VESIT

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V.E.S.
Since 1962

"Industry 5.0 is a reminder that technology should serve humanity, not replace it. It's about co-creation, not substitution

Gearing up for

INDUSTRY 5.0

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GEARING UP FOR INDUSTRY 5.0

~Gaurang Desai

Industry 5.0 is like a collaboration between humans and machines, where they communicate with each other for a seamless performance. Think of smart factories where robots and people collaborate. Robots can be taught to perform intricate tasks with precision, and humans bring their creativity and decision-making skills to the table. This blend of man and machine is what Industry 5.0 is all about.

It's not just about robots doing the heavy lifting, but how they work alongside humans. Robots can be equipped with sensors that allow them to understand their surroundings and work safely near people. They can handle repetitive tasks, freeing up humans to focus on more complex challenges. This teamwork increases efficiency and ensures safety in the workplace.

As we gear up for Industry 5.0, there's a need to embrace new skills. People must understand the technology that powers these robots and how to program them. It's like learning a new language or mastering a new instrument. This knowledge will empower individuals to collaborate effectively with machines, ultimately making them more valuable in the job market.

The exciting part about Industry 5.0 is that it's not exclusive to big corporations. Small businesses and individuals can also benefit from this technological revolution. It's a promising path towards a future where the workforce is enhanced by technology, offering new opportunities and making work more engaging for everyone involved.

Industry 5.0 represents a profound shift in how we approach work, driven by the collaborative interaction between humans and machines. This collaboration, where robots and humans communicate and work together seamlessly, is reshaping the world of industry and manufacturing. This essay explores the concept of Industry 5.0, its impact on work, the skills needed for success, and its accessibility across businesses of all sizes. Industry 5.0 is characterized by a deep integration of humans and machines, focused on collaboration and open communication. Unlike previous industrial revolutions that often pitted humans against machines, this era seeks to create a synergy where technology enhances human capabilities, rather than replacing them. This collaborative approach allows humans and robots to work together for mutual benefit.

Robots equipped with advanced sensors offer precision, consistency, and the ability to handle tasks with remarkable accuracy. What sets Industry 5.0 apart is the emphasis on safety. Robots can work safely alongside humans, thanks to these sensors and carefully designed interfaces. This ensures that collaborative work can occur without compromising the well-being of human workers. The collaboration between humans and robots greatly enhances efficiency across various industries. Robots excel at handling repetitive and physically demanding tasks, allowing human workers to focus on higher-value, complex activities. This collaborative approach leads to increased production speed, reduced downtime, and cost savings, significantly transforming the work environment.

Rather than resulting in widespread job displacement, Industry 5.0 leads to job transformation. While routine and repetitive tasks are automated, human workers transition into roles that demand creativity, critical thinking, and emotional intelligence. This transition creates new opportunities, making work more engaging and fulfilling for everyone involved.

Industry 5.0 is a revolutionary shift in the way we view work and technology. It emphasizes collaboration between humans and machines, with each side enhancing the capabilities of the other. This collaborative approach promises to improve productivity, foster innovation, and create a more engaging and dynamic future of work. As individuals and businesses embrace this change and acquire the necessary skills, Industry 5.0 offers a promising future where technology empowers the workforce, opening up new opportunities for businesses of all sizes and making work more engaging for everyone involved.

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EDITORIAL

Tanya Dubey
Student Chief Editor

In a groundbreaking accomplishment, VESIT has been awarded a Grant-in-Aid of Rs. 82.59 Lakhs from the Ministry of Electronics and Information Technology (MeitY), Government of India. Our college was shining in the SPIT Innovation cup this year since two teams won this year and both teams are from the Electronics and Telecommunication Engineering Department. Jheel Panchal (TE-ETRX) and Aroha Adavadkar (TE-ETRX) secured third place in Project Deep Blue Hackathon along with a cash prize of 50,000 Rupees. The team guided by mentor Mr. Richard Joseph (Assistant Professor, Department of Computer Engineering) comprised Hitakrit Goplani (TE-CMPN), Shuti Dalvi (TE, CMPN), Swara Nabar (TE, CMPN), and Krish Mehta (TE, CMPN) won a cash prize of Rs. 3000 in the event Technosparks '23 by FCRIT.

The team comprising of Hrishikesh Kumbhar (TE-INFT), Atharva Bhoite (TE-INFT), Shreyansh Singh (TE-INFT), and Sarvesh Patil (TE-INFT) secured 3rd position in Code-a-thon by CSI of Datta Meghe College of Engineering. The team guided by Dr. Nandini Ammanagi (Assistant Professor, Department of Electronics and Telecommunication Engineering) comprised of Rohan Giri (BE-EXTC), Shripad Kulkarni (BE-EXTC), Adarsh P.S (BE-EXTC), and Bhavesh Khati (BE-EXTC) won the XZIBIT National Level Project Competition hosted by KC College of Engineering, Thane.

Awakening The Scientists Competition 2022-23 was a significant event organized by the Department of Humanities and Applied Science in collaboration with VESIT-IIC and VESIT-IQAC held on 21st April 2023. On the eve of World Creativity Day 2023, the Information Technology Department organized "ProtoIT", a highly anticipated competition that aimed to foster innovation and creativity among students by encouraging them to propose solutions for real-life problems. On the eve of World Creativity Day 2023, the Information Technology Department organized "ProtoIT", a highly anticipated competition that aimed to foster innovation and creativity among students by encouraging them to propose solutions for real-life problems. The E-SUMMIT was organized by VRC and VESIT E-Cell in Association with VESIT-IIC and VESIT-IQAC on 5th and 6th of April, 2023.

On the occasion of Technology Day a special Training Session on Matlab was successfully conducted on 20 March 2023. On 3rd April, the Department of Automation and Robotics had organised a motivational session on 'Industrial Automation - Changing Landscape and Emerging Opportunities'. On 8 and 10 of April 2023 the Department of Electronics Engineering and Computer Engineering, in association with VESIT-IIC and VESIT-IQAC had organized a workshop on 'PCB Development for Project Designing'. Under the guidance of the VESIT-IQAC and VESIT Research Forum and in association with the VESIT-IIC, celebrating World Creativity and Innovation Day, the Computer Engineering department organized an interactive session on "Innovation in Big Data Analytics For Business Intelligence" on 21 April 2023. In a quest to bridge the gap between theoretical knowledge and practical application, the Department of Automation & Robotics at

VESIT organized an enriching industrial visit to Kellogg India Private Ltd, a trailblazer in the food processing industry. The VESIT Research Forum Talk took place on 25th May 2023 organized by the Department of MCA.

The technical societies, CSI-VESIT, IEEE-VESIT, ISA-VESIT, ISTE-VESIT, organized their annual event symposium from 10th to 13th April. CSI-VESIT and ISA-VESIT launched their own mobile applications during their respective events. On 6 May 2023, Shreshtha an outdoor sports single day event took place on VESIT's Polytechnic ground, organised by the sports council, Master of Computer Application Department.

The Departments of Information Technology, Computer Engineering, Instrumentation Engineering, Electronics Engineering, Electronics and Telecommunication, organized their convocation and degree distribution ceremonies in the month of April 2023 for the Batch of 2018-2022.

HIGHLIGHTS

A Grant-in-Aid of Rs. 82.59 Lakhs from the Ministry of Electronics and Information Technology (MeitY), Government of India has been awarded to VESIT. The grant, received under the "Chips to Startup (C2S)" category-I initiative, spans a three-year period and aims to drive forward the academia-industry partnership. VESIT became the sole private college from Maharashtra to placed under category-I.

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Our college was shining in the SPIT Innovation cup this year since two teams won this year and both teams are from the Electronics and Telecommunication Engineering Department. The first team bagged Rs 5000. Second team won Rs. 5000 and the third team was awarded Rs. 2500 for their prototypes.

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All the technical societies organized one last blast, Symposium, to bid goodbye to their fellow members and team. Chief guests were invited, who interacted with the audience. The events were organized by the societies themselves to commemorate the efforts taken by the societies and to give a farewell to the heads.

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The E-SUMMIT featured Mr. Aman Goel, who is an entrepreneur, sharing his journey and Brigadier Sushil Bhasin, a Military-Inspired Leader and Time Consciousness Coach, discussed leadership and time management. The event encouraged entrepreneurship and provided valuable insights.

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The students of VESIT won third prize and a cash reward of a whopping Rs. 50000 at Project Deep Blue for their proposed project. Project Deep Blue is a hackathon in India that encourages change-makers and forward thinkers to challenge the status quo. It is a beginner's hackathon that shows their will to tackle real-world problems and find solutions with determination.

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VESITians receiving a cash prixe of Rs. 50,000 at Project Deep Blue hackathon

The "Awakening The Scientists Competition 2022-23" was a notable event jointly organized by the Department of Humanities and Applied Science in partnership with VESIT-IIC (Institution's Innovation Council) and VESIT-IQAC (Internal Quality Assurance Council). Held on April 21, 2023, this 6-hour event served as a platform for first-year students to present their inventive ideas. It was categorized as a contest with a focus on "Research, Development, and Innovation."

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The Shreshtha outdoor sports event was organized by the Master of Computer Application Department's sports council. The event aimed to promote unity and camaraderie among MCA students, fostering familiarity and eliminating anonymity among different batches. The event witnessed a high level of student participation, with their enthusiasm contributing to its success.

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All the departments organized the mega event to bid goodbye to the fourth-year students. Chief guests were invited to grace the Convocation Ceremony. The event organized by the faculties of the Department was to celebrate the success of the students. The main highlight of the event was Degree Distribution Ceremony.

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VESITians graduate with flying colours

ACHEIVEMENTS

VESIT bagged a grant of Rs. 82.59 Lakhs

~ Shraeyaa Daigude

In a groundbreaking accomplishment, **V.E.S Institute of Technology** in Chembur has been awarded a Grant-in-Aid of **Rs. 82.59 Lakhs** from the **Ministry of Electronics and Information Technology** (MeitY), Government of India. This commendable achievement is a testament to the institution's dedication to pioneering research and academic-industry collaboration.

The grant, received under the **"Chips to Startup (C2S)"** category-I initiative, spans a three-year period and aims to drive forward the academia-industry partnership. The project titled "Development of ASICs or SoCs for programmable gain amplifier and reconfigurable ADCs for wide range of applications" demonstrates VESIT's innovative vision in the field of electronics.

Notably, VESIT stands out as the sole private educational institution in Maharashtra to be selected under category-I, marking a remarkable milestone. This marks the institution's inaugural venture into the realm of VLSI chip design research, representing a significant leap towards fostering research and innovation within its academic community.

The C2S program, with its objective of establishing a robust semiconductor design and innovation ecosystem, aligns perfectly with VESIT's aspirations. Alongside the grant, VESIT has been bestowed with remote access to development tools valued at over Rs. 1 crore. This generous provision bolsters the resources essential for the successful execution of the project, propelling VESIT's ongoing mission of promoting research and innovation.

The project is an extension of the pioneering PhD endeavors undertaken by **Dr. Nilima Warke** (Associate Professor, Department of Automation and Robotics), and **Dr. Jayamala Adsul** (Assistant Professor, Electronics and Science Department). Their efforts are guided under the mentorship of **Dr. P. P. Vaidya**, Emeritus Professor and Honorary Dean of Research and Development. The project's implementation will be carried out collaboratively with the esteemed **Shri. Amit Rambhia**, Chairman and Managing Director of Panache Digilife Ltd, and a distinguished alumnus of VESIT.

This triumph is a result of the unwavering encouragement and support from **Dr. (Mrs.) J. M. Nair**, Principal of VESIT, and **Shri. B. L. Boolani**, Managing Trustee. Their dedication to fostering a culture of research and innovation within the institution has played an instrumental role in this remarkable achievement.

In conclusion, VES Institute of Technology's reception of the MeitY grant signifies not only a financial endorsement but also a recognition of the institution's forward-thinking approach to research, innovation, and academia-industry collaboration. This milestone solidifies VESIT's position as a trailblazer in technological education and sets a high bar for future initiatives.

Poster of the event "Chips to Startup (C2S) Programme"

Victory At The SPIT Innovation Cup

~ Nikunj Pal, Meghna John

Our college was shining in the **SPIT Innovation cup** this year since two teams won this year and both teams are from the Electronics and Telecommunication Engineering Department. The first team consisted of **Ishan Kharat** (BE-EXTC), **Kartik Avhad** (BE-EXTC), **Sumit Jadhav** (BE-EXTC), **Devesh Ramesh** (BE EXTC) and **Dhaval Mahajan** (BE-EXTC). The second team consisted of **Farheen Khan** (BE-EXTC), **Heeral Chumber** (BE-EXTC), **Riddhi Joshi** (BE-EXTC), **Arunkumar Marippan** (BE-EXTC) and **Suresh Bairi** (BE-EXTC).

And since only winning two competitions in the same college wasn't enough, the students from the same department that is Electronics and Telecommunication Engineering have made us proud for the third time by winning the Peripherathon 1.0 IOT Hardware Hackathon conducted by SPIT. The third team consisted of **Abhishek Bhatia** (BE-EXTC), **Avantika Shetty** (BE-EXTC), **Shweta Bhabal** (BE-EXTC), **Nafees Akhter** (BE-EXTC) and **Gaurang Kedare** (BE-EXTC).

The first team was led by **Mrs. Manisha Chattopadhyay** (Deputy Head of Department, Electronics and Telecommunication Engineering) and the project they built was a **MEMS-Based Soil Nutrient Sensor** and **ML-Based Crop Recommendation System**. The team won Rs. 5,000 for their prototype. The second and third teams both were guided by **Mrs. Ashwini Sawant** (Assistant Professor, Department of Electronics and Telecommunication Engineering). The second team built a **Hydra Matsyapalan**. The team won Rs. 5,000 for their prototype. The third team built an **IoT Powered Smart Baby Stroller** and won Rs. 2500 for their project.

Poster of the event - SPIT Innovation Cup

Project Deep Blue bagged Rs. 50,000

~ Joanna Sanju

Project Deep Blue is a hackathon in India that encourages change-makers and forward-thinkers to challenge the status quo. It is a hackathon for beginners that also signifies their willingness to dive into real-world problems, the determination to get to the bottom of the issue and the drive to find a solution. The proposal submitted by **Jheel Panchal** (TE-ETRX) and **Aroha Adavadkar** (TE-ETRX) for the project was accepted for the semi-final round. For the semi-finals, 65 teams were selected, including our college's team. The finals were held on 20 April, 2023, in which 7 teams were selected, and our college's team secured the third position along with a cash prize of 50,000 Rupees.

Prize Distribution

The topic chosen was 'IoT-based smart bottles for the healthcare sector'. Hospitals use simple electrolyte bottles with no indication, which may create a problem for the patient because the reverse flow of blood starts to flow from the body towards the bottle. Sometimes air embolisms can occur, which is fatal. The proposed solution helps the nurse to monitor the saline level from her station and remotely clamp the saline tube through the app whenever needed. And if nobody attends it, the saline tube will automatically get clamped at a critical point (5% of total volume).

VESIT Team Excels at Technosparks'23

~ Brijesh Sharma

The students of the Department of Computer Engineering brought success to the college in the event **Technosparks'23**. The event took place at Fr. C Rodrigues Institute of Technology on 5 April 2023. The team guided by mentor **Mr. Richard Joseph** (Assistant Professor, Department of Computer Engineering) comprised **Hitakrit Goplani** (TE-CMPN), **Shruti Dalvi** (TE-CMPN), **Swara Nabar** (TE, CMPN), and **Krish Mehta** (TE, CMPN). The project presented by the team was **Sound Mate**.

The team members won 3,000 cash prize and a keyboard and mouse set was awarded to each one. Among the 40+ teams that participated, the students of VESIT proved their competence and dedication. Soundmate is an innovative IoT-based smart wearable designed for the hearing impaired. It utilizes Edge Computing to provide real-time environmental information through Audio-Tactile Conversion (ATC) and Audio-Visual Conversion (AVC). Equipped with a microphone, it captures and identifies various sounds, including potential hazards like sirens and horns. The device proactively alerts users to ensure safety and integrates with a mobile app for visual notifications, offering a comprehensive solution with customizable alerts for user convenience. The users can also set custom words for which they wish to receive alerts.

(L-R): Team members Hitakrit Goplani (TE-CMPN), Krish Mehta (TE-CMPN), Mr. Richard Joseph (Assistant Professor, Department of Computer Engineering), Shruti Dalvi (TE-CMPN), Swara Nabar (TE-CMPN)

Code-a-thon Achievers of VESIT

~ Riya Varyani

The Code-a-Thon event was held on 17 February 2023 by the Computer Society of India (CSI) of Datta Meghe College of Engineering in which a team of students from VESIT achieved a remarkable victory. The team comprising of **Hrishikesh Kumbhar** (TE-INFT), **Atharva Bhoite** (TE-INFT), **Shreyansh Singh** (TE-INFT), and **Sarvesh Patil** (TE-INFT) secured 3rd position in this prestigious hackathon and made the college proud.

In **Code-a-Thon**, students were encouraged to build programs for the betterment of mankind. Code-a-Thon is an event where developers are encouraged to build original and functional prototypes of an application. **DEMETER: THE FARMING ASSISTANT**, which was developed by the winning team of our college, which offers farmers a range of tools, including disease detection and treatment guidance. This platform also offers a curated list of suitable crops and fertilizers. Another standout feature of Demeter is its detailed weather forecast analysis, enabling farmers to make informed decisions about their farming activities over the next few days.

(L-R): Sarvesh Patil (TE-INFT), Atharva Bhoite (TE-INFT), Hrishikesh Kumbhar (TE-INFT), and Shreyansh Singh (TE-INFT) secured third position in the prestigious hackathon arranged by CSI of DMCE

Win at XZIBIT

~Anish Padhye

Two student teams have brought immense pride to VESIT by emerging victorious at the **XZIBIT National Level Project Competition** hosted by KC College of Engineering, Thane on April 8 and 10, 2023. In category Major Projects the team comprising of **Rohan Giri** (BE-EXTC), **Shripad Kulkarni** (BE- EXTC), **Adarsh P.S** (BE-EXTC), and **Bhavesh Khati** (BE-EXTC) won the **first prize**. In category Minor Projects **Gaurang Desai** (TE-INFT), **Suleman Mathekar** (TE-INFT) and **Diya Shah** (TE-INFT) won the **second prize.**

The winners of the Major Projects category had made an **'IoT-based Wireless Cloud Printer'** under the guidance of **Dr. Nandini Ammanagi** (Assistant Professor, Department of Electronics and Telecommunication Engineering). The project worked on the principle of utilizing the stream of IoT to control and manage printing services at a location from anywhere in the world through the Internet. The system enables easy access to information that is to be immediately reached as well because we live in an era where the internet reaches the destination faster than a clockticking for a second. This enables sharing data to be easier and cheaper. The project was also selected in the '**Bit and Build' National Level Project Competition** which was funded by the Google Developers Students Club of CRCR and UMIT and IEEE Ideathon which was organized by the Bombay section of IEEE.

(L-R): The team along with their mentor Adarsh P.S (BE-EXTC), Bhavesh Khati (BE-EXTC), Dr. Nandini Ammanagi (Assistant Professor, Department of Electronics and Telecommunication Engineering), Rohan Giri (BE-EXTC), and Shripad Kulkarni (BE-EXTC)

(L-R): The team under the mentorship of Mrs. Sukanya Roychowdhury (Assistant Professor, Department of Information Technology) and the members, Suleman Mathekar (TE-INFT), Diya Shah (TE-INFT), and Gaurang Desai (TE-INFT)

The winners in the Minor Projects Category had presented project titled **'Eplieptic Seziure Prediction System'** under the mentorship of **Mrs. Sukanya Roychowdhury** (Assistant Professor, Department of Information Technology). This system helps patients with epilepsy to predict upcoming seizures effectively and take necessary preventive measures.

TECHNICAL COMPETITIONS

Engineer Awakens The Scientist

~ Vinit Solanki

Awakening **The Scientists** Competition 2022-23 was a significant event organized by the Department of Humanities and Applied Science in collaboration with **VESIT-IIC (Institution's Innovation Council)** and **VESIT-IQAC (Internal Quality Assurance Council).** The event took place on 21 April 2023 and lasted for 6 hours. It aimed to provide a platform for first-year students to showcase their innovative ideas. The program fell under the category of a contest with the theme of **"Research, Development and Innovation."** Its primary objective was to create awareness about the rapid technological advancements and to help the first year students to understand the historical context and future prospects of various technologies.

The event started with a speech given by **Mr. A Nagananda** (Training and Placement officer, VESIT) with the staff co-ordinators **Mr. Vijay Shejwalkar** (Assistant Professor, Department of Humanities and Applied Science)**, Mr. Mahesh Singh** (Assistant Professor, Department of Humanities and Applied Science) and **Ms. Ramya T.** (Assistant Professor, Department of Humanities and Applied Science). The event, conducted over three days, emphasized the significance of idea pitching and the practical application of scientific discoveries in everyday life. Prof. Nagananda highlighted the ever-changing landscape of technology and connected the evolution of certain technologies from the past to their current and future potential. Additionally, he underscored the importance of strong technical knowledge and collaborative group work skills in the competitive world. The event was promoted on various social media platforms such as Twitter, Facebook, and Instagram, with links provided for attendees to access further information. However, the detailed expenditure for the event was not mentioned in the report. This exercise aimed to foster an understanding of fundamental science impacts our day-to-day activities.

In total, 19 groups, comprising 66 students, registered for the event and some groups were eliminated accordingly. The Final event was judged by **Dr. Sunil Kishanchandani** (IIT-JEE Maths Faculty)**, Dr. Nadir Charniya** (Professor, Department of Electronic and Telecommunication Department)**,** Mr. Nagananda A. Participating students were organized into groups, and each group was tasked with identifying the underlying engineering and technology within common gadgets and tools used in daily life. This event was categorised into 2 rounds. In the first round every group has to present their ideas via presentation and were selected on the basis of their research on the topic, co-ordination in the group, answers to the counter question asked by the Judges from Department of Humanities and Applied Science**: Dr. Anisha K** (Assistant Professor, Department of Humanities and Applied Science), **Dr. Dinesh Shinde** (Assistant Professor, Department of Humanities and Applied Science Department), **Dr. Srimantha Maji** (Assistant Professor, Department of Humanities and Applied Science), **Dr. Pradnya Parab** (Assistant Professor, Department of Humanities and Applied Science), **Dr. Payel Bandhopadhyay** (Assistant Professor, Department of Humanities and Applied Science), **Mrs. Kusum Kardam** (Assistant Professor, Department of Humanities and Applied Science).

The winning position of Awakening The Scientist 2022-23 was bagged by the trio, **Ayush Bohra** (FE-AIDS)**, Piyush Patil** (FE-AIDS) **and Sandesh Lavshetty** (FE-AIDS)**,** with an idea of **"Air Filter"** to prevent cancer by implementing various layer to kill the microbes in the filter. After the event all participants were awarded with certficates.

In summary, "Awakening The Scientists Competition 2022-23" was an engaging and informative event that provided first-year students with a platform to showcase their innovative ideas.

Team "Awakening The Scientist" with the winners of the year 2022-23

(Top-Bottom, L-R): Dr. Sunil Kishanchandani (IIT-JEE Maths Faulty), Ms. Ramya T. (Assistant Professor, Department of Humanities and Applied Science), Dr. Payel B Bandhopadhyay (Assistant Professor, Department of Humanities and Applied Science), Dr. Pradnya Parab (Assistant Professor, Department of Humanities and Applied Science), Mrs. Kusum Kardam (Assistant Professor, Department of Humanities and Applied Science)

When Technology Meets Creativity

~ Vinit Solanki

On the eve of **World Creativity Day 2023**, the Information Technology Department organized "**ProtoIT**", a highly anticipated competition that aimed to foster innovation and creativity among students by encouraging them to propose solutions for real-life problems. The event was part of the **eDisha series** of events and saw enthusiastic participation from nine diverse groups, each presenting their unique ideas in domains such as Education, Health, and Automation. The competition was judged by **Dr. Manoj Sabnis** (Deputy Head, Department of Informantion Technology) and **Mrs. Asma Parveen** (Assistant Professor , Department of Information Technology), with two outstanding teams from the second and third year emerging as the winners.

The competition witnessed the participation of nine groups of students, each bringing forward their innovative solutions to tackle challenges in various sectors. The presentations encompassed a wide range of domains, showcasing the versatility and ingenuity of the Information Technology students.

Winning Teams and Projects:

1. **Automated Email Attendance System**- The winning team from the third year proposed an "Automated Email Attendance System" to address the prevalent issue of attendance management in educational institutions. The team members, **Pushkaraj Chaudhari (TE-INFT), Mayuri Yerande (TE-INFT)**, and **Kedar Gawhankar (TE-INFT)**, presented a seamless solution that utilized automation to simplify the process of attendance tracking. Their system utilized student IDs and smart devices to monitor attendance and automatically send emails to absentees, encouraging better attendance and reducing administrative workload. security cameras, and home appliances, making everyday living more comfortable and environmentally friendly.

2. **Smart Home**- This second-year team impressed the judges with their project titled "Smart Home." The team members, **Kirti Eppanapally (SE-INFT), Vinay Suryarao (SE-INFT), and Ruchita Dalvi (SE-INFT),** showcased a comprehensive home automation system that integrated various IoT devices. Their solution aimed to enhance the convenience, security, and energy efficiency of residential spaces. The system `demonstrated efficient control of lighting, temperature,
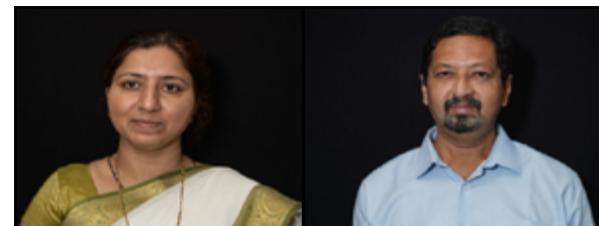
3. **Group Expense Tracker**- This second-year team made it to the winner's circle with their project called "Group Expense Tracker" **Siddhant Bhoi (SE-INFT)** and, **Shubham Bablu Jha (SE-INFT)** presented an effective and user-friendly application that simplified tracking and managing group expenses. Their solution was geared towards ease of use and provided real-time updates, ensuring seamless expense management for group activities, trips, or shared living arrangements.

The diverse range of projects presented by the nine participating teams showcased the potential of young minds in addressing real-world challenges using technology. The winning teams, from both the second and third year, displayed exceptional problem-solving skills and presented ideas that had practical applications in everyday life. The event provided an excellent platform for students to showcase their talents and ideas, and the organizers, judges, and participants deserve commendation for making the competition a memorable and insightful experience.

Students presenting their project

(L-R): Judges of the competition Mrs. Asma Parveen (Assistant Professor, Department of Information Technology, and Dr. Manoj Sabnis (Deputy Head, Department of Informantion Technology)

Students presenting their ideas and solutions

Moving Towards an Innovative World

~ *Sujal Sahu*

On 15 April 2023, the Electronics department of our institute conducted an idea competition named **INNOVESIT'23**. The objective of the competition was to encourage creativity and innovation among the students and provide them with a platform to showcase their skills.

The competition was held in the Electronics department room number CA2. The competition was judged by a panel of two judges, consisting of one faculty member from the Artificial Intelligence and Data Science department **Dr. Anjali Yeole,** (Deputy Head, Department of Artificial Intelligence and Data Science Engineering) and one Industry expert **Mr. Malhar Chaudhari, Principal Engineer at Oracle**. A total of 15 teams participated and each team was given 10 minutes to present their ideas and another 5 minutes for the judges to ask questions and provide feedback.

The teams presented a wide range of innovative ideas, including Efficient FPGA Implementation Of Convolution, Generating Question Paper from Notes, Court Cases Priority Scheduling, Bhartiya Bhasha Toy Sanganak and many more.

The presentations included prototypes, market analysis, and feasibility studies. The first prize was awarded to the team from the Electronics and Telecommunication department for their idea of **Bhartiya Bhasha Toy Sanganak**, which had the potential to save Bhartiya language knowledge. The second prize was awarded to the team from the Electronics and Telecommunication department for their idea of a MorsePi and from the Computer department, Court Cases Priority Scheduling. The third prize was awarded to the team from the Electronics department for their VeriVoice - Voice-based Authentication.

The INNOVESIT'23 idea competition was a huge success, with enthusiastic participation from all the departments. The event was highly appreciated by the participants, and it is expected to become an annual event in the future.

Dr. Anjali Yeole (Deputy Head, Department of Artificial Intelligence and Data Science Engineering) and Mr. Malhar Chaudhari, Principal Engineer at Oracle

Presentation by a team

Future Tycoons

~ *Bhumisha Parchani*

The E-SUMMIT was organized by **VESIT Renaissance Cell (VRC) and VESIT E-Cell in Association with VESIT-IIC (Institution's Innovation council) and VESIT-IQAC (Internal Quality Assurance Cell)** on 5th and 6th of April, 2023. **E-Summit** is the flagship event of VESIT E-CELL. It was a two day extravaganza consisting of fun events, workshops of notable speakers and entrepreneurs and the internship mela. It was targeted towards all VESIT students. The main objective of the event was to give a platform to students to showcase their entrepreneurship skills and knowledge and also to give them an insight of the entrepreneurial world ahead of them

The event featured TEDx speakers and Military Inspired Leader and Time Consciousness Coach where they shared their entrepreneurial journey and VESIT E-CELL also organized a fun event named 'VESIT NEXT ENTREPRENEUR' where the team conducted various quiz rounds and tasks on entrepreneurship to engage the attendees The event started with a keynote speech by **Mr. Aman Goel**, who shared his entrepreneurial journey with the attendees. He talked about the challenges he faced while starting his business and how he overcame them. He also shared his experiences of scaling his business and the importance of perseverance and hard work in achieving success. It also inlcuded various quiz rounds and tasks on entrepreneurship to engage the attendees and
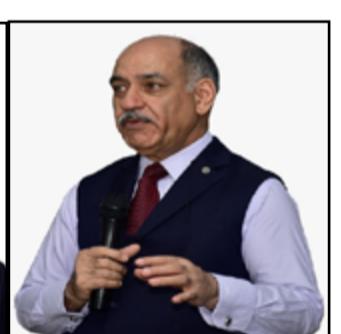
test their knowledge. The quiz rounds included questions on different aspects of entrepreneurship such as business planning, marketing, finance, and leadership. The attendees were divided into teams and they competed against each other in the quiz rounds.

Some of the various tasks related to entrepreneurship, such as pitching a business idea, creating a marketing strategy, and developing a business plan were also discussed. The attendees had to work and present their ideas to the judges. The tasks were designed to help the attendees apply their knowledge of entrepreneurship and think creatively.

On 6 April 2023, the talk was delivered by a Brigadier **Mr. Sushil Bhasin** Military-Inspired Leader and a Time Consciousness Coach. The speaker shared his perspectives on leadership and time management, drawing from their own experiences and expertise. He emphasized the importance of discipline, structure, and teamwork in achieving success. He also shared his experiences of leading teams in high-pressure situations and the importance of effective communication and decision-making. The talk was followed by a Q&A session, where attendees had the opportunity to ask questions and seek clarifications. The speakers provided thoughtful and informative answers, and the attendees found the session engaging and informative.

Overall, the event was an excellent showcase of the potential of leadership and time management

for college students. The event was a great success and saw very huge and enthusiastic participation from students. It provided a valuable platform for students to connect, learn, and collaborate. The insights and experiences shared by the keynote speaker were insightful and thought-provoking.

(L-R): Speaker of the event Mr. Aman Goel and Brigadier Sushil Bhasin

Students of VESIT attending the event arranged by E-Cell

TECHNICAL UPSKILLING

SEL on Hardware integration with Matlab

~ Sujal Sahu

On the occasion of Technology Day a special Training Session on Matlab was successfully conducted on 20 March 2023. This Training was provided by the representatives of **M/s Designtech Solutions.**The main Objective was to motivate students and faculty to improve the skill set in various technologies using advanced Tools.

The session began with a formal welcoming of the expert from Matlab **Mr. Kunal Khandelwal** who is expert in various areas of Technology and tool boxes of Matlab programming Tool.11 Faculty Members and 12 Students were among the attendees. Mr. Kunal helped them to proceed through various Tasks in the training modules. Faculty and students solved their doubts and their queries from Mr Kunal.

(L-R): Dr. Nupur Giri (Head, Department of Computer Engineering), Dr. Dashrath Mane (Assistant Professor, Department of Computer Engineering), and Dr. Prashant Kanade (Assistant Professor, Department of Computer Engineering)

Dr. Nupur Giri (Head of the Department, Computer Engineering) provided guidelines to conduct the session and same was successfully coordinated by **Dr. Prashant Kanade** (Assistant Professor, Department of computer Engineering, VESIT) and **Dr. Dashrath Mane** (Assistant Professor, Department of computer Engineering).

Expert Mr. Kunal Khandelwal explaining the students

Exploring Industrial Automation

~ Anish Padhye

On 3rd April, the **Department of Automation and Robotics** had organised a motivational session on '**Industrial Automation - Changing Landscape and Emerging Opportunities**' from 1.00 pm to 3.00 pm. The event was held in the auditorium of VESIT under the guidance of **VESIT-IIC (Institution's Innovation Council)** and **VESIT-IQAC (Internal Quality Assurance Cell).** The speaker of the program was **Mr. Anil Bhatia**, **Vice President and Managing Director of Emerson Automation Solution, India**.

The objective of the session was to make the students aware of the present and future trends of the industry and help them choose the right career option in thelarge field of automation and introducing them to the functions and vision of Emerson Automation Solutions Pvt. Ltd acknowledging the trends in the industry.

The session began with the host introducing our honourablespeaker, Mr. Anil Bhatia. Mr. Bhatia started the session by giving a simple introduction to automation and explaining the difference between instrumentation and automation.

The speaker Mr. Anil Bhatia

He later discussed the three major parameters in the functioning and coordination of the industry that includes diversity, inclusion, and belonging, with a simple and beautiful real-time example explaining the meaning and importance of each of them. The audience gained useful insights when Mr. Bhatia shared an overall glance about the sales, location, and market capitalization of Emerson Automation SSolutions, along with a small message from the CEO of the company.He further talked about environmental sustainability, energy optimization, and its need . He discussed various important objectives such as energy source decarbonization, electrification, system integration, and energy optimization in order to promote and adopt green energy in the future. He discussed various topics such as data analytics, predictive maintenance, augmented reality, the digital twin, and cyber security. The digital twin was the most informative concept that was discussed in the session. The speaker then discussed various industrial career opportunities in automation and advised students to choose the perfect career option.

The conclusion was sweet and inspiring as Mr Bhatia shared a positive thought encouraging good mindset and finding the right path.

PCB Dev for Project Desiging

~ Anish Padhye

On 8 and 10 of April 2023 the **Department of Electronics Engineering and Computer Engineering**, in association with **VESIT-IIC (Institute Innovation Council) and VESIT-IQAC (Internal Quality Assurance Cell)** had organized a workshop on '**PCB Development for Project Designing**'.
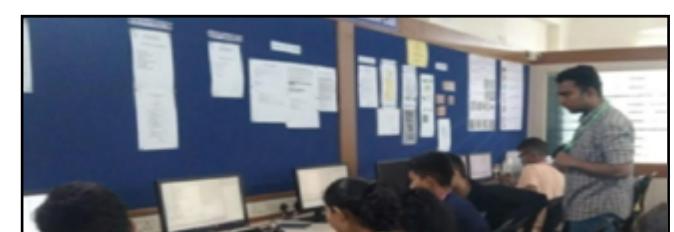
The co-ordinators for the workshop were **Mr. Yogesh Pandit** (Assistant Professor, Department of Electronics and Computer Science) and **Mr. Parmeshwar Birajdar** (Assistant Professor, Department of Electronics and Computer Science). The main objectives of the workshop were. A total of 38 students of first and second year actively participated in the conducted session. The main objectives of the workshop were-

To understand the basics of Printed Circuit Board (PCB) Design. To learn how to use PCB Design Software, To understand PCB fabrication and assembly, To learn troubleshooting skills.

On the first day, 8th April, Mr Yogesh Pandit gave a basic overview of PCB Development covering the topics of PCB Design, schematic capture and PCB layout. He further taught about timer IC 555, its internal circuit diagram, different operating modes and their applications, designing of IC 555 in Astable multivibrator mode. During this workshop the electronic circuit for of blinking of the two LED's with delay time of 2 second was designed live and its implementation & demonstration was shown on the Tinkercad simulator.

After successfully simulating the circuit, hands on session of was taken on how to use Easily Applicable Graphical Layout Editor (EAGLE) which is a popular Electronic Design Automation (EDA) software used for designing and prototyping printed circuit boards (PCBs) to prepare the negative of the designed circuit. Day one concluded with the preparation of the negative of the given project by each participant.

Students learning about the EAGLE software

10th April was more about the complete PCB fabrication and it's other elements. It was well explained and demonstrated in the dark room of the PCB workshop lab 203. The fabricated PCB boards of the project were distributed to the participants after which drilling, component mounting, soldering, cutting, testing and troubleshooting of the designed circuit was successfully completed.

Students designing the PCB

Mr. Yogesh Pandit (Assistant Professor, Department of Electronics and Computer Science) explaining the students

Unveiling Wireless Sensor Networks

~ Nikunj Pal

The Research Forum of VESIT, in collaboration with the **VESIT-IQAC (Internal Quality Assurance Cell) and VESIT-IIC (Institution's Innovation CounciL)**, organized an informative session on **'An overview and applications of Wireless Sensor Networks'** on 12 April 2023, from 2 p.m. to 3.30 p.m. The distinguished speaker for the session was **Dr. Uttara Dhananjay Gogate, Head of the Department of Computer Engineering at Shivajirao S. Jondhale College of Engineering, Dombivli (East)**. The event was well-attended by students and faculty members alike, who eagerly awaited insights into the world of wireless sensor networks.

Dr. Gogate commenced the session by presenting a video showcasing upcoming and existing technologies as recognized by the World Economic Forum. Following the captivating video, she delved into the core subject matter, providing a comprehensive explanation of Wireless Sensor Networks (WSN) and their functioning. The introductory section emphasized the interconnection of multiple sensors, known as nodes, and highlighted the role of super nodes, exemplified through applications like precision agriculture and Centralized Patient Units. In the subsequent segments, Dr. Gogate shed light on the two main components of WSN, namely Sensor Nodes and Network Nodes. She provided a succinct overview of the basic sensor construction and its classification. Moreover, the session elaborated on the classification of network architecture into two broad types: Single Hop and Multi-Hop, each serving distinct purposes and applications.

(L-R): Mrs. Mugdha Jogalekar (Assistant Professor, Department of Automation and Robotics Engineering), and speaker of the session Dr. Uttara Dhananjay Gogate

To deepen participants' understanding, Dr. Gogate introduced the concept of 'Mote' and its application in the WSN domain. One of the essential aspects covered in the session was the design challenges faced by manufacturers and designers of wireless sensor networks. Dr. Gogate outlined the hurdles in developing efficient and reliable WSN systems. Furthermore, a comparative study of various network technologies, including 5G, 4G, NFC, Zigbee, and WLAN, was presented through comprehensive tables and graphical analyses. A critical distinction was drawn between the Internet of Things (IoT) and Wireless Sensor Networks.

Dr. Gogate clarified that IoT devices are directly connected to the Internet, while WSN operates autonomously within its network, primarily communicating with nodes and central network devices. In the final part of the session, Dr. Gogate shared a plethora of real-world applications for WSN and IoT across diverse domains. With this interactive session, participants were inspired to explore more in this field.

Throughout the presentation, a question-and-answer session was conducted, fostering a spirit of curiosity and enthusiasm among the students and faculty. The engaging interaction allowed attendees to seek clarifications and delve deeper into the subject matter. The session culminated with a vote of thanks delivered by **Mrs. Mugdha Jogalekar** (Assistant Professor, Department of Automation and Robotics Engineering), expressing gratitude to Dr. Uttara Dhananjay Gogate for her insightful and enlightening discourse on wireless sensor networks.

In conclusion, the session proved to be an educational and inspiring event that exposed participants to the vast potential and applications of WSN. Dr. Gogate's expertise and engaging presentation style left a lasting impression on the audience, encouraging them to explore this cutting-edge field and contribute to the ever-evolving world of technology.

Session being conducted by Dr. Uttara Dhananjay Gogate

Data Analytics is now in business

~ Meghna John
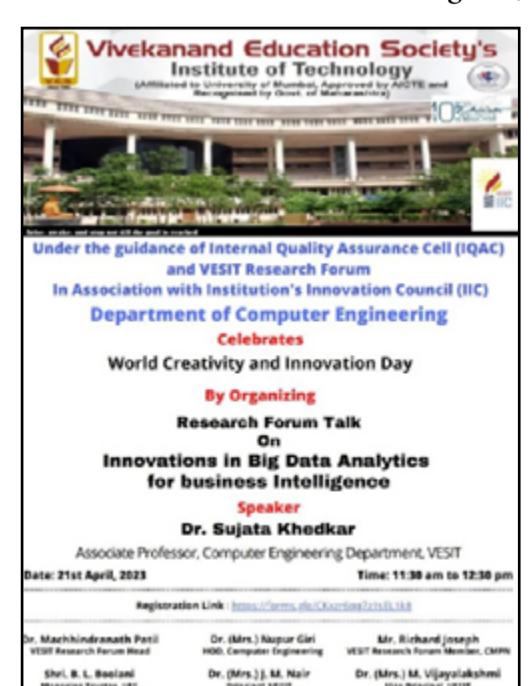
Under the guidance of the **VESIT-IQAC (Internal Quality Assurance Cell) and VESIT Research Forum**, In association with the **VESIT-IIC (Institute's Innovation Council)** celebrating **World Creativity and Innovation Day**, the Computer Engineering department on 21 April 2023 organized an interactive session on "**Innovation in Big Data Analytics For Business Intelligence**" The session aimed to provide students with an outlook towards the latest advancements and cutting edge techniques used in harnessing big data for business intelligence purposes. The speaker of this session was **Dr. Sujata Khedkar** (Associate Professor, Department of Computer Engineering).

The session included Real-World Case Studies demonstrating successful implementations. One of the Case Studies demonstrated Praises and Complaints Analytics of customer reviews for business intelligence. Important points like prospects and emerging trends in big data analytics were also discussed. The event concluded with an active Q&A session for interactions and clarifications. The session witnessed active participation from students and faculties.

Speaker of the event: Dr. Sujata Khedkar (Associate Professor, Department of Computer Engineering)

Poster of the event

VESIT Students Gain Valuable Industry Insights

~ Vinayak P.

In a quest to bridge the gap between theoretical knowledge and practical application, the Department of Automation & Robotics at VESIT organized an enriching industrial visit to **Kellogg India Private Ltd,** a trailblazer in the food processing industry. The event, conducted over three days from 14th to 18th April 2023, provided students with an immersive experience into the intricacies of food production, safety measures, and quality standards.

With the vision of fostering industrial exposure and promoting experiential learning, the event saw the participation of 65 enthusiastic students and two faculty members. The visit aimed to give the students a deeper understanding of the realworld application of the subjects they have been studying in their academic curriculum.

During the visit, the students had the privilege to interact with industry experts, including **Mr. Antony D'souza, Health & Hygiene Manager, and Mr. Gaurav Chavan, Plant Supervisor**. These knowledgeable speakers shed light on the various steps involved in the production of food products, emphasizing the significance of health, hygiene, and safety protocols.

Throughout the 21-hour visit, students observed the inner workings of a large-scale food processing factory, witnessing firsthand the seamless coordination of various units and the implementation of automation and robotics in the production process. This experience proved invaluable as they connected the dots between theory and application, paving the way for their future careers.

One of the highlights of the visit was the emphasis on safety measures and quality assurance. Students were made aware of the stringent protocols followed by the industry to ensure the production of safe and superior-quality food products. This exposure instilled a deeper sense of responsibility towards adhering to best practices in the field and raised their awareness of potential risks and hazards in an industrial setting.

As the visit concluded, the participants left with a newfound appreciation for the efforts involved in bringing a product from concept to consumer, recognizing the complex machinery and skilled labor that underpin the food processing industry.

The industrial visit to Kellogg India Private Ltd undoubtedly left an indelible impact on the students of VESIT, equipping them with practical insights, enhanced knowledge of the company and its products, and a profound understanding of safety measures in a manufacturing environment. This remarkable learning experience has further ignited their passion for the field of automation and robotics and will undoubtedly shape their future endeavors in the industry.

VESIT 3rd year students visit to Kellogg India Private Ltd

SAY HELLO TO NETWORKS

~Srushti Chopade

On 25th May, the **VESIT Research Forum Talk** took place in VESIT's room B14 at 10:30 a.m. organized by the Department of Master of Computer Application. The main objective of the event was to educate the students and faculties about unsupervised neutral networks, a powerful class of machine learning algorithms that excel in learning patterns from unlabelled data. The session started with an introduction of the speaker **Dr. Krantee Jamdaade**, who is an Assistant Professor at KJ Somaiya Institute of Management, Somaiya Vidyavihar University.

Dr. Krantee Jamdaade began the session by discussing the basics of Machine learning and the importance of neural networks and told that unlike supervised learning, where the algorithm is provided with labeled examples to learn from, unsupervised learning algorithms work with unlabeled data and aim to discover underlying patterns, relationships, and representations within the data. Speaker also took different mathematical problems based on various networks Kohouen Network, Max Net, Mexicon Hat Net etc.

Speaker of the session: Dr. Krantee Jamdaade

Question & Answer round was conducted simultaneously to encourage the participants and faculties. Overall the session went fruitful and was appreciated by the participants. Later **Dr. Dhanamma Jagli**, (Deputy Head, Department of Master of Computer Application) concluded the session with the vote of thanks.

Dr. Dhanamma Jagli (Deputy Head, Department of Master of Computer Application)

> " Industry 5.0 will make the factory a place where creative people can come and work, to create a more personalized and human experience for workers and their customers," said Esben Østergaard, Universal Robots chief technology officer and co-founder, in an article published on Enterprise IoT Insights.

WORLD AND ENGINEERING

Godrej & Boyce: Innovating Across Industries

~ Brijesh Sharma

Godrej & Boyce (G&B) stands at the forefront of the Godrej Group. Their scope of operations ranges from crafting intricate and customized engineering solutions for vital sectors such as aerospace, defense, clean energy, railways, and automotive, to manufacturing of branded goods. G&B places significant emphasis on forging adaptable, modular, cloud-based platforms that can be deployed throughout their organization. Within the domain of Artificial Intelligence (AI) and Machine Learning (ML), G&B is advancing its systems through pioneering methods.

They are in the process of designing smart appliances, furniture, locks, cameras, and an assortment of other devices equipped with cutting-edge chipsets and sophisticated IoT platforms. This empowers consumers to control these products via their smartphones, thereby enriching the overall customer experience. The company is also harnessing the capabilities of conversational AI and Robotic Process Automation (RPA) to elevate interactions for end customers as well as employees. To ensure a seamless 24x7 omnichannel experience for customers, they have introduced self-service bots, and they have deployed more than 80 RPA bots to automate manual processes across their entire value chain.

G&B embarked on its journey with robotics and automation in 2009, introducing articulated 6-axis robots into their manufacturing operations. Additionally, they have seamlessly integrated additive manufacturing or 3D printing into their processes, particularly for low-volume production and the customization of tooling and components. This strategic move has led to improvements in product design and a reduction in time-to-market. To remain at the forefront of the rapidly evolving technological landscape, G&B is spearheading initiatives focused on future-ready architecture, including data platforms, cloud modernization, and cybersecurity, while also fostering digital skills among its workforce. The application of AI and ML has played a pivotal role in optimizing their production processes, resulting in an impressive 40% reduction in defects and heightened customer satisfaction. In the realm of e-commerce, G&B has introduced advanced features such as Augmented Reality-based product visualization, Virtual Reality-based virtual stores, visual search, and chatbots to assist customers in product selection and service. Furthermore, they have implemented an enterprise-wide Industrial Internet of Things (IIoT) platform that acquires data from machines and provides real-time visibility of products and

processes to shop floor personnel. The integration of edge AI and intelligent workflows has notably bolstered productivity, quality, and on-time delivery, and led to cost savings in production and energy consumption. Poorav Sheth (Chief Digital Officer, Godrej & Boyce), underscores the critical role played by AI-based virtual assistants capable of understanding context and assisting employees with intricate tasks and workflows. He guarantees that G&B will remain steadfast in its commitment to investing in digital transformation, reshaping its operations, upskilling its workforce to be future-ready, and enhancing the organization's overall agility.

Godrej & Boyce promoting skilling initiatives for green jobs for the youth

Infosys Topaz: Leading AI Companion

~ Shreya Nalawade

The world leader in next-generation digital services and consulting, **Infosys** introduced **Infosys Topaz**, a suite of AI-first services, solutions, and platforms that uses generative AI technology. It helps people, businesses, and communities reach their full potential so they may take advantage of the newest chances to create value through ground-breaking technologies, interconnected ecosystems, and all-pervasive efficiencies. When developing an AI-first core, Infosys Topaz makes use of the applied AI framework from Infosys to enable employees to provide cognitive solutions that speed up value creation. With the combined power of Infosys Cobalt cloud, data analytics, and AI, Infosys Topaz powers business, delivers cognitive solutions and creates intuitive experiences that re-energize growth. More than 12,000 use cases aid in launching and advancing innovative concepts.

The ready-to-use industry solutions

from Infosys Topaz Generative AI Labs help organizations become more cognizant more quickly by extending the usefulness of AI to more functions. By democratizing data and knowledge, Infosys Topaz increases the value for more players in the connected ecosystem, empowering them to develop innovative business models, AI-driven goods and services, and new sources of income. A national railway operator used Infosys Topaz, for instance, to develop a smart hub for profitably constructing agile value chains with the market's finest partners for tasks like first and last-mile logistics. For business agility, Infosys' AI-first professionals deploy intelligent tools, platforms, and autonomous software engineering. By reinventing user personas, data architecture, and engineering plans for the future, Infosys Topaz generates organizational-wide synergies.

Infosys Topaz is assisting us in amplifying the potential of people, both our own and those of

our clients, according to **Mr. Salil Parekh, CEO and MD of Infosys**. Even while businesses want to ensure their future growth, we are seeing a lot of interest from their clients in programs that increase productivity and efficiency. The strength of generative AI platforms and data solutions that Infosys Topaz brought to our business operations has greatly helped them. As businesses turn to AI to address issues ranging from increasing productivity to spurring growth, AI-powered technologies must be specifically designed to have an impact at the enterprise level.

To change itself, Infosys is putting AI first. As it builds incremental value from micro-changes, the company is using Infosys Topaz to bring the power of generative AI, analytics, and cloud to accelerate the evolution of its own market offerings and enterprise transformation. This will improve customer service, and software engineering, and increase productivity.

Factory of Future

~ Brijesh Sharma

Tech Mahindra's Factory of the Future (FoF) is a smart manufacturing solution that leverages cutting-edge technologies to enhance manufacturing operations. Built on the foundational principles of Industry 4.0, FoF integrates cyber-physical systems, the Internet of Things (IoT), cloud computing, and artificial intelligence to create an interconnected and intelligent factory environment. Key technologies employed in Tech Mahindra's FoF encompass robotics for automating tasks like parts handling, welding, and painting, augmented reality (AR) to

provide real-time information to workers, and virtual reality (VR) for skill training and process simulation.

Moreover, FoF employs big data analytics to collect and analyze data from the factory floor, enabling the identification of problems and opportunities for improvement. Predictive maintenance is another critical component, using data to forecast machine failures and schedule preventive maintenance, thus minimizing downtime. Additive manufacturing, or 3D printing, is harnessed to craft custom parts and prototypes, enhancing manufacturing flexibility.

In addition to these technologies, FoF relies on cloud computing to store and process data from the factory floor, while edge computing processes data closer to its source to improve performance and reduce latency. Cybersecurity measures are also integrated to safeguard data and systems against potential cyber threats. Tech Mahindra's commitment to continually update FoF with emerging technologies ensures that manufacturers utilizing this solution can remain at the forefront of innovation and continually enhance their operations.

EXTRACURRICULARS

In a final crescendo of camaraderie and knowledge exchange, all the technical societies within our institution united to orchestrate one last grand event, the Symposium, bidding a fond farewell to their dedicated members and teams. Eminent chief guests graced the occasion, adding an extra layer of significance as they engaged in meaningful interactions with the eager audience.

The societies, being the architects of their own destiny, meticulously planned and executed the Symposium, not only to mark the commendable efforts and accomplishments of the societies but also to bid a heartfelt adieu to their tireless leaders and heads.

Syposium was organized by the following councils:

1. 'Let's Link Up' by Computer Society Of India-VESIT
2. 'The Final Goodbye' by Institute of Electrical and Electronics Engineers-VESIT
3. 'Converge'23: Metaverse Exploration' by International Society of Automation-VESIT
4. 'Saga Of Unicorns' by Indian Society For Technical Education-VESIT

Let's Link Up

~ Joanna Sanju

On 12 April 2023, CSI VESIT organized a mega-event **'Symposium'** for its members based on the theme of technology and entrepreneurship, termed **'TechnOcean'.** The symposium aimed at providing a platform for CSI members to interact with industry professionals and get rewarded for their efforts at previous events.

TechnOcean Symposium 2023

The symposium started with the welcome address and the introduction of the chief guest, **Mr. Sagar Gosavi (Batch of 2023, Department of Electronics and Telecommunication)**, a well-known wildlife photographer and a VESIT alumni. He shared his experiences and insights on wildlife photography, and the audience was enthralled by his captivating images and stories

from various expeditions. Next, the launch of the magazine **'Redux: TechnOcean'** took place. The magazine is a great platform for members to showcase their technical knowledge, and research.

Unveiling the magzine

It was a proud moment as the magazine created an outstanding impact on the attendees. The event also marked the launch of the chapter's app, which will be a one-stop solution for all resources and updates for its members.

The next highlight of the event was the 'Prize Distribution Ceremony'. The chapter felicitated members who had excelled in various technical competitions, including coding contests and other

fun events. The winners were awarded certificates and electronic items as gifts. The event concluded with the distribution of goodies and refreshments to the attendees. The casual and relaxed atmosphere of the event, enhanced by the refreshments, further facilitated communication and fun among the members.

The mega-event symposium was a reverberant success. The attendees widely appreciated the efforts of the members who organized the event and executed it in a systematic manner.

CSI-VESIT Council 2022-23

The Final Goodbye

~ Srushti Chopade

On 13 April 2023, IEEE-VESIT's **Melange** took place at 1.30 pm in VESIT's Auditorium. The event commenced with the inauguration of IEEE-VESIT's Symposium by two esteemed faculty members, **Dr. Gresha Bhatia** (Deputy Head, Department of Computer Engineering), and **Mrs. Ashwini Sawant** (Assistant Professor, Department of Electronics and Telecommunication) with Saraswati Vandana and lamp lighting.

The symposium witnessed an array of thought-provoking guest seminars. The event provided a unique opportunity for individuals to interact with industry experts, gain insights into the latest trends, and broaden their professional networks.

Guest speakers of the event Melange'23 were **Mr. Utpal Chakraborty (AI & Quantum Scientist, Chief Digital Officer-Allied Digital,**

TEDx Speaker, Blockchain Researcher), and **Mr. Pravin Kumar Purshothama (Associate Director - UI Core Architecture ReactJS Specialist, FullStack JS Developer).**

After an insightful session with the guest speakers, IEEE-VESIT proudly unveiled its highly anticipated website.

In conjunction with the website launch, IEEE-VESIT also introduced its latest magazine edition, **INNOVATION'23**. This year's theme for the magazine focused on the intriguing topic of AI vs Human.

Celebrating the achievements of women in engineering, this magazine showcased articles written by the winners of IEEE-VESIT's Women in Engineering competition. To complement the magazine's content, the magazine included a collection of amazing UI/UX posters.

There was a prize distribution ceremony held

for all the members of IEEE-VESIT who showed immense dedication and active participation in all the technical workshops of IEEE-VESIT and events of PRAXIS 23.

As they reflect on their time in IEEE, the members fondly recall the memories they have made from organizing successful events to participating in competitions and projects, each experience has left a lasting impact on their lives.

IEEE-VESIT's Council 2022-2023

To celebrate the successful conclusion of the Symposium, the event featured a wide range of delicious delicacies, satisfying the taste buds of everyone present. The council's commendable work throughout the year ensured the success of various events, with the Symposium ending on a high note. The atmosphere at VESIT's auditorium was charged with excitement and enthusiasm throughout the event.

Converge'23: Metaverse Exploration

~ Vinayak Panchal

ISA-VESIT organized a 'Converge'23' symposium on 11 April 2023 from 1:30 p.m. to 5:30 p.m. in the Auditorium. The event was well-attended, with faculty members and students from all branches and years.

The event began with a brief introduction of the Metaverse theme for the symposium by Madhura Padge (BE-AURO) and Esha Kadam (BE-EXTC). **Mr. Gopalakrishnan** (Assistant Professor, Department of Automation and Robotics Engineering) felicitated the guest speaker **Mr. Avinash Somanathan**. It was followed by a speech from Hrutika Pakhale (BE-AURO), President of ISA-VESIT. Later, Nidhi Mundhada (BE-EXTC) and Om Shetty (BE-ETRX) shared the journey of ISA-VESIT throughout the years.

The guest speaker, Mr. Avinash Somanathan gave a presentation on his journey and experience at VESIT. The reveal of the newest launches by ISA-VESIT followed the presentation. Shripad Kulkarni (BE-EXTC) took the audience on the amazing ride of the Virtual World through the newly launched VR Headset. ISA-VESIT launched its own mobile application 'INSAÆI' app. Saritha Tharakan (BE-ETRX) and Dhruvisha Mondhe (BE-CMPN) shared the visuals of the INSAÆI app. Later Ms. Janhavi Bhutki (BE-EXTC) launched the annual magazine '**ENVISAGE'23**'. The event continued with the speech delivered by former President Mr. Lewin Noronha and Mr. Jatin Dandelia.

The event was followed by a prize distribution ceremony for Praxis and Post-Praxis events, during which alumni shared their experiences of VESIT and their memories with ISA-VESIT.

Launch of ISA's annual magazine 'Envisage'

ISTE's Saga Of Unicorns

~ Avan Shetty

ISTE-VESIT organized **SYMPOSIUM'23** along with other 3 technical societies, an event that was happening after a gap of 4 years. ISTE-VESIT celebrated this event on 10th April 2023 with its agenda and theme based on '**SAGA OF UNICORNS**'. This event was only for the members and took place in the auditorium around 2:30 p.m. The highlight of the event was food partners **McDonald's** and **Mad Over Donuts**.

The event was hosted by Isha Gawde (Chief Marketing Officer, BE-INFT) and Khyati Hegde (SE Public Relations Officer, SE-AIDS) accompanied by Varnit Batheja (Chairperson of ISTE-VESIT, BE-CMPN). **Mr. Kishan Panpaliya**, a "**Forbes 30 under 30**" and Founding Team Member of Pepper Content who was the chief guest enlightened about the growth in startups and the challenges, and struggles faced by aspiring entrepreneurs in a one-on-one talk with Bhakti Daga (SE Operations Officer, SE-EXTC). A small entertaining act by Sahil Kodwani (Jr. Operations Officer, TE-INFT) and Aman Paryani (ISTE-Member, TE-INFT) through which they portrayed the theme of AI.

The Event was then enhanced by revealing the Annual Magazine '**COGNIZANCE 23: SAGA OF UNICORNS**' by the Chief Guest and the Faculty Charge. This segment was then followed up by BE Heads and faculty in charge giving off fun

and main awards to the members. Furthermore, the members and the pillars of ISTE Chairperson-Varnit Batheja (BE-CMPN), CO-Chairperson - Shrusti Jagtap (BE-EXTC), Chief Executive Officer - Mrunmayee Waingankar (BE-CMPN), Sr. Treasurer- Mr. Devansh Singh (BE-ETRX), with a heavy heart handling all their responsibilities to their successors were awarded and congratulated for their constant efforts, compassion and gave heart-warming signoff speeches.

(L-R): Act on "Robotics & AI" by Sahil Kodwani (Jr. Operations Officer, TE-INFT) and Mr. Aman Paryani (ISTE Member, TE-INFT)

Last but not least, the executives gave their sign-off speeches and the refreshments were distributed among the members. This mega event concluded with lots of memories and an atmosphere filled with positive feedback.

The Chief Guest Mr. Kishan Panpaliya

Expert talk with Mr. Kishan Panpaliya

(L-R): Hosts introducing Symposium'23 Isha Gawde (Chief Marketing Officer, BE-INFT) and Khyati Hegde (SE Public Relations Officer, SE-AIDS)

Let's Win Together

~Srushti Chopade
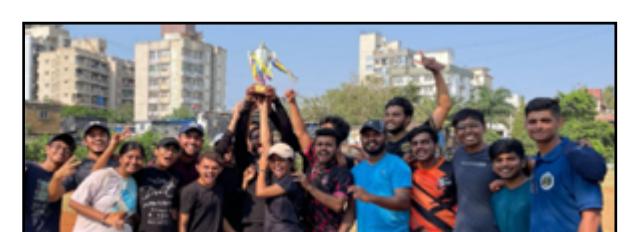
On 6 May 2023, **Shreshtha** an outdoor sports single day event took place on VESIT's Polytechnic ground, organised by the sports council, Master of Computer Application Department.

The objective of the event was to foster unity and camaraderie among MCA peers and seniors through the power of sports. The event aimed to break the ice and create a sense of familiarity, eliminating anonymity among different MCA batches.

It was an exclusive sports event which featured football, cricket, dodgeball and volleyball. This brought together all the MCA athletes making it a thrilling outdoor sports extravaganza!
The Shrestha winners for Volleyball (boys) were

Shreshtha Overall Class winners MCA1 with the winning trophy

MCA1, Dodgeball (girls) were MCA1, Football (boys) were MCA2, Cricket (mixed) were MCA1.

And the class MCA1 won the Shreshtha.

The event witnessed a higher number of students actively taking part in the sports activities and their enthusiasm made the event successful.

FEATURED

Amidst a tapestry of excitement and nostalgia, as the academic year drew to a close, all the departments of our esteemed institution came together in a harmonious symphony to organize a grand and heartwarming farewell event for the fourth-year students. The air was abuzz with anticipation as distinguished chief guests were invited to grace the occasion at the Convocation Ceremony.

With a shared sense of pride and accomplishment, the faculties of each department orchestrated a grand celebration, not just to bid adieu, but to commemorate the remarkable success of their students. At the heart of this jubilant gathering was the much-awaited Degree Distribution Ceremony, a beacon of hope and a symbol of hard-earned achievements.

Featured Degree Distribution articles covered are as follows:
1.'Convocation Conquest' by Department of Information Technology.
2.'Degree Distribution Ceremony' by Department of Electronics and Telecommunication Engineering.
3.'The Grand Convocation Ceremony' by Department of Instrumentation Engineering.
4.'The Sayonara' by Department of Electronics Engineering.
5.'The Graduation Glory' by Department of Computer Engineering.

Convocation Conquest

~ Avan Shetty

In a momentous celebration of dedication and achievement, the 'Degree Certificate Distribution Ceremony' for the graduating batch of 2018-2022 was a defining event, meticulously organized by the Department of Information Technology. On the 15th of April, 2023, the prestigious college auditorium became the backdrop for this remarkable gathering.

The ceremony commenced with a solemn procession, led by the faculty members, as they made their way from the iconic Vivekananda statue. The hosts of the event, Mrs. Pooja Shetty (Assistant Professor, Department of Information Technology) and Mrs. Vinita Mishra (Assistant Professor, Department of Information Technology), set the tone for what would be a truly auspicious occasion.

A distinguished figure in the world of information technology and an Assistant Municipal Corporation D ward, Mr. Sharad N. Ughade, graced the event as the Chief Guest. His role as the Director (Information Technology) at Brihanmumbai Corporation added an extra layer of prestige to the event. The commencement of the ceremony was marked by the lighting of the lamp, a symbol of knowledge and wisdom, by the chief guest and other dignitaries seated on the dais.
Dr. Shalu Chopra (Head, Department of Information Technology) took to the podium, addressing the gathering with words of inspiration and wisdom. The Chief Guest, Mr. Sharad N. Ughade, followed suit, delivering a captivating speech that encouraged the graduates to embrace the challenges that lay ahead, instilling in them the confidence and motivation to tackle the future.

As a gesture of commitment and responsibility, the students took a solemn pledge, a significant moment signifying their readiness to embark on new journeys.

(L-R): Event Coordinators Mrs. Pooja Shetty (Assistant Professor, Department of Information Technology), Mrs. Vinita Mishra (Assistant Professor, Department of Information Technology), Dr. Manoj Sabnis (Deputy Head, Department of Information Technology), Dr. Shalu Chopra (Head, Department of Information Technology)

The highlight of the ceremony was the conferring of degrees upon the graduates. A total of 76 graduates were conferred degrees, with 60 of them in attendance, their dedication and hard work being recognized and celebrated.

The Chief Guest Mr. Sharad N. Ughade

To bring the event to a graceful conclusion, Dr. Manoj Sabnis (Deputy Head, Department of Information Technology) delivered a heartfelt vote of thanks, expressing gratitude to all who made the event a success. As a final note of celebration, refreshments were distributed among the audience, fostering a sense of camaraderie and togetherness.

With the strains of the National Anthem echoing in the auditorium, the event came to a triumphant end, leaving a lasting impression of achievement, knowledge, and unity, and marking a new beginning for the graduates.

Degree Distribution Ceremony - EXTC

~ Meghna John

A convocation ceremony, a milestone in every student's journey, signifies both closure and commencement, marking the transition from something beautiful to something even more promising. The 'Degree Distribution Ceremony' of the Department of Electronics and Telecommunication Engineering, for the batch of 2018-22, unfolded in the grand setting of the College Auditorium. The path from the Swami Vivekananda Statue to the auditorium was graced with a procession led by the students and esteemed faculty members.

At the helm of this momentous occasion, we had Dr. Nandini Ammanagi (Assistant Professor, Department Of Electronics and Telecommunication Engineering) as our gracious host, setting the tone for the event. The ceremony commenced with the symbolic 'Lighting of the lamp' by our honorable dignitaries, infusing the gathering with a sense of wisdom and enlightenment.

Dr. Chandan Singh Rawat (Head, Department of Electronics and Telecommunications Engineering) delivered a warm welcome speech, extending a heartfelt greeting to all in attendance, including the distinguished Chief Guest, Shri. Aneeth Singh Rajput. Shri. Aneeth Singh Rajput holds the esteemed position of an Indian Telecom Officer in the Department of Telecommunication, Ministry Of Telecommunication, Government Of India. An alumnus of our college, he completed his bachelor's degree in Electronics And Telecommunication Engineering with the batch of 2017 and further pursued his Master's Degree from the prestigious Indian Institute Of Technology, Bombay. His presence added prestige to the event.

Our Chief Guest, Shri. Aneeth Singh Rajput, delivered the Convocation Day Address, leaving the audience deeply inspired by his words. His speech served as a beacon of motivation for the graduating students, instilling in them the confidence to face the future.

The moment that every student had

been eagerly awaiting arrived when it was time for the Degree Distribution Of Electronics and Telecommunication for the Batch of 2018-22. As each student received their degree, the auditorium resonated with glistening tears of joy and proud smiles.

The ceremony concluded with a heartfelt Vote of Thanks, delivered by Mrs. Manisha Chattopadhyay (Deputy Head, Department of Electronics and Telecommunications Engineering), expressing gratitude to all those who had contributed to the success of the event.

In the end, as the echoes of the ceremony resonated in the auditorium, it marked not just an end but also a remarkable beginning for the graduates, who were now poised to embark on new journeys filled with promise and possibilities.

Chief guest Shri. Aneeth Singh Rajput

Event Coordinators (L-R): Dr. Chandan Singh Rawat (Head, Department of Electronics and Telecommunications Engineering), Mrs. Manisha Chattopadhyay (Deputy Head, Department of Electronics and Telecommunications Engineering), and Dr. Nandini Ammanagi (Assistant Professor, Department Of Electronics and Telecommunication Engineering)

The Grand Convocation Ceremony

~ Brijesh Sharma

The 'Degree Distribution Ceremony' orchestrated by the Department of Instrumentation Engineering marked a momentous occasion, dedicated to celebrating the relentless efforts and commitment of the Instrumentation Department students. The event unfolded on the 8th of April 2023, with the day commencing with the registration process, setting the stage for the memorable gathering.

The event was graced by the presence of a distinguished Chief Guest, Mr. Sandeep N Rathi (Founder & CEO, Sierra Instrumentation & Controls). His brainchild, Sierra Instrumentation & Controls, established in 1994, is renowned for its expertise in Engineering Automation and Control Systems, and the Design of Instrumentation from Concept to Commissioning. His presence added an extra layer of prestige and significance to the ceremony.

The procession from the Swami Vivekananda Statue, a symbol of wisdom and enlightenment, was beautifully managed by Mr. N. Gopalkrishnan (Assistant Professor, Department of Instrumentation Engineering). This solemn march set the tone for the event.

The ceremony commenced with the 'Lighting of the lamp,' a symbol of knowledge and wisdom, followed by the serene Lord Ganesh Vandana, invoking blessings for the proceedings. Dr. Sangeeta Prasanna Ram (Head, Department of


(L-R): Chief Guest Sandeep N Rathi, Students of the Department of Instrumentation Engineering

Instrumentation Engineering) delivered a warm welcome speech, extending greetings and setting the stage for what would be an inspiring event.

The honorable Chief Guest, Mr. Sandeep N Rathi, shared his valuable insights with the students and extended his best wishes to the young graduates. The most awaited moment of the day arrived as the Degree Certificates were distributed among the students, a culmination of their hard work and dedication. To further enhance the experience, snack boxes were thoughtfully made available for the students, fostering a sense of camaraderie.

As the event drew to a close, the audience was treated to a heartfelt Vote of Thanks by the respected Dr. Dipti Khemani (Deputy Head, Department of Instrumentation Engineering), expressing gratitude to all those who made the ceremony a success. The event concluded on a high note, with enthusiasm reverberating in the air, and the strains of the National Anthem marking the end of a memorable and inspiring event.

Hosts of the Session (L-R): Dr. (Mrs.) Sangeeta Prasanna Ram (Head, Department of Instrumentation Engineering), Mr. N. Gopalkrishnan (Assistant Professor, Department of Instrumentation Engineering), Dr. (Mrs.) Dipti Khimani (Deputy Head, Department of Instrumentation Engineering)

"Industry 5.0 recognizes that man and machine must be interconnected to meet the manufacturing complexity of the future in dealing with increasing customization through an optimized robotized manufacturing process," said Marc Beulque, vice president of global operations at Rogers

The Sayonara

~ Srushti Chopade

The convocation ceremony is an integral part of every student's life. It marks the culmination of their academic journey and the beginning of a new chapter in their lives.

The **Degree Distribution Ceremony** for Electronics Engineering batch of 2018-22 was held on 15th April 2023 in the college auditorium and was organized by the Department of Electronics Engineering. The procession from Swami Vivekananda Statue was performed by the students and faculty members.

The host of this event was **Mr. Abhishek Chaudhari** (Assistant Professor, Department of Electronics Engineering). The graduation ceremony was graced by our prominent guest **Smt. Kavita P Dixit.** She has an illustrious career spanning over 35 years as a Scientific Officer at Bhabha Atomic Research Centre and has recently retired as Head of the BARC Safety Council Secretariat. For her pioneering work in the field of Industrial Electron Linacs, Smt. Kavita P Dixit has been selected as one of the top 75 women engineers of India. The ceremony commenced with the illumination of the traditional lighting lamp by the Chief guest Smt Kavita P Dixit, **Mrs. Kavita Tewari** (Head, Department of Electronics Engineering) and **Dr. Naveeta Kant** (Deputy Head, Department of Electronics Engineering) and Saraswati Vandana followed by the introduction of respected dignitaries.

(L-R): Event Coordinators Mrs.Kavita Tewari (Head, Department of Electronics Engineering), Mrs. Naveeta Kant (Deputy Head, Department of Electronics Engineering), Mr. Abhishek Chaudhari (Assistant Professor, Department of Electronics Engineering), and the Chief Guest Smt. Kavita P Dixit (Scientific Officer at BARC)

With the articulatness and warmth, Mrs. Kavita Tewari welcomed and expressed her heartfelt gratitude for the determination and hard work exhibited by the students thoroughout their academic journey. Furthermore, the chief guest, Smt. Kavita Dixit shared her golden thoughts with the students.

And then came one of the most awaited moments of the ceremony, the distribution of the degrees. Beginning with the rank holders, every student was called out, walking towards the stage with a bright shine and the utmost feeling of accomplishment. Then the graduating students took a solemn pledge to utilize their skills for the betterment of society. The ceremony then came to an end by the vote of thanks given by Dr. Naveeta Kant (Deputy Head, Department of Electronics Engineering) followed by the National anthem.

Students taking graduation oath

The Graduation Glory

~ Avan Shetty

The **Degree Distribution Ceremony** for the Computer Engineering batch of 2018-22 was held on 8th April 2023 and organized by the **Department of Computer Engineering** at the college auditorium. The procession from the Swami Vivekananda Statue was performed by the students, chief guest and faculty members.

The hosts of the event were **Mrs. Vidya S. Zope** (Assistant Professor, Department of Computer Engineering), **Mrs. Priya R.L** (Assistant Professor, Department of Computer Engineering), and **Mrs. Abha Tewari** (Assistant Professor, Department of Computer Engineering). The convocation was graced by an esteemed guest **Mr. Subodh Gajare** a **Senior Principal Architect at Cisco R&D, Bangalore, India**. Also, he works as a mentor for grooming future technical leaders and Software Architects at Cisco.

The ceremony commenced with the illumination of the traditional lamp by the Chief guest Mr. Subodh Gajare and other distinguished dignitaries. **Dr. Nupur Giri** (Head, Department of Computer Engineering) addressed the gathering and followed this, the Chief Guest emphasized the importance of education and the responsibility of the graduates to contribute positively to society. Then the graduating students took a solemn pledge.

The degree certificates were distributed to the graduates with applause from the audience. Overwhelmed with emotions, students shared their thoughts and heartfelt experiences of their journey at VESIT. The ceremony came to an end with a patriotic moment as the entire audience stood up for the national anthem.

The Chief Guest Mr. Subodh Gajare

(L-R): Dr.Nupur Giri (Head, Department of Computer Engineering), Mrs. Abha Tewari (Assistant Professor, Department of Computer Engineering), Mrs. Vidya S. Zope (Assistant Professor, Department of Computer Engineering), Mrs. Priya R.L (Assistant Professor, Department of Computer Engineering)

Graduates posing with their Degree Certificates
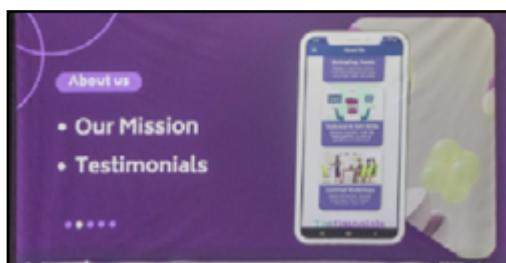
> 'What I really like in Industry 5.0 is the part about shifting the focus back to people and not machines" says Bernt-Johan Bergshaven, Co-Founder of Clarify.

CSI Mobile App Launch: All at your fingertips

~ Joanna Sanju

The dedicated team of senior and junior technical officers at CSI (Computer Society of India) VESIT had developed an innovative app called **"CSI App"** which was launched during the CSI Symposium'23 'TechnOcean' on 12 April 2023.
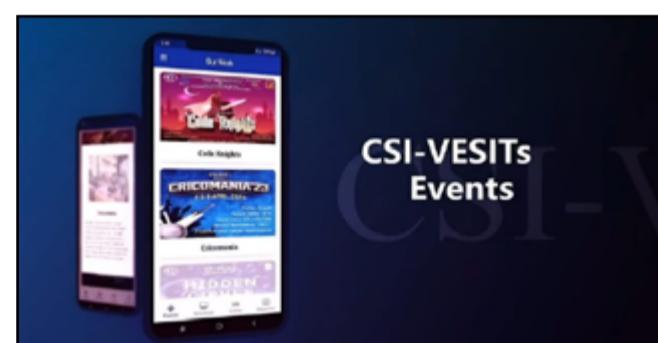
CSI App launch during Symposium'23

The development of the CSI App was a collaborative effort, with both senior and junior technical officers working in tandem to create a seamless and user-friendly experience. The team members brought their unique skills and perspectives, fostering creativity, and ensuring comprehensive app functionality. Through brainstorming sessions, regular meetings, and open communication, the team worked cohesively to overcome challenges and create an exceptional app for their college community.

The team explored the tech stack employed to bring this app to life. A tech stack is the set of technologies used to develop an application, including programming languages, frameworks, databases, front-end and back-end tools, and APIs. The tech stack used for this app included Flutter along with its packages for better UI and frontend, and Firebase was used to create the database for the application. Firebase was used to host databases as it has integration and gives services for a variety of applications including Android and iOS.

The senior technical officers provided guidance, mentoring, and technical expertise to the junior officers. The junior technical officers played an active role in the app's development, taking charge of various aspects such as front-end development, back-end development, database management, and quality assurance. They contributed their skills and fresh perspectives, working closely with the senior technical officer to create a well-rounded app.

Information of the events conducted by CSI is available on the CSI app

The CSI App is a remarkable attempt made by the members of the CSI community as it gives information about CSI-VESIT's past achievements, future goals, and mission. It allows users to access the latest issue of REDUX magazine and discover our work. It updates users on the events and workshops conducted by CSI-VESIT, with short reports and announcements about future events. It introduces the faculty in charge and the CSI council members in both senior and junior levels. It gives users access to the past CSI-VESIT magazines to showcase the legacy of our council. It enables users to provide feedback and contact CSI members easily.
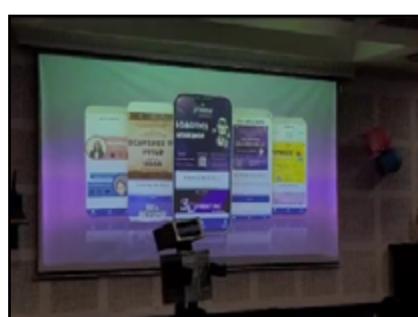

Landing Page of CSI-VESIT App

InnsÆi: ISA-VESIT's Digital Leap
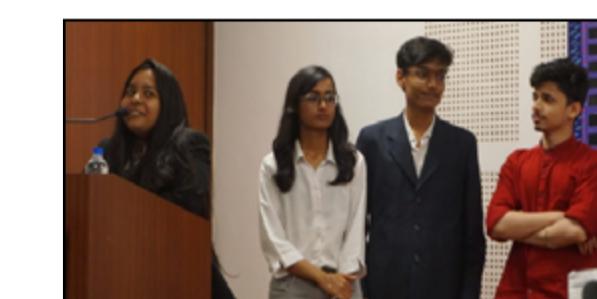
~ Joanna Sanju

ISA-VESIT, known as the International Society of Automation, introduced its very own mobile application known as the '**InnÆi: ISA-VESIT**' app. This remarkable development was shared with the public on 11 April 2023 during ISA's annual symposium titled '**Converge'23**' from 1:30 pm to 5:30 pm in the auditorium through a visual presentation led by **Ms. Saritha Tharakan** (Batch of 2022, Department of Electronics Engineering) and **Ms. Dhruvisha Mondhe** (Batch of 2022, Department of Computer Engineering).

Launch of Innsaei: ISA-VESIT in college auditorium

The front end of the app was led by **Ms. Dhruvisha Mondhe** (Batch of 2022, Department of Computer Science) along with **Aarya Lotke** (BE-CMPN), and the backend was managed by **Yash Chavan** (BE-EXTC). The app comes with access to ISA-VESIT's Digital Library, where users can easily explore and utilize a vast collection of digital resources. Additionally, the app allows users to issue components from the Hardware Inventory, making it convenient for students and staff to acquire necessary equipment.

**(L-R): Dhruvisha Mondhe, Aarya Lotke, Yash Chavan introducing the app to the audience**
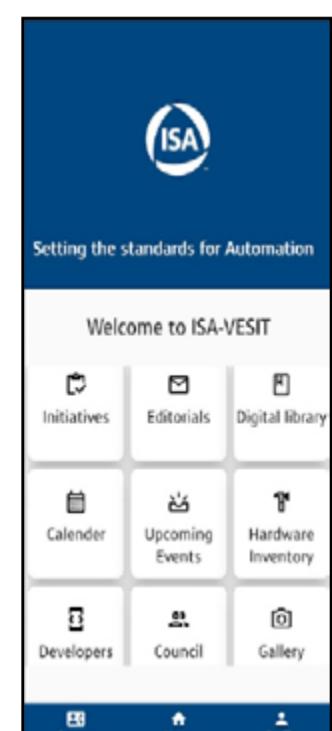
Another noteworthy aspect of Innsaei: ISA-VESIT is its event registration feature, which allows users to stay updated and participate in all the upcoming events organized by the college. This feature ensures that users don't miss out on any opportunities for learning, networking, or extracurricular activities.

One of the standout features of the app is the Alumni Portal, which provides a platform for interaction with notable alumni from ISA-VESIT. This feature can be invaluable for students and recent graduates seeking guidance, mentorship, or networking opportunities. Connecting with successful alumni can offer valuable insights and support in career development.

The chosen tech stack for this app comprises Flutter for client-side development and Django Rest Framework (DRF) for the backend. Flutter, is a Google-backed open-source UI toolkit, which enables cross-platform mobile app development with a single codebase, boasting rapid development and high-performance capabilities. DRF, a toolkit for Django, simplifies RESTful API creation through reusable components like serializers and view classes. It's a powerful choice for Innsaei: ISA-VESIT for streamlining development and enhancing the user experience.

Overall, Innsaei: ISA-VESIT appears to be a well-rounded app that brings together various resources, services, and interactions specific to ISA-VESIT. By consolidating these facilities into one platform, the app provides users with easy access and convenience in managing their day-to-day activities within the college community.

Landing page of ISA-VESIT app

VESIT DIARIES

~ *Gargi A.*

Mr. **Aadi Fernandes** is an alumnus of VESIT from the 2017-2021 batch of the Electronics Department. He used to work as a data engineer at LTIMindTree before he found his passion in writing and marketing. Let us dive into his journey from VESIT to LTIMindtree, to Wizard of ODD Marketing.

Mr. Aadi Fernandes

1. Tell us something about your college life at VESIT. What was the most memorable moment at VESIT?

Was? I've never left! My experience in junior college was a disaster. I was at the rock bottom of my self-esteem and didn't have many skills. And I didn't expect much out of college, but I was thankfully proven wrong. VESIT "was" one of the best decisions of my life. If I go back in time, I'll happily do it all over again. There were way too many memorable moments to single out just one. VESIT played a major role in making me who I am today.

2. Can you tell us more about your job at LTIMindtree? Can you describe your experiences there and what you learned there?

I got a campus placement at LTIMindtree, and the experience there was amazing. Since I got to know exactly what I didn't want. As harsh as that might sound, it is true I worked as a data engineer for 2 years. I hit the jackpot of incredible managers and projects, too. A few technical skills aside, I learned a lot of life lessons there. I understood how to deal with people, interact with clients, implement the feedback, learn and apply on the go, write emails (yes, it is a skill) and presenting your ideas effectively. I did what was expected of me but didn't go above and beyond in any way. There could have been more, but I was focused on pursuing my passion.

3. How did you become a part of Wizard of ODD Marketing? Can you tell us about your interview with Mr. Luke Matthews?

Coming to my passion, here we are! Luke Matthews is one of the top ghostwriters and creators in the world. He currently has 100k+ followers on LinkedIn and 25k+ on X (formerly Twitter). And that's not even counting other socials he has previously been active on and killed. He also pushes me to achieve my own goals and take on solo clients. Basically, the best person anyone can work with. I could go on and on about his achievements, but you could check his socials instead, and I have a word limit to stick to. I was the first person he ever hired and I didn't have any "interview" in the real sense. And that's where I'll talk about the magic of LinkedIn. I started creating content about

mental health, positivity and motivation back in May 2020 because placements were uncertain that year. So why not post something technical? I had no interest in it. I consistently engaged with people and built relationships in the process. I also joined online networking events, and Luke was one of my favourite creators because his content was wacky and totally unique from others. That's where I met him, in the comment sections. I created content and built my engagement over an entire year and that's when Luke approached me. He started scouting me and noticed my posts and comments for over 4 months before messaging me. That's when we got on a call and finalized the details. And now here we are, working together for more than two years. It has been magical working with him and learning from the best. Right from copywriting tips to life lessons. I've got them all. Content creation is something everyone should get into, irrespective of their domain of interest. You never know who is watching!

4. What are your day-to-day responsibilities in your current job?

I started off by engaging with clients on Instagram. After a business pivot, we focused on X and LinkedIn. So, now, I handle the engagement on our LinkedIn and Twitter. This involves commenting on posts and connecting with other creators to grow the following and business of our clients. The higher the visibility, the more chances there are of their products or services being sold. I write technical blog posts too. I also ghostwrite some posts for clients. (which is basically writing for the client in THEIR tone of voice so that nobody knows it is being written by someone else.) Apart from that, I have my own client on whose account I do everything from ghostwriting to engaging. So, yes, I do quite some stuff, and it is dynamic. That's one thing about the creative industry: you need to be open to change.

5. Which extracurricular and co-curricular activities were you involved in? How important are such activities in one's life?

What extracurricular activities weren't I a part of? I participated in almost everything I could get my hands on. I was part of, well, VESITconnect for all 4 years. Apart from that, I was part of the SoRT council, the runner-up for Mr. Fresher, personality contests, singing and poetry competitions in college, and a lot more. I had also spent two years as a center leader at U&I, an NGO that teaches underprivileged kids. I was also in a lot of group activities, like VESLit Playoffs and many others! I was terrible at some and amazing at others, but I learned a lesson every single time I put myself in the spotlight. I never did any co-curricular activities because, as you would have noticed, I'm not much of a technical person. Honestly, I would highly suggest you go for it because it teaches you a ton of stuff. The skills and lessons I learned because of these activities have shaped me into who I am today. If you aren't doing this, you're missing out on fun and growth!

6. Can you share a glimpse of your personal life? Are there any hobbies that you pursue in your free time?

I actively go for mixed martial arts, which is a part of my daily routine. It keeps me physically fit and helps me regulate my emotions too. I also write posts on LinkedIn and X, which, again, are business but also fun for me. I love singing and poetry too. Recently, I've started traveling, which is one of the perks of freelancing. This list keeps changing as and when I discover new things to look forward to!

7. Is it necessary to have a foolproof plan for your career from the beginning itself?

I went from doing a degree in electronics engineering to getting a job in the IT industry, finally settling on social media marketing. What would you deduce from that? Well, the truth is, career choices are rarely simple. You see,
what you learn in books,
what you learn from projects,
what you learn in internships,
and what you actually do in your job,
it could all be totally different and you won't know it until you try. Even after that, you might decide to pursue something else, and that's totally fine. There are people who'll have their career path decided in the first year and stick to it till the end. And there will also be people like me who have no clue what they are doing. As long as you're exploring your options, you're all good. Keep yourself open to change and you'll eventually find your way to doing what you love.

8. How important is LinkedIn for your career?

I cannot express how many opportunities LinkedIn can bring in for you. I've got a lot of freelance and a few job offers without reaching out to anyone. Just because I posted and started networking. Your pieces of content might not be the best when you start off, but trust me, they get better with time. And it's totally worth it. Invest in building your brand on LinkedIn. Choose your area of interest and start posting and networking. You'll thank yourself later!

9. What message would you like to give to fellow VESITians?

I know things are tough and it feels like everything is falling apart. I'm not going to lie and tell you that it will be fine very soon. It may happen soon, or it may take a lot of time. But you will figure your way out. Have fun in college and do everything that your heart tells you to do. Make more mistakes and learn from them. Do things that you'd never imagine doing; as long as you're not hurting anyone, it's all good. You'll either do great or you'll learn something; there is no downside to it. It may all sound like I'm a big showoff with everything I've told you that I've done. But honestly, I never expected to be anything like this, but I pushed through and got out of my comfort zone. And if you're reading this, I want you to believe in yourself more. Balance your academics (yes, I did study decently well too, not only fun and games), co-curricular, and extra-curricular activities. Take care of your physical and mental health; you are precious and you matter. Reach out and talk to people; they care more than you think. And if need be, you can reach out to a professional too. Lastly, don't forget to have fun and live the college life you will remember. Make a ton of memories. Lastly, you're doing amazing, and I am proud of you. Go get em!

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