version of the campaign, encouraging students to plant a sapling in their locality and dedicate it to their mothers. The event ran from July 29th to August 2nd and invited participants to share photos of their efforts, adding a personal and emotional connection to the activity.

The response was remarkable, with around **100 students** participating and planting over **150 saplings**. Many involved their families and neighbors, spreading awareness about the

importance of tree planting. Students expressed excitement about contributing to the environment and pledged to nurture the saplings they planted.

The NSS-organized Ek Ped Maa Ke Naam campaign proved by showcasing how collective small actions can create a significant impact. The enthusiasm and commitment of the participants made the event a success, promising more such initiatives in the future.



Apoorva Ghyare (SE-ECS) planting a tree in Kharghar

Students shared their joy and pride in contributing to a greener future. Many expressed how the campaign provided them with an opportunity to give back to nature while dedicating something special to their mothers. The NSS unit takes immense pride in the students' contributions and looks forward to organizing more such impactful initiatives in the future.



Viraj Pradhan (SE-EXTC) planting a tree near Navi Mumbai

Freedom Fest : Celebrating Unity

~Shruti Thakare

On the **13th August, 2024**, the VES Institute of Technology (VESIT) brought together a diverse gathering of individuals in the grand setting of the college auditorium. The occasion was the commemoration of **India's 78th Independence Day**. The Cultural Council successfully organised a memorable event which was a vibrant tribute to the nation, marked by outstanding performances, heartfelt speeches, and a deep sense of patriotism.

The event was graced with the presence of **Dr. J. M. Nair (Principal, VESIT)** and other faculty members. The event commenced with the ceremonial lighting of a diya, symbolising the dispelling of darkness and the ushering in of knowledge and freedom.

Anish Padhye (TE-EXTC) and **Sarah Shaikh (TE-AIDS)** flawlessly anchored the event, guiding the program with poise. The opening sequence featured a soulful Saraswati Vandana sung by **Sakshi Thakare (SE-EXTC)** and **Samiksha Pawar (SE-EXTC)**, followed by a graceful Ganesh Vandana dance performed by **Arya Raje (BE-CMPN)**, setting a serene and reverent tone for the gathering.

The program then transitioned to a heartfelt poetry recitation by **Sujal Sahu (TE-AIDS)**, whose words evoked a profound sense of patriotism and pride. This was followed by a dynamic patriotic hip-hop performance by **Arundhati Nair (TE-EXTC)**, **Harshit Jadhveela (TE-AIDS)**, **Arya Pandit (TE-EXTC)**, **Rushikesh Sose (SE-EXTC)**,



(L-R): Electrifying band performance by Nishant Mohan (TE-AURO), Shlok Yadav (TE-AIDS), Maitreyi Tripathi (TE-AIDS), Vedant Patil (BE-EXTC), Kausthubh Natalkar (TE-EXTC), and Chinmay Desai (TE-CMPN)

Archit Chitte(SE-INFT), Aaryaman Patra(SE-EXTC), Kanishk Sharma(SE-ETCS), and Tanish Jain(TE-AURO). Sanisa Patrikar(SE-EXTC) then delivered a compelling speech, touching on the values of unity and resilience that Independence Day represents.



(L-R): Graceful Classical dance performance by Second Year students - Nidhi Puthran (SE-INFT), Sudarsana Krishnan (SE-EXTC), Kamy Gupta (SE-ETCS), Ishika Dumbre (SE-AIDS), and Keerthana Nair (SE-AIDS)

The performances continued with a captivating flute solo by Mayuri Joshi (SE-ETCS), whose soothing notes filled the hall and provided a moment of tranquility amid the excitement. This was followed by a band performance by Shlok Yadav (TE-AIDS), Kausthubh Natalkar (TE-EXTC), Nishant Mohan (TE-AURO), Chinmay

Desai (TE-CMPN), Vedant Patil (BE-EXTC), and Maitreyi Tripathi (TE-AIDS). Their dynamic energy and vibrant music captivated the crowd, adding a contemporary touch to the celebrations.



(L-R): Enthralling drama performance by VESIT Natakmandali by Atharva Chawrekar (SE-ETCS), Saransh Lulla (SE-CMPN), and Phaneendra Nittala (SE-ETCS)

Second-year students Nidhi Puthran (SE-INFT), Sudarsana Krishnan (SE-EXTC), Keerthana Nair (SE-AIDS), Ishika Dumbre (SE-AIDS) and Kamy Gupta (SE-ETCS) then presented a graceful classical dance, showcasing the rich cultural heritage of India. Finally, Shraeya Dhaighude (TE-INFT) delivered a moving poem in Marathi, adding an emotional depth that resonated with the audience.



Interactive session with Dr. Vivek Umrikar (Head, Department of Humanities and Applied Sciences)

A standout moment of the Independence Day celebration was the powerful performance by VESIT Natak Mandali, directed with skill and sensitivity. Through a compelling portrayal of India's social and political landscape, the drama delivered a profound message. The highlight was a moving speech by Bharat Mata, emphasizing unity, peace, and collective responsibility.

The event concluded with a soulful performance by the junior band Vivekani, as they presented the Maharashtra Geet and the National Anthem, bringing the celebration to a heartfelt and patriotic close.

Pledge to Protect

On 20th August 2024, the Gender Champion Club of VESIT, under the guidance of Dr. J. M. Nair (Principal, VESIT) and Dr. Pooja Kundu (Nodal Officer, Gender Champions Club), organized a "Peace March" to address the growing concern of rape and sexual assault cases across the country. In collaboration with various student councils, the event aimed to raise awareness, show solidarity with victims, and advocate for women's safety. The amphitheater became the gathering point for the entire VESIT community, including students, faculty, and administration, all united for this cause.



(L-R): Kamy Gupta (SE-ECS) delivered a moving speech and Jiten Purswani (TE-CMPN) recited a heartfelt poem

The event commenced with a moving speech by Kamy Gupta (SE-ECS), which set a somber tone. A candle-lighting ceremony followed, where the Principal lit the first candle, symbolizing prayers for the victims of sexual violence. Faculty members also participated, lighting candles in front of a collage representing the victims, while Jiten Purswani (TE-CMPN) recited a heartfelt poem. A collective pledge for women's safety,

led by the heads of various student bodies and coordinated by Abhijay Das (SE-INFT), reinforced the community's commitment to combat sexual violence.



First candle lit by Dr. J.M.Nair (Principal)



VESIT Community stand united against injustice

Yashodhan Sharma (BE-CMPN, Head, Gender Champion Club), delivered a compelling speech that urged immediate action and greater awareness. A minute of silence was observed in honor of the victims, marking a poignant moment of reflection. The emotional charge of the event culminated in a peace march around the college campus, where students, faculty, and staff walked together to further express their solidarity.



(L-R): Abhijay Das (SE-INFT) coordinated the pledge, and Yashodhan Sharma (BE-CMPN, Head, Gender Champion Club) delivered a compelling speech

The march concluded with a prayer back at the amphitheater, where participants reaffirmed their shared commitment to justice and safety for women. The Peace March was not only an emotional experience but also a reminder of the collective responsibility to stand against sexual violence and advocate for change. The event left a lasting impact on the VESIT community, inspiring continued efforts to ensure the safety and dignity of women everywhere.



Students participating in the peace march to show their support for all the victims

A Step Towards a Drug-Free Society

~Chirag Pedamkar

On 28th August 2024, the NSS unit of VESIT, under the guidance of Program Officers **Dr. Pooja Kundu** (Assistant Professor, Department of Humanities and Applied Science) and **Dr. Sushil Dhuldhhar** (Assistant Professor, Department of Humanities and Applied Science) in collaboration with the Chembur Police Station, organized an impactful event titled "**Sankalp Nashamukt Bharat**" under the Nasha Mukta Bharat Abhiyan. The event commenced at VESIT College Auditorium, aimed to address the pressing issue of substance abuse among India's youth. The auditorium came alive at 1:30 p.m. with the presence of **90** enthusiastic students, faculty members, and distinguished guests.



Mr. Pradeep Tupe(Chief Guest, Chembur Police Station) leading the Program of Sankalp Nasha Mukta Bharat.

The event started on a peaceful note with the invocation of Saraswati Vandana, creating a reflective atmosphere. Following this, the chief guest, **Mr. Pradeep Tupe** (Chief Guest), representing the Chembur Police Station, delivered an insightful keynote address. In his speech, Mr. Tupe emphasized the critical need for awareness about the dangers of addiction, urging the youth to stay informed and cautious. His words resonated deeply with the audience, encouraging proactive measures to combat the growing threat of substance

abuse. It was followed by an interactive session with the students. To reinforce the seriousness of the issue, the volunteers screened a short film made by volunteers that vividly portrayed the devastating consequences of drug abuse. The film was followed by a powerful skit, shedding light on the role of peer pressure in substance use and how it can lead to life-altering decisions. These creative presentations effectively conveyed the message of caution and resilience in the face of challenges related to drug use. The event's highlight was an inspiring speech delivered by NSS volunteer **Kamya**



(L to R): Dr. Sushil Dhuldhhar(Assistant Professor, Department of Humanities and Applied Science), Dr. Pooja Kundu(Assistant Professor, Department of Humanities and Applied Science), Aakansha Suvarna (BE-INFT) and Yashodhan Sharma(BE-CMPN).

Gupta (SE-ECS), which moved the audience and motivated them to take a strong stand against drugs. Kamya eloquently addressed the event's central theme, underscoring the importance of individual responsibility in fostering a drug-free society. Her speech provided a renewed sense of determination and hope. A significant and solemn moment arrived with the pledge-taking ceremony, led by NSS

volunteer **Sujal Sahu** (TE- AIDS), where students and attendees committed to leading drug-free lives and supporting efforts to combat substance abuse in their communities. The program not only engaged the students but also fostered a collective commitment to promoting a drug-free society among the youth, marking a positive step toward combating this social issue within the community. Through the active involvement of NSS volunteers and valuable collaboration with the Chembur Police Station, VESIT proudly stands as a contributor to the nationwide mission of building a drug-free India.



NSS Volunteer Sujal Sahu (TE-AIDS) took the pledge-taking ceremony



(L-R): NSS volunteers taking pledge - Poorva Pathak (TE-AIDS), Shrawani Sanjay Pawaskar(SE-AURO), Kajol Gupta(TE-AIDS) Aarohi Mishra(TE-AIDS), Kamya Gupta (SE-ECS), Vaishnavi Chaudhari (TE-EXTC), Gauri Gupta (TE-AIDS), Sakshi Kharade (TE-AIDS), Apurva Mankas(TE-AIDS)

EXTRACURRICULARS

Innovate and Elevate

~Harshita Sewani

CodeCell Tinker's from the Computer Department organized a three-day **Career Guidance Series** featuring accomplished professionals from diverse fields. On August 21, **Attreyee Mukherjee** (BE-CMPN) shared insights on securing research opportunities, the importance of internships, and techniques for effective cold emailing. Drawing from her experiences at the Max Planck Institute and RISE Lab, she inspired students to pursue academic research. On August 22, **Mr. Gaurish Baliga** (Software Engineering Intern, Google) discussed competitive programming and building careers at top tech firms like MAANG. He emphasized consistent practice, mastering algorithms, and leveraging



L-R: Speakers of the Session - Ms. Attreyee Mukherjee (BE-CMPN), Mr. Gaurish Baliga (Software Engineering Intern, Google), Mr. Vishesh Mittal (Batch of 2023, Department of Computer Engineering, ML Engineer Intern, Qualcomm)

platforms like Codeforces and CodeChef, offering practical strategies for technical interviews. On August 24, alumnus from Batch of 2023, **Mr. Vishesh Mittal** (ML Engineer Intern, Qualcomm) provided a roadmap for pursuing master's degrees abroad, addressing application strategies, transitioning to new academic environments, and managing life overseas. The sessions empowered participants with actionable guidance on research, competitive programming, and studying abroad, leaving a lasting impact on their academic and professional aspirations.

BeyondGrad

~Mehak Ahuja

On August 24, at 7:30 pm , the VESLang Circle hosted the "BeyondGrad" session, offering students insights into pursuing master's programs abroad. The session took place online on google meet. Mr. Maitreya Kadam (Batch of 2024, Department of Electronics and Telecommunications Engineering, Master's in Data Science, RMIT University) and Figo Cardozo (Batch of 2024, Department of Computer Engineering, Master's in Computer Science, Ohio State University) shared their experiences and strategies. Mr . Figo Cardozo discussed on Shortlisting universities, Application processes, Crafting Letters of Recommendation and Statements of Purpose, Loan and visa navigation. and Mr. Maitreya Kadam Exam preparation strategies (GRE, IELTS/TOEFL) and Tips for selecting the right course and country for studies. Maitreya Kadam is a post-graduate student pursuing a Master's in Data Science from RMIT University in Melbourne. He completed his Bachelor's in Electronics and Telecommunication Engineering at VESIT, Mumbai. Maitreya achieved an IELTS Academic score of 7.5 out of 9.0 in July 2023 and a Graduate Record Examination (GRE) score of 301 out of 340

in March 2023.



L-R: Speakers of the event - Maitreya Kadam (Batch of 2024, Department of Electronics and Telecommunications Engineering, Master's in Data Science, RMIT University) and Figo Cardozo (Batch of 2024, Department of Computer Engineering, Master's in Computer Science, Ohio State University)

The session also featured a dynamic Question and Answer segment, where participants actively engaged with Figo and Maitreya, seeking clarification and advice on various aspects of the study abroad process. The BeyondGrad session proved to be an invaluable resource for students aspiring to further their education internationally. With practical insights from Maitreya and Figo, attendees left empowered to navigate the

complexities of studying abroad, transforming their aspirations into actionable plans. This lively exchange further enriched the experience, allowing students to gain deeper insights into their queries.

The session concluded with a lively Q&A, allowing participants to engage directly with the speakers and clarify their doubts. Overall, the event successfully equipped aspiring students with valuable knowledge and resources for their academic journeys.



The workshop being conducted in online form through google meet

Celebrating Educators

~Saniya Kadam

The student message distribution initiative was organized to foster appreciation for teachers during the semester. Blank sheets were distributed in every class, inviting students to write messages to their respective subject teachers. This initiative aimed to strengthen the connection between students and faculty. With a total of 18 classes participating, students wrote creative and heartfelt handwritten messages on the sheets. In addition to this, a Canva template was shared with students for those who wished to send personalized messages. This approach ensured uniformity and allowed students to express their thoughts visually. The messages were printed in color and organized department-wise for efficient distribution. Teachers received these thoughtful notes during

exam time, a period when maintaining morale is crucial. The response from faculty was overwhelmingly positive, with many expressing happiness and appreciation upon receiving the messages. Feedback from participants indicated a strong desire to continue such initiatives in the future, highlighting the importance of fostering gratitude within the academic community. The event's reach was enhanced through social media promotion, ensuring that the positive impact resonated beyond the classroom. In conclusion, the student message distribution initiative was a successful endeavor that not only allowed students to express their gratitude but also contributed to a supportive academic environment during exams. The event underscored the significance of appreciation in education and the role

it plays in building strong relationships between students and teachers.



Heartfelt Messages for the teachers

FEATURED

Celebrating Educational Innovation

~Chaitanya Moharil

On 29th July 2024, VESIT celebrated the 4th Anniversary of the National Education Policy (NEP) 2020 with an orientation program for second-year students. Organized in collaboration with the Institution's Innovation Council (IIC) and Internal Quality Assurance Cell (IQAC), the event introduced students to the newly structured NEP-aligned syllabus. Faculty members provided a detailed overview of subject weightage, examination schemes, practical assessments, and the overall curriculum design. Students eagerly participated in the session, asking questions and gaining clarity on the updated framework. A lot of excitement and enthusiasm was seen from students of all departments. Many teachers from all departments also participated as speakers to provide students



Orientation about the newly structured NEP-aligned syllabus in the Department of Computer Engineering



Second year students from the Department of Electronics and Computer Science paying attention to new curriculum design and examination schemes

with the much needed information about NEP. The event witnessed active participation from over **600 students** and **20 faculty members**. As the syllabus based on the NEP-guidelines was going to be followed by the second-year students,

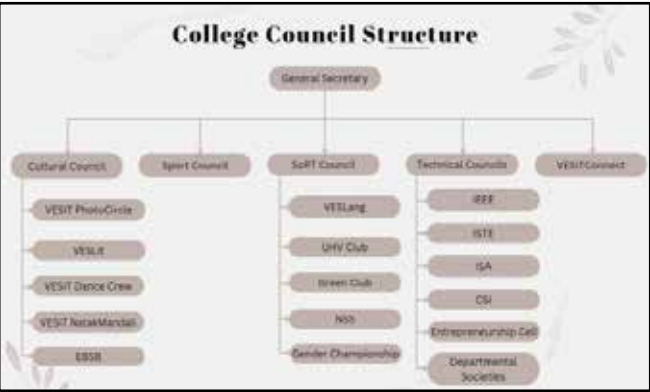
the enthusiasm among students highlighted their excitement about the NEP-driven changes and their focus on multidisciplinary and holistic learning. The celebration reflected VESIT's commitment to aligning education with the NEP's

vision, fostering a deeper understanding of its benefits. The NEP Day Celebration successfully equipped students with the knowledge and confidence to embrace the updated curriculum, paving the way for an innovative and promising academic journey.

Student Council Embarks on a New Journey

~Vedika Date

As the new academic year unfolds, the **VESIT Student Council** has undergone a major transformation, streamlining all student bodies into five main streams. This restructuring was carried out with a strategic approach, grouping student bodies based on domain similarities. By bringing together student bodies with similar domains, this restructuring aims to enhance collaboration, improve efficiency, and maximize impact.



College Council Structure including all the main stream councils with circles and clubs

The **5 main streams** formed are led by the **Cultural Council, SoRT Council, Sports Council, Technical Council** and **VESITConnect**. The Cultural Council has under it VESLit Circle, VESIT Photo Circle, VESIT Dance Crew, VESIT Natak Mandali and EBSB. The SoRT Council has VESLang Circle, NSS, UHV Club, Green Club and Gender Championship Club. The Technical Council has professional societies like IEEE, ISTE, CSI, ISA and departmental technical societies. Each council operates under a structured leadership system. The Cultural, SoRT, and Sports Councils are each headed by a Secretary. The Technical Council is managed by two Technical Coordinators (one male and one female).

VESITConnect is helmed by the Student Chief Editor and the Student Design Head. At the apex of this restructured Student Council is the General Secretary, who leads and represents all five councils. MCA students are represented by the MCA secretary.

Student Design Head, VESITConnect: Sai Thikekar (BE-CMPN)
Cultural Secretary: Akruti Dabas (TE-INFT)
Sports Secretary: Aditi Taksale (TE-INFT)
SoRT Secretary: Rishi Gupta (TE-EXTC)



(L:R): Akruti Dabas (Cultural Secretary), Aditi Taksale (Sports Secretary), Sai Thikekar(Student Design Head), Prachit Paralikar (Student Chief Editor), Rohit Jha (MCA Secretary), Aradhya Ingle(General Secretary), Pranav Sukali (Male Tech Coordinator), Shivani Nikam (Female Tech Coordiantor and Rishi Gupta(SoRT Secretary)

For this academic year, the key student leaders are:
General Secretary: Aradhya Ingle (BE-CMPN)
MCA Secretary: Rohit Jha (MCA-SY)
Female Tech Coordinator, Technical Council: Shivani Nikam (BE-INFT)
Male Tech Coordinator, Technical Council: Pranav Sukali (BE-EXTC)
Student Chief Editor, VESITConnect: Prachit Paralikar (BE-INFT)

With a strong leadership team at the helm, VESIT is set for an exciting and transformative year ahead. The newly appointed leaders bring enthusiasm, vision, and dedication to foster unity and innovation. Their diverse experiences promise fresh ideas and a collaborative spirit, ensuring each council thrives while contributing to the larger VESIT community. Congratulations again to all the council members — may this year be filled with memorable achievements!

VESIT DIARIES

Mr. Mehul Tuteja, an alumnus of VESIT and currently exploring opportunities as a blockchain developer, reflects on his journey, shares advice for students, and speaks about the impact VESIT had on his career.

How did you develop your interest in Blockchain Technology?

My journey started during the 2021 crypto boom when I became curious about Bitcoin and Ethereum. What intrigued me wasn't just their rising prices but the technology behind them was blockchain. Soon, I delved deeper into understanding how it works. This curiosity eventually led me to explore programming and development. It taught me that passion and curiosity are the first steps to learning something new.

What challenges did you face as a student, and how did you overcome them?

Like most students, I struggled with balancing academics and extracurricular activities. The key was to prioritize and manage time effectively. Another challenge was self-doubt when learning something new, like blockchain. However, breaking the process into smaller steps and celebrating little wins helped me stay motivated.

What advice would you give to students exploring their career paths?

First, identify what excites you—whether it's coding, designing, or problem-solving. Then, experiment with internships, workshops, or small projects to

understand what truly aligns with your interests. Don't hesitate to step out of your comfort zone and explore emerging fields like AI, blockchain, or cloud computing. The sooner you start, the better equipped you'll be for the future.

How has VESIT contributed to your journey?

VESIT was instrumental in shaping both my personality and technical skills. The faculty provided constant guidance, and the collaborative environment helped me grow. VESIT also instilled a sense of confidence in me, preparing me to face interviews and corporate challenges. It wasn't just about academics, it was about developing holistically.

What advice would you give to your younger self or current students at VESIT?

Focus on learning and don't stress about immediate results. Enjoy the process, participate in events, take up leadership roles, and build strong relationships with your peers. The connections and memories you create during college will be just as valuable as the technical skills you gain.

What skills should students develop to succeed in today's tech industry?

Technical skills are important, but don't overlook soft skills. Communication, teamwork, and adaptability are crucial, especially in tech. On the technical front, having a solid grasp of programming languages like Python or JavaScript, and understanding data structures and algorithms,

will give you a strong foundation. Also, stay updated with industry trends and emerging technologies.



Blockchain Developer, Mr. Mehul Tuteja (Batch of 2020, Department of Master of Computer Applications)

Any parting message for students aspiring to achieve their dreams?

The future is bright for those who are willing to adapt, learn, and take risks. Believe in yourself, be consistent, and don't hesitate to seek guidance when needed. Success is a journey, not a destination, so enjoy every step of it.

“

“Technology is nothing. What’s important is that you have faith in people, that they’re basically good and smart, and if you give them tools, they’ll do wonderful things with them.”

Steve Jobs

”

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Mr. A. Nagananda
Chief Editor



Mrs. Priya R.L
Faculty Design Head



Prachit Paralikar
Student Chief Editor



Sai Thikekar
Student Design Head



Srushti Chopade
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Priyanka Tiwari



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Saniya Kadam



Shruti Thakare



Tanisha Nanwani



Tejasvini Bachhav



Vedika Date

**Arise! Awake! And do not stop until
your goal is achieved**



 **@vesitedu**

 **vesit.connect@ves.ac.in**



**Hashu Advani Memorial Complex, Collector's Colony,
Chembur, Mumbai, Maharashtra - 400074**