



CSI-VCET

Vidyavardhini's College Of Engineering & Technology, Vasai(w)

CSI REPORT 2022-2023

"CSI" which stands for Computer Society of India is one of the most esteemed technical committees of VCET. CSI - A society that helps students to acquire knowledge and gain information about recent technological trends and convert them into professionals. It is a combined organization of the Computer Engineering, Information Technology and CSE(DS) departments that conducts events that would acquaint the students with modern-day technology and advancements. CSI-VCET organizes various technical workshops and seminars for all students, offering them an invaluable opportunity to familiarize themselves with emerging technologies. These events serve as a bridge between the academic curriculum and real-world industry practices, ensuring that students are well-prepared for the dynamic field of technology. We are also a proud part of the group of committees that organize VCET's National Level Project Showcase (VNPS) and Oscillations (Technical Paper Presentation) every year. This event fosters a culture of research and academic excellence among students, helping them develop critical thinking and presentation skills. The CSI-VCET students chapter also organizes ABACUS, ELIXIR and Product VIDYA which are also product showcase events held at an intra-college level. Apart from exhibiting projects, we also conduct fun tech quizzes and events which makes learning really easy and fun. Through these events, students have the opportunity to interact with experienced industry professionals, ask questions, and gain valuable insights that extend beyond classroom learning.



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Engineer's Day Technical Quiz

Engineer's day is celebrated on 15th September, this day is celebrated every year to commemorate the birth anniversary of the renowned Indian Engineer, Mokshagundam Visvesvaraya. So on this occasion, the CSI committee of Vidyavardhini's college of Engineering & Technology organized a Quiz competition. Wherein the participants were asked to answer the questions on the exciting topics such as HTML, CSS, JavaScript, Python, Cloud Computing, Networking, etc, although considering the current trends in the vast field of engineering. There were a total of about 140 participants from different streams. This event started with a brief introduction of the Engineer's day among the students, followed by the quiz where they were handed the questionnaire and the answers were to be marked in the same. It was a great moment to see students answering the quiz with their enthusiasm and curiosity. Also the winners were categorized as runner-ups and winners. Winners were awarded with cash prizes and certificates, while runner ups were also given certificates for their achievement.





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Seminar on BI (Business Intelligence) Tools

Business Intelligence (BI) solutions are becoming an essential part of every company's operations. They enable businesses to transform massive amounts of data into useful insights. The seminar was held on 29th September, 2022 from 2pm to 4pm. About 120 participants registered for the seminar. Business Intelligence tools help eliminate the need to gather, record, and organize the data manually. These tools also help prepare data for analysis so that you can create reports, dashboards and data visualizations. According to the trend, BI tools are used on a larger scale in almost every organization to replicate the captured data in a structured format.

Speaker's Profile: Ms. Shrishti R. Shukla, is an ETL Developer at Tata Consultancy Services.

The guest speaker Ms. Shrishti Shukla gave a brief description about various BI (Business Intelligence) Tools. She also introduced one of the best ETL Tools i.e. Pentaho to the students and also explained the working of the ETL. She also gave the explanation on managing the database using SQL and also showed the demo for better understanding of the students.





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Microsoft's No Code/Low Code Platform

The CSI Committee came up with an amazing seminar on "An Overview of Microsoft's No Code/Low Code Platform". Writing Code is a tedious process as it involves a number of manual steps, such as moving code between environments, testing for bugs, and more, which is time-consuming and doesn't work in today's fast-moving environment. Thus, Microsoft's No Code/Low Code Platforms are used for the efficiency of the enterprises. The seminar was held on 22nd February, 2023 from 11am to 1pm. About 212 participants attended the seminar. Enterprises in all industries can gain a competitive advantage when they use no-code/low code platforms. No-code/low code development fundamentally shifts how enterprises build applications, allowing users to construct complex workflows without writing a single line of code. It's a customizable, secure, and cost-effective solution that's driven by ideas, not technical expertise. Speaker's Profile: Mr. Avinash Badgajar, Project Manager in Dynamisity Pvt. Ltd., Partner of Microsoft. Mr. Rakesh Badodekar, Business Analyst in Dynamisity Pvt. Ltd., Partner of Microsoft.

The guest speaker Mr. Avinash Badgajar sir gave a brief description about Power Platform which is a well known No Code/Low Code Platform. Sir introduced the Power Automate Flow to the students along with an example for better understanding of the students. Sir also gave an idea about the Power BI, Power Pages and Power-Virtual Agents to the students. At the end of the session, Mr. Rakesh Badodekar sir gave an overview of Microsoft TechBridge Program Detail to the students.





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Seminar on Introduction to Drones and various Avionics Technologies

Involved

The seminar was held on 14th March, 2023 (Tuesday) from 2pm to 4pm. Drones have been around for more than a couple of decades. However, drone technology has evolved and thrived in recent years, from technically staffing critical military regions to enticing enthusiasts all over the world. The last decade has been noteworthy in terms of drone acceptance, industry utilization, development, and worldwide awareness. One of the biggest reasons for the widespread use of drones is their ability to traverse and maneuver through areas that would be dangerous for humans to be in. The main objective of this seminar was to let our students know about the latest advancements in drone technology, including the various avionics systems and software algorithms used for navigation, obstacle avoidance, and autonomous flight. The students should also gain insights into the wide range of applications for drones in industries such as agriculture, construction, real estate, and more.

Speaker's Profile:

Mr. Eric Kotwal, Senior Electronics Embedded Systems Design Engineer, ideaForge, Mumbai.

Mr. Girish Giri, Junior Embedded Engineer R & D Hardware Department, ideaForge, Mumbai.

The seminar received an overwhelming response with a total of nearly 100+ participants. The objective of organizing this seminar was successful. Mr. Eric Kotwal gave a brief description about various types of drones and various Avionics Technologies to the students. He also conducted a quiz for the students to check the understanding of the students and also gave goodies to the students for their active participation in the quizzes. This seminar gave students a complete idea of drones and various avionics technologies which was amazingly interesting for the students. Mr. Eric Kotwal resolved the student's doubts regarding the avionics technology at the end.





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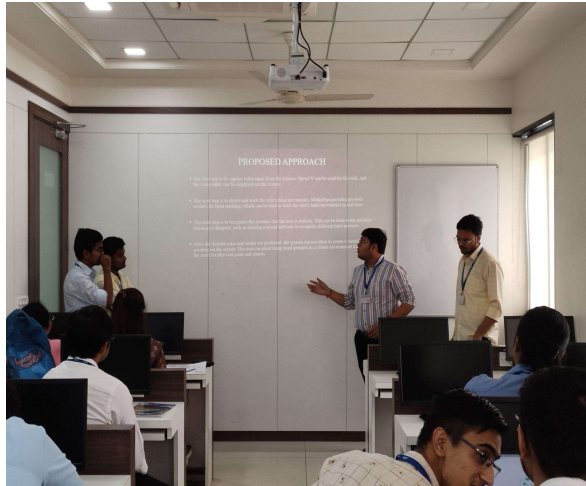
Oscillations (Technical Paper Presentation)

On 17th March 2023, CSI VCET (Computer Society of India, Vidyavardhini's College of Engineering and Technology) organized an inter-collegiate paper presentation competition titled "Oscillations 2023". The presence of Dr. R.R. Sedamkar as the chief guest added to the prestige and importance of the event, making it a memorable experience for all involved. The event commenced at 10 a.m. after the felicitation of the chief guest, judges, with the participating teams eager to present their ideas and innovations. The event attracted participation from numerous colleges across the region, with students showcasing their research and presentation skills. The format in which the Oscillations conducted was by dividing all the teams as per their domains(Tracks). Track 4 was allocated to the CSI committee, which consisted of domains such as Cloud computing & Big data, Artificial intelligence & Machine Learning, Gaming, Web of Things, Web security & Networking, Robotics. Total number of teams which participated in track 4 were 98 which consisted of a total of 272 participants. The papers were evaluated by a panel of judges consisting of Dr. Nilesh Yadav(Assistant , K.J. Somaiya Institute of Technology), Ms. Madhuri Gedam(Assistant Professor,Shree L.R.Tiwari College of Engineering), Dr. Suvarna Pansambal(Head of Computer Engineering Department,Atharva College of Engineering), Dr. Aruna Pavate(Assistant Professor,St. Francis Institute of Technology), Dr. Kiran Bhowmick(Associate Head and Assistant Professor, Computer Engineering,D.J.Sanghvi College of Engineering). The internal judges were Mr. Chandan Kolvankar, Ms. Komal Champanerkar, Ms. Vaishali Shirsath, Dr. Dinesh Patil, Ms. Sneha Mhatre, Ms. Bharati Gondhalekar, Mr. Sunil Katkar, Dr. Archana Ekbote, Dr. Swapna Borde, Ms. Sejal D'mello, Ms. Sneha Yadav, Ms. Aarti Puthran, Ms. Neha Surti, Dr. Ashish Vanmali, Ms. Krunali Vartak, Mr. Vikrant Agaskar, Mr. Sainath Patil, Ms. Anagha Patil, Mr. Anil Hingmire, Dr. Tatwadarshi Nagarhalli from Vidyavardhini's College of Engineering and Technology. The judges discussed and gave feedback to each team from their group. After the completion of the judging round, the judges ranked their projects i.e. each domain had their respective winners and runner-ups. The event was a grand success, with participants expressing their satisfaction and appreciation for the platform provided to showcase their skills and knowledge. The competition not only encouraged scientific research and innovation but also helped in fostering healthy competition among students from different colleges. The showcase brought together a diverse range of innovative technical papers, highlighting the hard work and dedication of the students, faculty, and staff at VCET. The event provided an excellent platform for the participants to showcase their papers to a wider audience. This opportunity allowed them to receive valuable feedback and support, helping to advance their papers to the next level. Overall, the event was well-organized with a fruitful experience, providing a platform for students to showcase their skills and knowledge.



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Seminar on Data Wrangling with Python

The seminar was held on 27th March, 2023 (Monday) from 2pm to 4pm. Data Wrangling is the process of gathering, collecting, and transforming raw data into another format for better understanding, decision-making, accessing, and analysis in less time. Data Wrangling is also known as Data Munging. The main objective of this seminar was to let our students learn the fundamental concepts of data wrangling, including data cleaning, transformation, and preparation. They would also learn how to use Python libraries like Pandas and NumPy to handle data in a powerful and efficient manner.

Speaker's Profile:

Mr. Sidharth Shah, Founder and CEO of Fafadia Tech; M.S. in Computer Science from University of Southern California.

The seminar received an overwhelming response with a total of nearly 100+ participants. The objective of organizing this seminar was successful. Mr. Sidharth Shah gave a brief description about the whole concept of Data Wrangling with Python. He also demonstrated some applications of Data Wrangling on the screen for the student's better understanding. This seminar gave students a complete idea of Data Wrangling and also knowledge about different Python libraries like Pandas and NumPy. Mr. Sidharth Shah resolved the student's doubts regarding the Data Wrangling technology at the end.





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Seminar on Linux Administration

Linux administration refers to the management and maintenance of Linux operating systems in a computing environment. The seminar was held on 29th March, 2023 from 4pm to 6pm. About 38 participants attended the seminar.

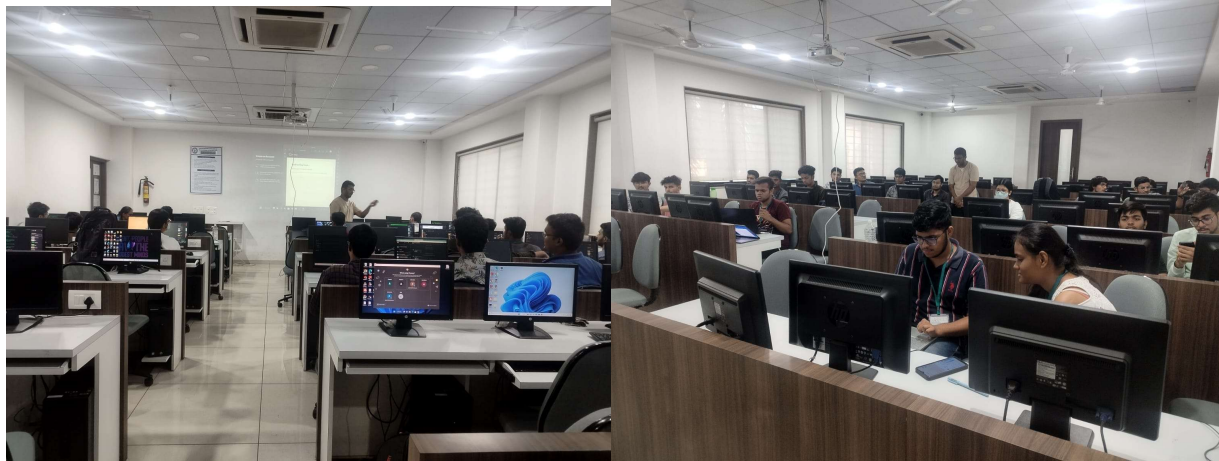
This Seminar cover essential topics such as

- Getting started with command line
- File and File Systems
- Linux Administration and Scripting
- Effective command line

Speaker's Profile:

Mr. Akash Jha, Founder of Learn10x.

The guest speaker gave a brief description about Linux Administration. The expert speaker shared their knowledge and experience in Linux administration, providing tips and best practices that students can use in their daily work.





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VNPS (VCET's National Level Project Showcase)

VNPS stands for Vidyavardhini's National Level Project Showcase, is an event held to share, grow and receive constructive feedback on developed projects. It is the biggest event organized by VCET, every year. This year, various committees not only conducted the event but made it a colossal one in the history of VCET, VNPS is realized by the combined efforts of various departments' student committees: IEEE, ISA, CSI, IETE, VMEA, ISHRAE and CESA. They work in sync to provide a platform to the students with different project ideas to come together and present their ideas and innovations. VNPS aims to inspire students to think, motivate and innovate. To showcase the innovative projects developed by the students, VCET organized the National Product Showcase (VNPS) in 2023. The event was graced by the presence of esteemed guests, including Shri. Pramod Naik who is the Director of Maharashtra State Board of Technical Education (Msbte) and Joint Director of DTE, President of VCET Shri Vikas Vartak, Vice-President Shri Shantaram Jadhav, Shri Pandurang Naik, Chairman Shri Arun Vartak, Treasurer Shri Hasmukhbhai Shah, Principal Dr. Harish Vankudre, Dean of Academics Dr. Vikas Gupta, Conveyor of VNPS Dr. Amrita Ruperee who inaugurated the event.

The format in which the VNPS conducted was by dividing all the teams as per their domains (Tracks). Track 4 was allocated to the CSI committee, which consisted of domains such as Cloud computing & Big data, Artificial intelligence & Machine Learning, Gaming, Web of Things, Web security & Networking, Robotics. Total number of teams which participated in track 4 were 111 which consisted of a total of 367 participants. Track 4 was further divided into 6 domain specific groups to keep the event fair and competitive. After the end of the inauguration ceremony, the Judging round began where teams presented their projects to the Judges. The external judges for VNPS were Kalindi Parekh (Senior Software Engineer, HSBC Technologies India), Shreyash Chandrakant Mhashilkar (Software Engineer, Larsen & Turbo), Shreyans Girish Gosalia (Software Engineer, Wissen Technology), Kritika Sujay Rao (Software Engineer, Tata Consultancy Services), Shashank Vijay Thakur (Software Engineer, Tata Consultancy Services), Yadnesh Mohan Zagade (Senior Research & Development Engineer CEO & Founder-Tech Cryptors). Along with all these external judges, there were internal judges too. The internal judges for VNPS were Mr. Chandan Kolvankar, Ms. Komal Champanerkar, Dr. Swapna Borde, Ms. Sneha Yadav, Ms. Sneha Mhatre, Ms. Bharati Gondhalekar, Mr. Vikrant Agaskar, Ms. Sejal D'mello, Mr. Sunil Katkar, Ms. Anagha Patil, Dr. Madhavi Waghmare, Ms. Krunali Vartak, Ms. Smita Jawale, Ms. Vaishali Shirsath, Mr. Anil Hingmire, Dr. Tatwadarshi Nagarhalli, Mr. Yogesh Pingle, Dr. Dinesh Patil from Vidyavardhini's College of Engineering & Technology.

The judges discussed and gave feedback to each team from their group. After the completion of the judging round, the judges ranked their projects i.e. each group had their respective winners and runner-ups. The valedictory function was held at 5 pm where all the winners and runner-ups were announced.



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The showcase brought together a diverse range of innovative and exciting projects, highlighting the hard work and dedication of the students, faculty, and staff at VCET. The event provided an excellent platform for the participants to showcase their projects to a wider audience, including industry experts, investors, and the general public. This opportunity allowed them to receive valuable feedback and support, helping to advance their projects to the next level. The success of the VCET project showcase also underscores the importance of investing in education and innovation. By providing a supportive environment that fosters creativity and collaboration, institutions like VCET are helping to develop the next generation of leaders and innovators who will drive economic growth and social progress.





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These events were a huge success for the CSI Committee with unbeatable participation and splendid acknowledgement.