



VESIT Connect

NEWSLETTER
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IIC Receives 4.5 Star Rating

-Vedant Sawant



IIC VESIT received 4.5 star rating

Institute Innovation Council(IIC) VESIT in an instance of absolute prestige has been awarded a 4.5 Golden Star Rating for the academic year 2019-20. The rating was awarded for undertaking various activities prescribed by the Innovation Cell under the Ministry of Education to promote and support Innovation and Start-up on the campus. IIC had conducted various events including workshops, webinars, competitions, and numerous others for student skill development.

IIC VESIT was established to encourage the development of innovative minds amongst students and societies. It was previously rated 4 Golden Stars and was one of the 22 Institutes out of 159 colleges under IIC in Maharashtra and Goa region.

VESITians Bag the CII Title

- Shivani Shenai

This year the Confederation of Indian Industry (CII) organized the 3rd edition of the 'Debate Competition' to bring together the sharpest young minds from the Academia from different cities all across the country who will compete on thought-provoking topics, to win the title of the Best Debater at a National level. Owing to the pandemic, the competition was held online via Zoom meetings. The event spanned across the month of December, where the participants had to undergo various rounds to eventually win the championship.

As the event was shifted onto a virtual platform, the CII team introduced new ways to conduct the elimination round. The participants were asked to submit a video where they spoke 'for or against' the topic: "Is Veganism a fad?" Participants from all across the country did the same, but only two teams were selected for the final round of which one was from VESIT. The team had **CV Ananya (D19A)** and **Adith Nair (D19B)**, our very own VESLit head and VESLit Debate head, representing our college for the umpteenth time, against two final year students representing Tolani College of Commerce. The topic was "Government surveillance is against human privacy rights", an issue which is often disputed amongst critiques.



Adith Nair (D19B) and CV Ananya (D19A)

The team spoke against the topic where they mentioned various strategies to prove their point. After a heated debate, the VESIT team emerged victorious with a very high margin. "CII is the most awaited event as well as the most prestigious title any debater can hope to win. I have debated all my college life, and winning this title was something I wanted to accomplish before I graduated. Ananya and I participated in the past two years, but we always lost by a whisker. We made sure that we prepared ourselves thoroughly for this year, and the hard work paid off", said Adith Nair.

Revamping the Education Structure with NEP 2020

-Tanya Dubey

Recently, the Union Cabinet approved the new **National Education Policy (NEP), 2020** with an aim to introduce several changes in the Indian education system from the school to college level. In order to discuss the highlights and implications of NEP 2020, VESIT organised a webinar for faculty members on '**National Education Policy 2020**' in association with **VESIT-Internal Quality Assurance Cell (IQAC)** and **Institution's Innovation Council (IIC)**. It was a two hours webinar conducted on 22nd December 2020 from 3:00 pm to 5:00 pm.

The National Education Policy 2020 is the first education policy of the 21st century and aims to address the many growing developmental imperatives of our country. This policy proposed the revision and revamping of all aspects of the education structure, including its regulation and governance. The main objective of this webinar was to create awareness about the salient features of NEP-2020 and its implications in the higher education system.

The resource person for the day was **Prof. T Shakila Shamshu**. Prof. Shamshu is currently Officer on Special Duty (New Education Policy) in the Department of Higher education, Government of India. The host for the day was **Dr. Maya Bhatt**, As-



Resource person for the day: Prof. T Shakila Shamshu

sistant Professor, Humanities and Applied Science Department.

The live stream of the webinar began with an introductory video of VESIT. The video was followed by a welcome address by **Dr (Mrs) J.M. Nair**. Prof. Shakila Shamshu commenced her session at 3:15 pm. She emphasised on the need for a new policy in her session. She stated that a new policy was required, not because something was



Livestream snapshot, L-R, Top-Bottom: Dr. (Mrs) Gresha Bhatia, Dr. Maya Bhatt and Prof. T Shakila Shamshu

wrong with the old one. Instead, because no policy could remain static or stagnant for a long period of time due to the constant global changes. She also discussed NEP 2020 being a response to the technological changes.

"I found this webinar very helpful in finding out major changes in the transformation of the education system. It is very informative in getting an insight of early childhood education policy, 5+3+3+4

structure of school education, activity based learning and major changes like medium of instruction in regional languages. It gave an idea on how NEP is aimed at promoting skill-based education, enhancing the practical skills of the students and improving the quality of higher education.", said **Mrs Ramya T**, Assistant Professor, Humanities and Applied Science Department.

The informative session by **Prof Shakila Shamshu** was followed by a Q&A session. **Dr. (Mrs) Rajani Mangala**, Professor, Electronics Department, asked all the attendees to post their questions in the chat box. She would then pass those questions to Prof. Shamshu, who would answer each question with great enthusiasm. The webinar concluded with a vote of thanks by **Dr. Gresha Bhatia**, Deputy Head of Department, Computer Department.

"The webinar was indeed very helpful in understanding how the National Education Policy 2020 is going to play a pivotal role in transforming Indian Education System and making India a global knowledge superpower. The speaker highlighted how the policy paves the way for inculcating creativity, critical thinking and life skills in students from a very young age. The current 10+2 system to be replaced by a new 5+3+3+4 curricular structure. One of the best features of the policy is that it focuses on the all-round development of students with emphasis on extracurricular activities, music,



The host for the day: Dr. Maya Bhatt, Asst Professor, H & S Dept. The webinar concluded with a vote of thanks by Dr. Gresha Bhatia, Deputy Head of Computer Dept.

arts and sports", said **Dr. Pooja Kundu**, Assistant Professor, Humanities and Applied Science Department.

Coordinators :

Dr. Nadir N. Charniya, Vice President, IIC

Dr. Gresha Bhatia, Convener, IIC

Dr. T. Rajani Mangala, Co-ordinator, NEP session
Patrons :

Shri. B. L. Boolani, President, VES

Dr. (Mrs.) J. M. Nair, Principal, VESIT

Dr. (Mrs.) M. Vijayalakshmi, Vice Principal, VESIT

VESIT-IT Department Launches Project Swechchha

-Anushka Kulkarni

On 18th December 2020, **Project Swechchha** was launched and a ceremony was conducted for the same. Project Swechchha is a "Public-Private-User Participatory Model" proposed for monitoring of Operation and Maintenance of Public Toilets. Project Swechchha is conducted by the Department of Information Technology of VESIT with **Municipal Corporation of Greater Mumbai** as a knowledge partner. The CSR- Financial Partner is **Star Union Dai-ichi Life Insurance Co. Ltd. (SUD Life)** who proposed to provide financial assistance of Rupees 24 lakhs for the project VESIT-IT Swechchha.

The objective of project Swechchha is to develop a system/mechanism which will help in collecting as well as upgrading the dynamic field and user data/information in a collaborative way between MCGM, CBOs and the users of CTs and PTs. The tools/mechanism are an IT-based solution - Web Portal and Mobile App.

The project will be routed through 4 Phases:

Phase-1: Data gathering (User, CT and PT) in the Physical form and verification of the same.

Phase-2: Digitization of the data/Feeding the data to the system

Phase-3: Training for the stakeholders

Phase-4: Data Analytics, report generation, handholding and support

The host of the event was **Mrs Vinita Mishra**, Assistant Professor, Department of Information Technology. The guests of the ceremony were **Mr Gnana William**: Chief Internal Auditor of SUD Life Insurance Company Limited and Trustee of SUD Life Foundation, **Mr Abhay Tiwari**: Chief Actuary and Joint President of SUD Life Insurance Company Limited, **Mr Rakesh Kumar**: Company Secretary of SUD Life Insurance Company Limited

and Managing Trustee of SUD Life Foundation, **Mr Rajesh Mourya**: Manager, CSR, SUD Life Insurance Company Limited, **Mr Anand Jagtap**, Ex MCGM - OSD Slum Sanitation Program, Advisor - Project Swechchha, he has worked for the last 23 years in informal human settlements as well as **Dr. (Mrs.) J.M Nair**, Principal-VESIT, **Dr. (Mrs.) Vijayalakshmi**, Vice Principal VESIT and **Dr. (Mrs.) Shalu Chopra**, Head of Department of Information Technology.

Members of Team Swechchha : **Dr. (Mrs.) Vijayalakshmi** (Vice Principal VESIT), **Dr. Shanta Sondur** (Professor, Department of Information Technology), **Mr Amit Singh** (Assistant Professor, Department of Information Technology), **Mrs Pooja Shetty** (Assistant Professor, Department of Information Technology) and **Mrs. Vinita Mishra** (Assistant Professor, Department of Information Technology)

Mr Rakesh Kumar and **Mr Abhay Tiwari** addressed the audience by sharing the journey of planning and bringing the project into reality and



Project Swechcha Receiving Financial Assistance from CSR Financial Partner Star Union Dai-ichi Life Insurance Company Limited. L-R Mr. Gnana William, Mr. Rakesh Kumar, Mr. Abhay Tiwari, Dr.(Mrs) J. M. Nair, Principal, VESIT , Mr Amit Singh, Dr Shanta Sondur, Dr. (Mrs.) Vijayalakshmi



L-R: Mr Rajesh Mourya, Mr Anand Jagtap, Mr Gnana William, Mr Rakesh Kumar, Mr. Abhay Tiwari, Dr.(Mrs) J. M. Nair, Dr. (Mrs.) Vijayalakshmi, Mr. Amit Singh, Dr Shanta Sondur, Dr Shalu Chopra, Mrs. Pooja Shetty and Mrs Vinita Mishra

focused on how this project is going to be an 'ongoing effort' and not 'one-time effort'. Mr William also shared his thoughts on how he looked forward to the project.

Then, Principal, **Dr. (Mrs.) J.M Nair** congratulated the faculty for initiating the project after all the efforts despite the pandemic, and also expressed her gratitude to the CSR partner for financing the project.

The ceremony concluded with a Vote of thanks by **Mrs Pooja Shetty**. (Assistant Professor Department of Information technology) The Host of the event, **Mrs Vinita Mishra**, Assistant Professor Department of Information Technology said "The ultimate goal is to bring in accountability and transparency as a component of good governance In Sanitation. So, *ek kadam e-swachchhata ki oar, ek nayi shuruwat...*"



Members of Team Swechchha: (L-R) Dr. (Mrs.) Vijayalakshmi (Vice Principal VESIT), Dr. Shanta Sondur (Professor, Dept of Information Technology) , Mr Amit Singh (Assistant Professor, Dept of Information Technogy) Mrs. Pooja Shetty (Assistant Professor, Dept of Information Technology) and Mrs. Vinita Mishra (Assistant Professor, Dept of Information Technology)

STTP on Green IoT - Phase III

-Gaurav Govilkar & Siddhi Bhosale

The third edition of the AICTE (All India Council for Technical Education) sponsored online **Short Term Training Program (STTP)** on Green IoT was organized by the Department of Electronics and Telecommunication Engineering in collaboration with the Department of Electronics Engineering and the Department of Instrumentation Engineering in association with VESIT Internal Quality Assurance Cell (VESIT-IQAC) and VESIT Institution's Innovation Council (VESIT-IIC).

The week-long technical gratis was conducted on Zoom from 7th to 12th of December 2020. The participation panned across India with many registrations out of which 80 participants were shortlisted and attended the training program in huge numbers.

Day 1

The first day started with **Mrs Anushree Prabhu** (Assistant Professor, Department of Electronics Engineering) welcoming everyone, followed by Ganesh Vandana. Subsequently, **Dr Nadir Charniya** (Professor, Department Of Electronics and Telecommunication Engineering) gave a welcome speech after which **Dr. (Mrs.) J.M. Nair** (Principal, VESIT) addressed the participants. It was followed by a brief speech by **Mrs Kavita Tewari** (Head of Department, Department of Electronics Engineering) stating what the participants could expect from the training program.

The morning session for the first day was helmed by **Dr Abhay Kshirsagar** (Associate Professor, Department of Electronics Engineering) on the topic Introduction to IoT and Green IoT. Dr Kshirsagar explained the importance of Green IoT in today's scenario. The energy-efficient optimization of IoT objects & principle leads to Green IoT and different IoT Application areas such as Energy Management, Smart Agriculture, Smart Industry & Smart City were discussed. Different IoT characteristics, Physical Design of IoT were dealt with in detail. He spoke about different IoT protocols such as Publish-Subscribe communication protocol, MQTT protocols, etc., followed by six different IoT levels and 10 steps in IoT Design Methodology. He then explained about WSN(Wireless Sensor Networks) and its crucial application in human health monitoring.



Day 1 Session 1 by Dr. Abhay Kshirsagar on the topic Introduction to IoT and Green IoT

Session 2 in the afternoon was conducted by **Dr Y.S. Rao**, (Professor, Department of Electronics Engineering, Sardar Patel Institute of Technology) on the topic "Classification of IoT: A case study on Biomedical Engineering". He emphasized how the new normal due to the pandemic has affected us and how directly or indirectly it affects the IoT industry as well. The session highlighted the classification of IoT applications based on Constraints- such as Life critical, Business Critical, Mission-critical, etc. Bio-medical signals in IoT were further stressed upon. He concluded by saying that the technology has to be wisely chosen based on its application.

Day 2

Session 1 was initiated by **Dr Anjali Yeole**, (Assistant Professor, Department of Computer Science Engineering, VESIT) started the session with the topic -IoT security and COOJA simulator. She commenced the session IoT ecosystem. Any IoT application requires sensors to sense data, actuators to take action. For making an entire industry to be IoT-enabled huge amounts of data are being



Day 1 Session 2 Dr.Y.S. Rao, Professor, Department of Electronics Engineering, Sardar Patel Institute of Technology on the topic "Classification of IoT: A case study on Biomedical Engineering"

generated by various sensors that data has to put on the cloud, hence the security of that big data is a major concern. Dr Anjali Yeole explained the importance of IoT security in today's scenario and discussed different IoT Application areas such as Smart parking system, Smart City, Smart Highways, IoT enabled hospitals and their application in various healthcare systems. She also explained how Smart Industry i.e. Industry 4.0 and today's industry differ in their operations. Different security aspects for any IoT-enabled application were dealt with in detail along with the top 10 IoT vulnerabilities OWASP. She concluded with the basic details of COOJA simulator and also suggested other simulators but the choice of any depends on its speed, for encryption and decryption.

Session 2 in the afternoon was conducted by **Mr Shashank Karmarkar**, (Solution Architect, Radisys India) on "IoT Analytics". The session was about Smart City, and what are various security

risks confronted by the IoT platform. Further, there was a discussion on IoT technologies and how they should be selected, various other aspects that an IOT application designer must take care of along with the importance of analytics. There was also deliberation about NB IOT devices, cellular IoT, 3GPP standards, and gave an overview of the module industry, IOT module vendors. He also spoke about how NB IoT is deployed in India with the help of various base stations, IoT platform server, application server. Next, there was a discussion on the two optimizations - control plane and user plane optimization. Different IoT applications like watering meter, smart lighting, smart agriculture, connected cow, sheep tracing, etc were briefed. He also gave an example of a 5G remote ultrasonic system.

Day 3

Mr Dhananjay Jadhav, (Manager, Siemens Ltd, Mumbai) was the Speaker for Day 3 Session 1, and spoke on the topic ‘Hardware for IoT & Edge Technology’.The session started by talking about the growing digital revolution in India and how leading companies are preparing themselves to cope up with it. Before starting the presentation, a short quiz was played with the participants using Mentimeter, to know how much the participants identified with the existing and latest technological developments. He quoted that the right communication network is the key to IoT establishments and pointed out the drawbacks of traditional manufacturing and how IoT enabled manufacturing through cloud communication helps overcome those flaws. Following were the highlights of this session:

- IoT device structure
- Cloud-based IoT systems
- IIoT 20-40, Simulation using Node-Red
- Industrial Edge Technology
- Use of IIoT in PCB designing.

Mr Anurag Chugh, (Senior Systems Software Engineer, Tarana Wireless NCL Innovation Centre) was the speaker for Session 2 of Day 3 on the topic ‘IoT Protocols, WSN & IoT Applications’. He stressed the importance of designing before coding and how this makes the process of coding easier. The milestones of his illustrious career that spanned working at MNCs, Startups, and NGOs



Day 3 Session 1 by Mr. Dhananjay Jadhav, Manager, Siemens Ltd, Mumbai on the topic ‘Hardware for IoT & Edge Technology’



Day 2 Session 1 by Dr. Anjali Yeole, Assistant Professor, Department of Computer Science, Vivekanand Education Society's Institute of Technology on the topic 'IoT security and COOJA simulator'

amazed the participants. The 5 levels of Industrial IoT: Unplugged, EDGE Intelligence, Remote Monitoring, Predictive, and Omnipresent Intelligence were studied in detail.

The highlights of his presentation were insights on the following projects that he worked on:

- Delhi Metro Project
- Cell Site Battery Monitoring
- Health Telematics
- ADS-B (Automatic Dependent Surveillance System)
- Home Network Setup
- OpenWRT Development
- Linux Single Board Computers
- Wifi Attendance System
- A solution to the overcrowding of WiFi networks
- Weather Stations
- Electrical Energy Meter



Day 3 Session 2 by Mr. Anurag Chugh, Senior Systems Software Engineer on the topic ‘IoT Protocols, WSN & IoT Applications’



Day 2 Session 2 Mr. Shashank Karmarkar, solution Architect, Radisys India, and the topic was “IoT Analytics”.

Day 4

Prof.Dr.Saurabh Mehta, (Chief Academic Officer and Professor in the Department of Computer Science Engineering, Vidyalankar Institute of Technology, Mumbai) was the speaker for Day 4 Session 1, on the topic ‘Open Source tools and Hardware for IoT’. He started with different software and hardware platforms available for IoT, comparison of WSN and IoT, Arduino types like Lilypad & others. The use of things speaks for IoT projects was explained along with different IoT components, major Industry players in the field of IoT and popular hardware like Arduino, raspberry pi, Nodemcu. The session concluded with a comparative study of various hardware tools in detail. He also explained cloud computing architecture and the challenges associated with it along with a comparative study of various Wireless sensor network simulators.

Session 2 in the afternoon was conducted by **Mr N. Gopalakrishnan**, Assistant professor, Instrumentation Department, VESIT, on the topic “Intelligent Transport Design AIS140”. He began his session with content history, specification design, and implementation. Then discussed the importance of AIS140, its architecture, specification of its GPS, Global Navigation Satellite System (GNSS), acquisition and tracking sensitivity in detail. He also explained about SBAS, the SBAS segment, and why it is required. Different GPS Available, a block diagram of L89, NMEA were dealt with next. He explained the communication specification and gave an overview of the Q locator in L89, along with an explanation about how message specification, action SMS from the server, & emergency response systems work. Next, there was a discussion on FOTA, why it is required. He briefed about different BOOTloader logic and its classification.

Day 5

Mr Nishant Singh, a Technical trainer who has previously worked with Kaizen, Abu Dhabi, Dubai & UAE was the speaker for both sessions on Day 5 and his topic covered ‘Cloud computing for IoT with Hands-on’. Mr Singh started his talk by giving real-world examples faced by him in his projects in the industry. In the first case study, he took a Temperature Monitoring system for a Silk Manufacturing Unit and discussed the challenges faced while designing for such a system like secure



Day 4 Session 1 by Prof. Dr. Saurabh Mehta, Chief Academic Officer and professor in the Department of Computer Science Engineering, Vidyankar Institute of Technology on the topic 'Open Source tools and Hardware for IoT'

encrypted data, internet connectivity issues, how to get missing data, and how to achieve these results using Google cloud or AWS IoT.

He illustrated this with the help of a python code and generated random data, and sent it to the cloud using MQTT protocol. Deep insights on the advantages of MQTT protocol when compared with HTTP protocol and how MQTT is more suitable for telemetry data, QoS (Quality of Service) and different levels of QoS, persistent and non-persistent connections were discussed at length.



Day 4 Session 2 by Mr. N. Gopalakrishnan, Assistant professor, Instrumentation Department, VESIT, and the topic was "Intelligent Transport Design AIS140"

perience of the same. Mr Singh kept the session interactive as he asked the suggestions of the participants. In the end, he also explained the concept of Last Will in-depth with respect to AWS IoT, which will send messages even when a system fails or a sudden problem arises, and still it would be communicated.

Day 6

Mr Amit Rambia, Chairman and managing director "Panache Digilife Limited" and Speaker of Day 6 Session 1 started the session with the topic 'Design of connected worlds and achieving the goal

with 150 hardware setups with core focus areas like smart computing, smart education, AV & display telematics, smart water for educational institutes. Next, there was a discussion on various electronic gadgets like Solar, Kiosks, IoT devices, smart villages. He emphasized the role of AI and how it can help in making teaching-learning more effective. His discussion mainly focused on three major IoT solutions- retail IoT, Smart education, LYF-KYN Samay IoT solution. There was an explanation regarding why retailers were adopting IoT, omnichannel IOT, Personalised retails, smart Shelves, and smart Fulfillment. Smart Digital Signage, student tracking, attendance tracking, basic health management, smartpen, the interactive whiteboard are various IoT solutions provided by" Panache " Sir ended his session by showing a video of a product which was designed for Covid "DWAAR" for baggage scanning, hand and body sanitizing, temperature measurement for smart schools and campuses.

Dr Nadir Charniya, Professor, Department of Electronics and Telecommunication Engineering Vivekanand Education Society's Institute Of Technology, Mumbai was the speaker for day 6, session 2 on the topic "Fusion of IoT with ML-DL - some novel applications". Dr Charniya started his session by asking participants what comes to their mind after seeing crowded buses, local trains, crowded stations & so on. He discussed crowd incidents at different places and proposed solutions to the crowd incidents by image analysis with a crowd density estimation system and thus highlighting the proposed features of these crowd density estimation systems. There was a discussion about what is the motivation behind using ML-DL for crowd density estimation with IoT. Next, there was an explanation on learning-based approaches, detection based, DL based, and feature-based approach with their advantages, problems as well as limitations in



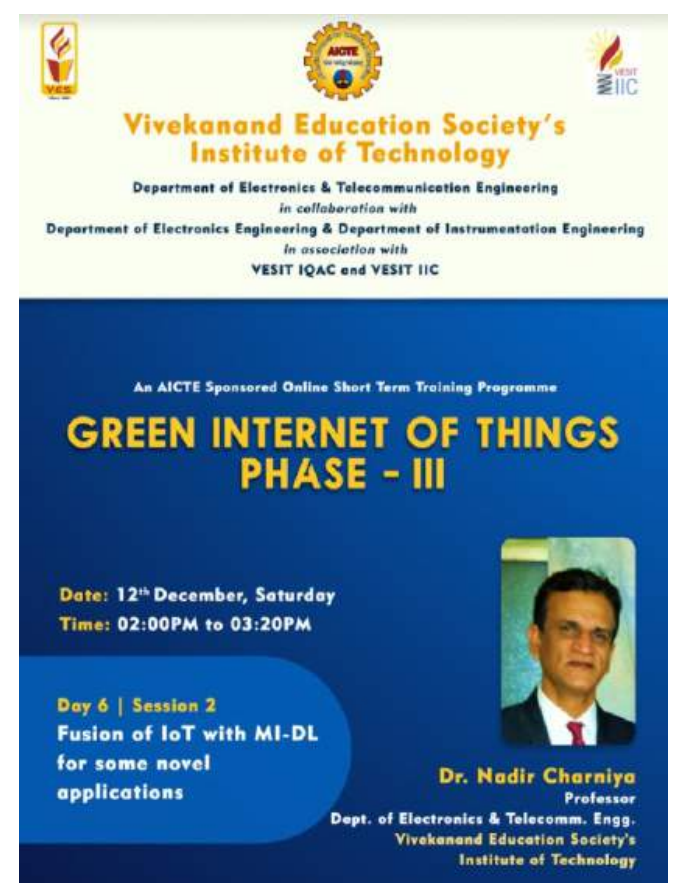
Day 5 Session1 and Session 2 conducted by Mr. Nishant Singh on the topic 'Cloud computing for IoT with Hands-on'

The next part of the session included insights on how to integrate Amazon SNS (Simple Notification Service). The type of service that is used for applications to send critical messages to multiple subscribers. He even tested the SNS service by mailing the messages to the participants. This gave the participants a live and practical ex-



Day 6 Session 1 conducted by Mr. Amit Rambia, Chairman and managing director "Panache Digilife Limited" on the topic 'Design of connected worlds and achieving the goal of making human life easy and healthy'

of making human life easy and healthy'. He started the session by requesting everyone to contribute towards making human life easy, followed by an introduction of the journey of Panache, which is a unique technology-driven engineering company



Day 6 Session 2 conducted by Dr. Nadir Charniya, Professor Department of Electronics and Telecommunication Engineering, Vivekanand Education Society's Institute Of Technology on the topic "Fusion of IoT with ML- DL - some novel applications"

detail. He then discussed crowd density estimation using CNN and its performance result and design performance of CNN architecture. The session was concluded with a discussion on how crowd density

estimation systems can be implemented for a similar application and a video demonstration of the NIC project - a social distancing system for public areas and a Lake cleaning robot using IoT and AI.

The participants were asked to fill the feedback form and appear for a short quiz that had questions from all the topics covered under STTP. The certificates for the training program were later sent to the participants via email.

For the concluding ceremony, various participants extended their gratitude for the smooth conduction of the Short Term Training Program. The department heads, **Mrs Kavita Tewari** (Head of Department, Department of Electronics Engineering) and **Mrs Sangeetha Prassana Ram** (Deputy Head of Department, Department of Instrumentation Engineering) gave a brief about the conduction of the training program and thanked the speakers for sharing their knowledge and experiences. The formal vote of thanks for the entire event was presented by **Mrs Naveeta Kant** (Deputy Head of Department, Department of Electronics Engineering).

Patrons:

Shri B. L. Boolani, President, VES Trust

Dr. (Mrs.) J. M. Nair, Principal, VESIT

Dr. (Mrs.) M. Vijayalakshmi, Vice Principal, VESIT

Mrs Shoba Krishnan (Head of the Department, Department of Electronics and Telecommunication)

Dr Ramesh Kulkarni (Deputy Head of Department, Department of Electronics and Telecommunication)

Mrs Kavita Tewari (Head of Department, Department of Electronics Engineering)

Mrs Naveeta Kant (Deputy Head of Department, Department of Electronics Engineering)

Dr P.P. Vaidya (Head of Department, Department of Instrumentation Engineering)

Mrs Sangeetha Prassana Ram (Deputy Head of Department, Department of Instrumentation Engineering)



Top (L to R): Shri B. L. Boolani; Dr. (Mrs.) J. M. Nair; Dr. (Mrs.) M. Vijayalakshmi. Middle(L to R): Mrs Shoba Krishna, Mrs Kavita Tewari, Dr P.P. Vaidya; Bottom(L to R): Dr Ramesh Kulkarni, Mrs Naveeta Kant, Mrs Sangeetha Prassana Ram

Organizing Committee (Faculty Coordinators):

Mrs Anushree Prabhu (Assistant Professor, Department of Electronics Engineering)

Mrs Amrita Jhaveri (Assistant Professor, Department of Electronics Engineering)

Mr Yogesh Pandit (Assistant Professor, Department of Electronics Engineering)

Mrs Mugdha Deshpande (Lab Assistant, Department of Electronics Engineering)



Poster for AICTE sponsored online Short Term Training Program (STTP) on Green IoT, Phase III organized by the Department of Electronics and Telecommunication Engineering in collaboration with the Department of Electronics Engineering and the Department of Instrumentation Engineering in association with VESIT-IQAC and VESIT-IIC

STTP Coordinator:

Dr Nadir Charniya (Professor, Department Of Electronics and Telecommunication Engineering)

Course Coordinators:

Dr Abhay Kshirsagar (Associate Professor, Department of Electronics Engineering)

Mr Kader Shaikh (Assistant Professor, Department of Instrumentation Engineering)



Top: STTP Coordinator: Dr Nadir Charniya; Bottom(L to R)Course Coordinators: Dr Abhay Kshirsagar, Mr Kader Shaikh

Mrs Madhumati Khuspe (Assistant Professor, Department of Instrumentation Engineering)

Mrs Jayashree Ramakrishnan (Assistant Professor, Department of Instrumentation Engineering)

Mrs Namrata Bonde (Assistant Professor, Department of Instrumentation Engineering)

Mrs Mugdha Joglekar(Assistant Professor, Department of Instrumentation Engineering)

Student Coordinators:

Atique Kudchi (D16A)

Gaurav Govilkar (D8)



Top(L to R): Mrs Anushree Prabhu, Mrs Amrita Jhaveri, Mr Yogesh Pandit, Mrs Mugdha Deshpande (Lab Assistant, Department of Electronics Engineering) Bottom(L to R): Mrs Madhumati Khuspe(Assistant Professor, Department of Instrumentation Engineering), Mrs Jayashree Ramakrishnan(Assistant Professor, Department of Instrumentation Engineering), Mrs Namrata Bonde(Assistant Professor, Department of Instrumentation Engineering), Mrs Mugdha Joglekar(Assistant Professor, Department of Instrumentation Engineering)



Student coordinators for STTP Atique Kudchi (D16A) and Gaurav Govilkar (D8)

National-Level Quiz on Samvidhan Divas

- Sristi Sharma

A National-level quiz was held on 26th November 2020, on the occasion of **Samvidhan Divas**, to enhance knowledge and to ignite the appreciative relevance of the Constitution during Lockdown. The quiz was free of cost and was held for all the staff members, students and faculties of participating colleges.

Under the guidance of **Internal Quality Cell (IQAC)** in Association with the **Institution's Innovation Cell (IIC)** Library, the quiz was arranged for faculty, students and all the stakeholders of the society. The quiz was convened by Library Committee Members, VESIT under the patronage of **Dr. (Mrs) J.M.Nair**, Principal VESIT and **Dr. Vijayalakshmi M**, Vice principal VESIT. The quiz was conducted successfully in VESIT, thanks to the efforts of **Dr. (Mrs) Meenakshi Tyagi**, Library Incharge, VESIT, who was the coordinator for the event.

The quiz was conducted online through Google forms. Participants were quizzed on twenty multiple-choice questions on the Constitution of India. Participants with scores 40% and above were awarded E-Certificates immediately after submission of the quiz.

Prabal Tripathi (D13), one of the participants said, "The questions asked covered all the topics one could expect from the quiz, they ranged from knowledge about articles and rights to general



Under the guidance of Internal Quality Assurance Cell (IQAC)
In Association with Institution's Innovation Council (IIC)

Library

Announcing Online Quiz
(An effort to enhance knowledge during Lockdown)
On
Samvidhan Divas

For Faculty, Students and all the stake holders of the society

Quiz will be available from 26/11/2020.

Registration & Participation is "Free of Cost"

All participants scoring >= 40% will get "E-Certificate" on registered E-mail ID.

Quiz Link

<https://forms.gle/1N1dxk2TSrmaY5p56>

Dr. (Mrs.) Meenakshi Tyagi
Library Incharge

Dr. (Mrs.) M. Vijayalakshmi
Vice Principal

Dr. (Mrs.) J. M. Nair
Principal

Shri. B. L. Boolani
President, VES

Online National-level Quiz On Samvidhan Divas for Faculty, Students and all the stakeholders of the society announcement poster



Coordinator for the Quiz on Samvidhan Divas, Dr. (Mrs) Meenakshi Tyagi, Library Incharge VESIT

knowledge based questions. The questionnaire was very informative. I enjoyed solving the quiz and look forward to many such interesting quizzes".

The quiz had a lot of participation from VESIT and received numerous formidable feedbacks on the execution of it. It was engaging, thought-provoking and informative for many.

Councils

Interview Session with Seniors

- Manasi Nerurkar

High-quality placements can bring a range of benefits and positive impacts on an individual's life. The placement guidelines are of the utmost essence in the life of a student and the SPICE Committee under the Department of MCA plays a major role in mentoring a multitude of students every year.

To give the MCA students a glimpse of the requirements in preparation for placements, a session "A SESSION WITH SENIORS", was organized on the 19th of December, 2020 from 11:00 am to 1:10 pm on the Google Meet. Here, the seniors, who were placed in prime companies, gave useful tips and provided insightful information on how to build an impactful resume, preparation

and overcoming challenges in the interviews, and much more. The session was hosted by Nikhil Nair (MCA2A), the General Secretary of SPICE. The session was attended by a total of 68 students.

The topics covered were:
Facing Interviews
Facing Group Discussions
Professional resume writing
Cracking Aptitude Test
Soft Skill training
Internship Projects

The speakers for the session were **Mr Abhishek Shukla** (MCA, Batch of 2021) currently working at Quantiphi Analytics, **Mr Jinang Vora**

(MCA, Batch of 2021) serving at General Mills, **Ms Aishwarya Dhuri** (MCA, Batch of 2021) working at Nomura and **Mr Nishant Bhandary** (MCA, Batch of 2021) employed at Crisil.

Said Krunal Rane (MCA2B), one of the attendees, "It was an excellent session helped me gain a brief idea about the placement procedures & the set of skills required for the same. Overall, I found the session quite helpful and would recommend to organise more such webinars in future!"

The interactive session cleared all the queries arising in the minds of all. The advice and pointers given by the speakers provided invaluable perception for helping students crack their placement drives.



Speakers (L to R) Aishwarya Dhuri, Jinang Vora, Abhishek Shukla, Nishant Bhandary (Batch of 2021)

Aptitude Test by SPICE

Placements, the fruition of the two years of indefatigable parlay between the students of MCA and the curriculum, certainly holds great importance. The SPICE Committee, for the MCA Department, conducted several exercises for harnessing strong quantitative abilities. The Quantitative Aptitude test assesses the students’ ability to solve numerical problems and also their problem-solving skills. The section of Quantitative Aptitude holds a significant percentage of the weightage in

Competitive exams. Given the level of importance it holds, students are required to solve Aptitude Tests with accuracy and speed. To give them an upper hand with daily practice, the second year students of the SPICE Committee arranged an online test on the 21st of November, 2020 from 10 am, to help the aspiring students to prepare for the placement process. Due to the pandemic, the test was conducted online via Google Forms, for the second year students of the

- Arnab Saha

MCA Department. For this aptitude test, the topics covered were:

- Quantitative Aptitude
- Time and Distance Problem
- Blood Relations Problem
- Java Programming

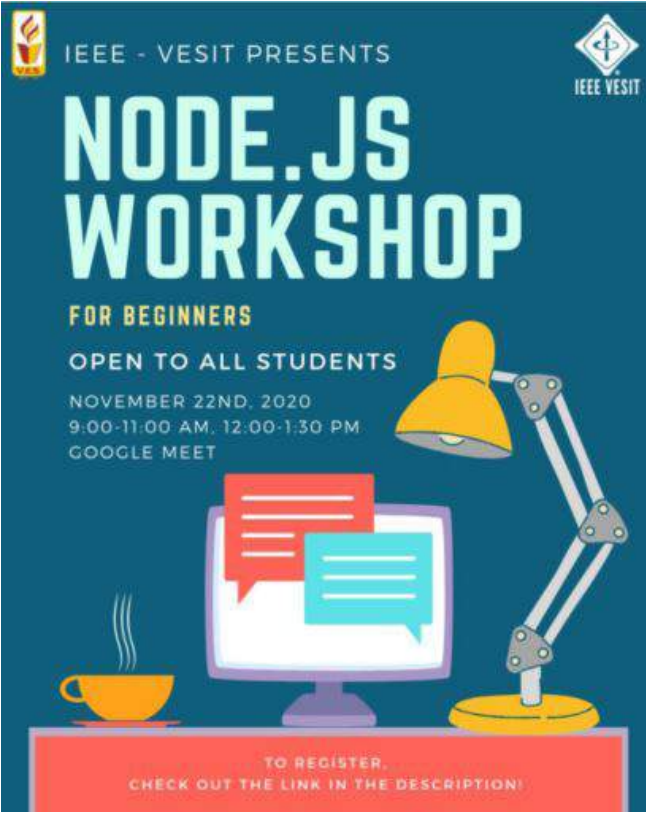
This test was well-received amongst the students. It had an overwhelming response of 37 students where the average score stood at 49.73 out of 100, and the highest score of a strong 90 out of 100.

Society

IEEE-VESIT Kicks Off the 2020-21 Session with NodeJS Workshop for Beginners

- Hridesh Kamal

IEEE-VESIT brought their first event of the academic year in form of a NodeJS workshop for beginners. This workshop was held, through Google Meet, on the 22nd of November 2020, in two sessions. Participants were taught how to make a Chat App using NodeJS and socket.io that maintained different chat rooms and allowed conversation between people.



IEEE NodeJS Workshop poster

The workshop attracted a total of 75 students with the appeal of technicality and creation. All participants were required to install Node.js and Visual Studio Code on their machines before the workshop. The first session commenced at 9:00 AM explaining the basics of HTML and CSS by **Vaishnavi Ainapure (D12A)** and **Abhijeet Thikekar (D12A)**. They taught the participants how to create the front-end of the application through an interactive programming session.

Geet Ramchandani (D10) further explained NodeJS, socket.io and their applications to the participants. This was followed by a short code-along session to design the backend of the application. The first session concluded at 11:00 AM. All doubts regarding the first session were cleared in the break.

The second session began at noon. Geet picked where he left off the code-along session and set the basic frame of the server. **Aditya Mohan (D12C)** took over and worked towards making the application capable of transferring messages. He taught the participants how to make different groups, how to transfer data to and from the server, and also displaying it. All the doubts were cleared after the session concluded at 1:30 PM.

“While conducting the node.js workshop, I realised that the process of organising an event is quite hectic, and at the same time, exhilarating. I was quite nervous in the beginning as this was the first workshop organized solely by us (TE members) without the help of seniors and also the first



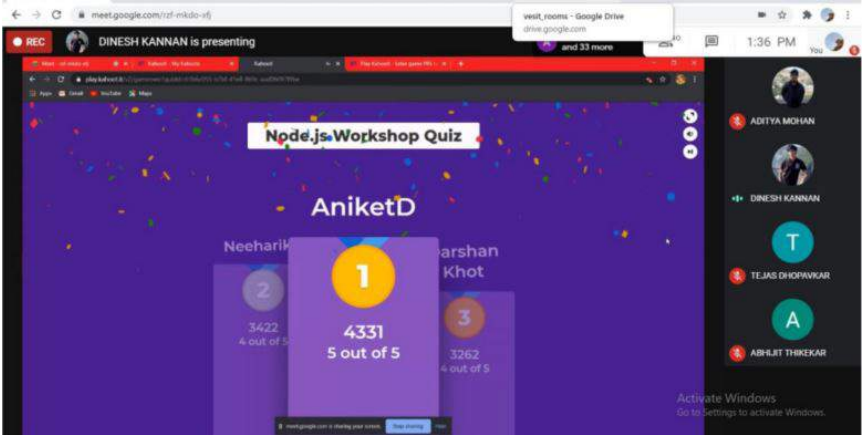
Speakers at the workshop, L-R, Top-Bottom: Vaishnavi Ainapure (D12A), Geet Ramchandani (D10), Abhijeet Thikekar (D12A) and Aditya Mohan (D12C)

workshop being held by me.” said Abhijeet Thikekar, “However, teaching and solving doubts turned out to be quite fun and seeing people pay attention made me take pride in my work and the workshop felt worthwhile.”

This was followed by an interactive quiz on Kahoot. The quiz tested how well the participants had grasped the concepts taught to them during the workshop.

The top 3 places in the quiz were grabbed by the following students:

Position	Name	Class
1	Aniket Dewnani	D7B
2	Neeharika Nagori	D7A
3	Darshan Khot	MCA 3A



Winners of the Kahoot Quiz being declared

IEEE VESIT's Initiative: Closing the Door on Cyberattacks

-Manasi Nerurkar

Cyber Security has become a dire necessity as the global cyber threat continues to evolve at a rapid pace, with a rising number of data breaches each year. The Cyber Security webinar marked the beginning of IEEE-VESIT's partnership with ICFAI Business School. The collaborative workshop was conducted on the 2nd of December, 2020, on the Zoom platform. The session commenced with **Tejas Dhopavkar** (D12A) introducing the speaker for the session, **Dr Vanita Joshi**. **Mr Rahul Tiwari** was present as the coordinator from IBS. During the session, the participants were enlightened about the basics of Cyber Security including various Cyber Laws and Malware.



Speaker of the event, Dr Vanita Joshi

Dr Vanita Joshi possesses an academic experience of 18 years in teaching at Postgraduate level in various Management Institutes. She is a Science-Maths graduate, MBA in IT and awarded a PhD in the area of Management. She holds a University Gold Medal for her meritorious performance in Post Graduate Diploma in Operations Management from IGNOU-Delhi. She got further exposure on Operations Management through a Faculty Development Program at IIM Bangalore. She has participated in various International and National research conferences and workshops in IIM-Indore, IMI-Delhi, IIT-Delhi, Apeejay School of Management-Delhi, and Nirma University-Ahmedabad. She has won two Best Research Paper Awards in 9th Nirma International Conference on Management, Ahmedabad and 3rd International Marketing Conference at IBS, Mumbai respectively and holds two Best Ph.D. Thesis Awards to her credit. She has been actively involved in delivering Faculty and Student Development Program on varied topics of interest in UG Colleges of Maharashtra and Madhya Pradesh. Presently she is serving at ICFAI Business School, Mumbai as full-time faculty and is heading the entrepreneurship cell at the campus.

Dr Vanita Joshi began the webinar with active interaction with the attendees to gauge their perception on the topic of "Cyber Security". This was followed by an explanation about the different types of malware and system vulnerabilities caused by snooping, intrusions, and cyber vandalism. She further elaborated about crimes such as identity theft, phishing, click fraud, and cyber-terrorism. She also emphasised on the sizable effects of cyber-crimes and cyber-attacks which have a cynical impact on businesses. The out-turns of criminal offences were loss of revenue, lowered market value, legal liability, and much more. The speaker proceeded with the webinar by throwing some light on the recent cyber-attacks through examples of the 'Cosmos Bank' (Pune) case study, 'Canara Bank' case study and the breach of 1.1 billion records of Indian Aadhar cardholders to name a few. The speaker also made the attendees aware of the cyber safety tips, namely using strong passwords, firewall, encryption, multi-factor authentication, etc to ensure protection against malicious malware and the latest cyber threats.

When asked about his experience about attending the webinar, one of the attendees, **Rahul Nailwal** (D10A), said "The purpose of this seminar was to edify the attendees on the basics of cybersecurity. The speaker mainly focused on the presence of Malware in Computer systems. Topics like Cyber Security, Cyber terrorism, Internet threats, sloppy vulnerabilities, its effects on business, about cryptocurrencies like bitcoin, recent attacks over the past years were explored. Overall, it was a very informative session and I am looking forward to getting to attend more such sessions in the future." The zestful interchange of ideas between the speaker and the participants in the Q&A session eradicated doubts arising in the minds of many. The session ended on a high note along with a vote of thanks delivered by **Tejas Dhopavkar** (D12A).



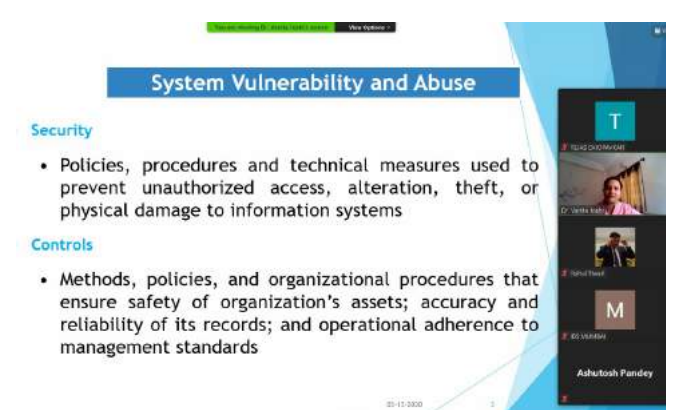
Co-ordinator from IBS, Mr Rahul Tiwari



Cyber Security Webinar Poster



About Dr. Vanita Joshi



Dr Vanita Joshi giving an explanation about system vulnerabilities and abuse

"It is easier to fool people than convince them that they have been fooled"

- Mark Twain

CSI-VESIT Java Workshop

-Palak Garg, Siddhi Bhosale

The CSI-VESIT hosted its Annual two-day Java Workshop on the 4th and 5th of December 2020 with an add-on Android App Development on 6th December 2020. It was held online via google meet. The workshop aimed to get the students acquainted with all the concepts of Java thereby providing a hands-on experience of Android App development using Java. It was conducted in three sessions which included: the very basic concepts of Java, like classes, objects and inheritance followed by explaining the students about object-oriented programming and its use in Java language. The last session of the workshop had attendees build Android and web applications with guidance, which was the main motive of the workshop.

The SE's got an opportunity to revise all the topics thoroughly before their practicals and oral exams, and the BE's and TE's got to brush up their java skills before placements. Both members and non-members were allowed to attend the workshop and it was a huge success as it ended on a high note, with every student having fair knowledge of Android Studio, its architecture, databases and layouts. Students were also given important viva questions and significant tips and tricks that are generally asked, which, truly, was the need of the hour! The principal aim of the session was fulfilled as all students were familiarized with the basics of android programming, wherein, at the end of the day, they knew how to make their own user-friendly apps. The workshop was conducted in two sections, one for the students of Computer Engineering and Information Technology and the other for the students of Electronics and Electronics and Telecommunications Engineering.

The first part of the workshop, taught on days one and two, was conducted by **Vedant Sawant** (D12B), **Swarangi Dali** (D12C), **Mohd. SherAli Shaikh** (D15), **Bhavesh Lohana** (D12C), **Pooja Koshti** (D12A) followed by **Swapnil Gore** (D14B), **Vedant Sawant** and **Mohd. SherAli Shaikh** who conducted the App Development Workshop on Day three.

Topics covered included:

Day 1:

- Basics of java
- Class
- Objects, Array and String



(L-R, Top) Pooja Koshti (D12A), Bhavesh Lohana (D12C), Mohd. SherAli Shaikh (D15), (L-R, bottom) Vedant Sawant (D12B), Swarangi Dali (D12C), Swapnil Gore (D14B)

- Method overloading
- Constructor overloading
- Inheritance and Interfaces
- Abstract methods, Polymorphism and Encapsulation

Day 2:

- Exception handling
- User-defined exception
- Multithreading
- Recursion, Vectors
- GUI
- Applet

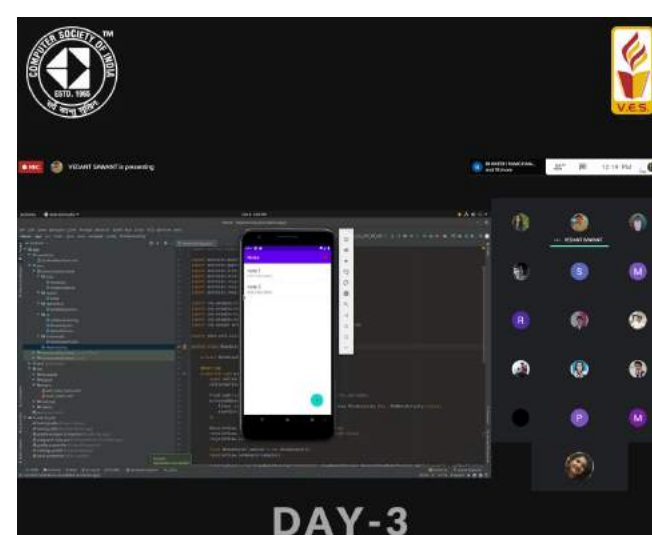


Day 2 - Basics of Java

- Regex

Day 3:

- Android Development using Java
- Making a Notepad app using Room Library



Day 3 - Basics of Android Studio Application

Aaron Arimpur (D9B) said, "The session explained the basics of java very deeply along with reliable examples. Android studio application and its use was explained in detail, to develop an app and run it on a virtual machine. All in all the workshop was very informative and worth attending."

ISA- Front End Development Workshop

- Vaidyanathan

The cowl might never make the monk, but a web page is surely assessed based on its appearance. The ISA-VESIT Council conducted a two-day online workshop on Front End Development, on the 5th and 6th of December, 2020. The workshop was conducted on Google Meet for a duration of 90 minutes on both days. It was conducted by **Onkar Bhatlawande** (D12A) (Technical Executive, ISA-VESIT), **Omkar Mangalpalli** (D12A) (Web Editor, ISA-VESIT) and **Shubham Metkar** (D11B) (Web Executive, ISA-VESIT). This was a free event for the members of ISA-VESIT and open to members from the second and third years.

All of us have spent hours surfing the internet during this quarantine, jumping from one page to another and wondering how amazingly these websites have been developed. With an aim to learn The first session kick-started with the participants being familiarized with the basics of HTML in which concepts like using tags and constructing a model website were explained. Further, the par-

ticipants were taught CSS which helped in making their specimen website aesthetically appealing.

The second day of the workshop was dedicated primarily to tutor the students with the basics of JavaScript to make interaction with the users. After all, the necessary and required concepts of creating a website were elucidated, the participants were given a few tips on how to customize and improve the aesthetics of their website. The sessions conducted in the workshop helped the participants in creating their own professional portfolios.

By having a personal website, students gain a competitive advantage, in addition to boosting their chances of landing a job. The response for the content covered in the workshop was incredibly encouraging which helped in ensuring the workshop's success.

"This workshop has been really insightful and has sparked my creative side for front end development. A lot of my previous knowledge in HTML and JavaScript has been revised, together

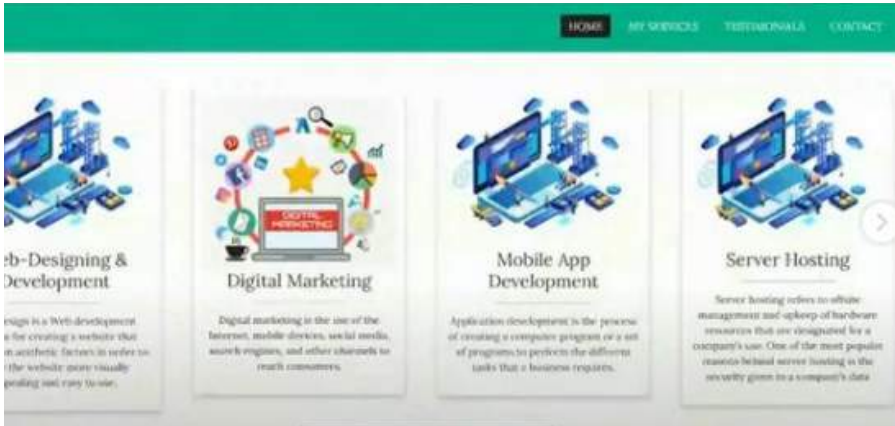


Speakers at the workshop (L-R) Mr. Onkar Bhatlawande(D12A), Mr. Shubham Metkar(D11B), Mr. Omkar Mangalpalli(D12A)

with the new set of skills I have learnt, thanks to this seminar," said Prajakta Ukarande (D8).



Mr. Omkar Mangalpalli presenting an example of front end development



The various applications of front end development

VESIT Voice

-Atharva Gupte

The last month of 2020 was witness to many new tough challenges that students and faculty members handled head on. From second term tests and submissions to online vivas the in hectic end of term season was successfully onboarded virtually and carried out with ease due to equal cooperation from students and teachers.

We are proud to announce that VESIT IIC once again was awarded a 4.5 star rating by the Ministry of Education. With regards to the National Education Policy that will be implemented soon, VESIT had organized a webinar for teachers to make them aware about the changing landscape of Indian education. Following that we had the Department of Information Technology of VESIT partnering with Municipal Corporation of Greater Mumbai to launch ‘Project Swechchha’ a model proposing monitoring of Operation and Maintenance of Public Toilets. A short term training programme was organized for the Department of Electronics and Telecommunications and Department of Instrumentation on Green IoT.

Adith Nair (D19B) and CV Ananya (D19B) successfully clinched the prestigious CII Debate, proving that virtual boundaries won’t ever stop our students from aiming high. In a first of its kind event, VESIT conducted a national level quiz competition on Samvidhan Divas on the relevance of the Indian Constitution in lockdown, which was convened by the VESIT Library Committee. SPICE held an insightful session on much needed placement guidance and mock aptitude tests which was held by seniors who were placed in reputable companies. The technical societies kicked off the series of workshops on various topics ranging from NodeJS and Cyber Security to Java and Front End development.

In VESIT Diaries, we interact with Mr.Tarleen Dand who is a masters student at Northeastern University where he studies Engineering and Industrial Management. We talk to him about his college days, challenges of doing a masters in the US and the post COVID-19 scenario from a student’s lens.

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Vaidyanathan
Natarajan

Musings And Expressions



Neeharika Nagori (D7A)



Jahnvi Mulchandani (D7A)

The Dentist

- Madhumita Menon (D14B)

I have been having this severe toothache for days now. So today, when my granddaughter suggested a visit to the dentist, I agreed immediately. She took me to one of those fancy clinics that one of her friends own. The ones with the separate receptionist and in-clinic staffs. Soon enough, it was my turn and the dentist declared one of my molars rotten and suggested it's removal. The procedure was done, I was advised not to move my jaws and so I could not speak. It was then that my dentist removed his mask and flashed his perfectly aligned set of teeth which appeared way too familiar than it should have been.

...

I tried hard to place him, but couldn't. My memory isn't like it used to be. He kneeled at my foot and I noticed he had tears in his eyes. It was at that moment that I realised, he was my student at a government school that I taught back in the day. A mischievous young lad, who tried running away from school in 10th grade. I remember I yanked him back in class and forcefully dragged him through the academic year. I felt overwhelmed at how he has become these days. I wanted to speak but couldn't and through tears in his eyes he said, "Look how the tables have turned, now I have made you shut up."



Shreya Kamble (D3)

Humanity

-Bhairavi Chavan (D11B)

An eight letter word,
Loud enough to be heard,
Whose meaning lies in itself,
An important quality, seen in oneself !

Acts of charity,
Any kind of help socially,
All counts for humanity,
And a great heart is the key

A little comfort when someone is sad,
A quick hug when someone's day is bad,
A little appreciation when someone does great,
A little piece of advice when someone curses his fate.

Humanity improves you personally,
Inculcates values of sheer importance,
Because those will give you an edge over others,
Many many times, not just once.

It teaches you to care,
Choosing the right and being fair,
Being inhuman will bring you nothing,
No door would open, even if you give a ring.

No need to belong to a specific caste,
No need to belong to a specific gender,
Just being human is enough,
For you at humanity to surrender



Neeharika Nagori (D7A)

“Pray for your health first, then pray for humanity”

- Maxime Lagace

VESIT Diaries

Mr. Tarleen Dand completed his Bachelor's in Electronics and Telecommunication Engineering from VESIT in 2017. He then completed his MS in Engineering/Industrial Management from Northeastern University, Boston, Massachusetts. He was one of the founding members of VESITConnect. Here, he talks about his life and experience.

Tell us something about your college life at VESIT?

Fun fact: This is my second time I am appearing in the VESIT Connect Newsletter. It is difficult for me to put my college life in a few words, especially when the college life that I have experienced is full of amazing memories and adventures. As I had already done my Diploma in Engineering, my VESIT college life started directly into the second year of Engineering i.e., the C division or you can say the second shift division. I was part of the IEEE student organization, participating in Sphurti (Sports), Praxis (Annual Tech fest), and my all-time favorite - building VESIT Connect. I tried being a part of as many things as I could, I was so involved in my college life that my transition from D9-C to D14-C to D19-C is hard to forget. This is the place where teachers outside my Department stood by me, supported me, guided me, and helped me without having a second thought and this is true to date. I have had an opportunity to make new friends and strengthened the existing ones. friends who have held each other in good and bad. The bond, the hangouts, the fun, and the laugh that we shared still makes me nostalgic whenever we talk to each other.

What was the most memorable moment/time at VESIT?

The most memorable moment at VESIT would be the time when I received the Shresthata Award on World's Student Day i.e., 15th October, also the birthday of my role model Late Dr. A. P. J. Abdul Kalam Sir. I cherish that moment not just because I received an award but also because that is the day my friends and family were there to celebrate (few friends are missing in the photo.) Thank you, Mrs. Nusrat Ansari ma'am, for everything, this was only possible because of you.

Academically, the memorable moment for me was when I along with my final year project team came runner-up in a Tech Expo Event at IEEE-SAKEC. Thank you, Mrs. Rasika Naik Ma'am, for your guidance and support and for making us capable of winning this event.

Lastly, this is not exactly a memorable moment, but it is the time that I spent under Mrs. Geeta Ajit ma'am and Mrs. Priya R. L. Ma'am for VESIT Connect and Vishwakarma. I have and am still enjoying every bit of that time, whenever I connect with them.

How was your professional life after VESIT?

After VESIT, I had two options either to pursue higher studies or to join Accenture as an Associate Engineer. Before joining Accenture, I researched higher studies options and roughly calculated a timeline for the same. Later, I joined Accenture and was in training for approximately 3 months. During this time, I was trained in database management. Once the training was complete, I was as-

signed to one of the biggest projects of Accenture, Mumbai. On the other hand, I also started to apply to the University to pursue MS. During my tenure at work, I had two offers from US University. I realized MS would be a better option for me at the time, so I took admission and have recently completed my MS in Engineering Management.

What is the importance of extracurricular activities in a student's life and how to manage them along with academics?

Extracurricular activities in a student's life are as important as a practical lab experience for any subject. The only difference is practical labs tend to teach students technology in practice and extracurricular activities tend to teach social, leadership, and interpersonal skills in practice. To name a few things, indulging in extracurricular activities makes students confident, able to work in groups, communicate better, and reach the goal faster and better. How to manage extracurricular activities along with academics is a very subjective question. There is no one way of managing both and not one plan suits all. Try to find the balance between academics and extracurricular activities, study in a group with friends (a group IQ is always higher than the individual IQ). I would like to quote one of my favorites.

Please guide on some interpersonal skills a student should develop apart from academic knowledge for professional life.

Active Listening, Adaptability, Friendliness, Collaborating, Self-learning, and a positive attitude are a few of the interpersonal skills that a student should develop apart from academic knowledge. The above-mentioned skills are just a few of them but if you have an opportunity to learn extra, never miss them. Active listening helps you understand the needs of others and bring everyone on the same level. Friendliness makes you more approachable. A positive attitude makes you encourage/motivate others.

How was your experience of doing your master's in the USA?

One thing that I can say with surety is that my experience of doing a Master's in the USA was wonderfully unexpected, challenging, a little emotional, educational, and amazing. I have learned so many things, that if written will be a long list. It gave me an opportunity and exposure to a whole new world. It has helped me build a wide professional network. During the two years of my Master's, I have had the privilege to interact, share, and discuss my ideas with many Industrial experts. I have attended open career fairs where I presented myself to recruiters and employers. During my Master's I also had an internship experience of 4 months. This experience was different from the internship experience that I had in India because of the work culture. I have also been a part of different student organizations. During one of the festive events organized on campus, I had an opportunity to speak in front of 1000 students. To sum up, I am happy to say that my Master's was beyond my expectations not just academically but also professionally and personally in terms of fun.



Mr Tarleen Dand

Studying and working in the USA is considered to be the ideal lifestyle. How far is the reality from the expectations?

Studying Master's in the USA is different on so many levels. The courses and the electives offered are different. The teaching methods are based on coursework. you are graded or tested based on projects, exams, quizzes, or any combination of these depends on the professor. It is challenging because one has to manage everything from their academics to their daily routine activities all by themselves. This becomes more demanding when one starts working on-campus/Part-time, this adds more things on the plate to handle. It is considered an Ideal lifestyle because it makes us independent and responsible for our things, but with this ideal lifestyle also comes the stress to manage academics, work, health, shopping, and emotions. No matter how confident you are, you start having a little fear that you do not make any mistakes that might land you in trouble. The reality is different from expectation for everyone, some are fast at adapting to the surroundings while some take extra time but eventually reach that point.

How important is post-graduation in today's world?

Post-Graduation in today's world is like a feather in a hat. With today's world being competitive, Post-Graduation helps one to stand out from the crowd. It has its benefit as its help and individual to specialize in the field they are interested in. It makes an individual pace up to the latest technology and methods used across different domains. Post-graduation can also be used as a professional development tool along with broadening intellectual interest. It helps to enhance the salary prospects and improves chances of employability. I believe that post-graduation in today's world is necessary as there is an immense need for highly skilled and qualified individuals to create innovation and deliver change in society.

What are the things one should keep in mind before deciding on doing a Master's in the USA?

A Master's in the USA comes with a lot of challenges. Before deciding one should start with connecting with people especially students (seniors) who are already in the USA or use the internet to better understand the situation and environment they are willing to be in. They should research the master's

program that they want to enroll in. Figure out the best universities based on their program and the courses offered by them. One should also understand that emotions also play a vital role in deciding, you may not feel that in the beginning but as the reality hits. It becomes difficult for many students to keep themselves mentally safe and sound. Weather conditions are different for different regions of the USA, being from a warm country it might be difficult to adapt to the freezing winter of the USA.

Post COVID-19, the job situation is going to be quite scary, how do you think students who will be graduating can cope up with that?

I do not feel the job situations post COVID-19 are going to be scary. I believe that the Job situations Post COVID-19 are going to be good and positive. As the economy will start opening there will increase in employment. For the students who feel that the situation is going to be scary, my strong advice to you is to never lose hope. Make your-

self knowledgeable about the current and the latest trends used across the industry. Increase your professional network, do not shy from asking for guidance from people who have made it during this unprecedented time. Learn from other's mistakes and improvise on yourself.

Lastly, if you may feel all or any sorts of negative emotions, do not let that affect you. Do not isolate yourself or make yourself feel less worthy, you will eventually get through this it is just a matter of time. If you are strong and capable, help your friends, guide them.

Message for the new generation at VESIT!

Try to be a part of as many things as you can during your college life, you will always learn some new skills by participating. Enjoy every moment that you spend with your friends, you will cherish the moments and friends throughout your life. This the place where you will have the most fun of your life. Do not fear anything, be open and willing to learn anything and everything. Make as many mistakes

as possible, that is the best way you will learn, and no one will judge you for that. Try to be helpful to one another to your best capacity. The friendship you make may end up being as close as a family to you.

The alumnus is also invited to add any other details/points which he/she considers important to share with the readers.

I want to thank all the teachers in VESIT and EXTC Department. I want to take this opportunity especially to thank Principal J. M. Nair Ma'am, Mrs. Geeta Ajit Ma'am, Mrs. Priya R. L. Ma'am, Mrs. Rasika Naik Ma'am, and Mrs. Nusrat Ansari Ma'am for all the mentoring, guidance, and support that I have received from you. No amount of thanking you will ever be enough. I am sorry if I have ever let you down in the past.