



# VES Institute of Technology

NEWSLETTER:  
DEPARTMENT OF INSTRUMENTATION



## In this Issue

- Editorial
- Department Vision
- Message from Department
- Faculty Achievement
- Placements
- Staff Activities
- SEA
- ISA
- Electrical Vehicles
- V-Reach Series
- Alumni Speaks

## Editorial

Industrial Automation is a discipline that includes knowledge and expertise from various branches of engineering including electrical, electronics, chemical, mechanical, instrumentation, communications, and more recently computer and software engineering. Automation & Control by their very nature demand a cross-fertilization of these faculties.

Automation means “the technique of making an apparatus, a process, or a system operate automatically.” We define automation as “the creation and application of technology to monitor and control the production and delivery of products and services.”

Society in its daily endeavors has become so dependent on automation that it is difficult to imagine life without automation engineering. In addition to the industrial production with which it is popularly associated, it now covers a number of unexpected areas. Trade, environmental protection engineering, traffic engineering, agriculture, building engineering, and medical engineering are but some of the areas where automation is playing a prominent role. Automation engineering is a cross-sectional discipline that requires proportional knowledge in hardware and software development and their applications. In the past, automation engineering was mainly understood as control engineering dealing with a number of electrical and electronic components. This picture has changed since computers and software have made their way into every component and element of communications and automation. Automation is the key to modernization and has been conceptually understood as a way to increase efficiency and to improve productivity.

## VISION OF THE DEPARTMENT

To contribute at National as well as International level for excellence in technical education and research in the field of instrumentation and control by creating proactive, noble personalities and integrated individuals who will use the knowledge and be fully dedicated to the progress of society.

## Message from Department



Mrs. Deepti Khimani  
Associate Professor  
&  
Dy. HOD

### Welcome back dear all!

*I remember the saying of Lord Buddha, "No matter how hard the past is, you can always begin". This holds even today in the world we are living in. Several things have changed in the pandemic era including teaching learning methods. Mankind by its very nature adapts to the new situation every time it encounters and; so does the faculty of Instrumentation and control engineering. Instrumentation engineers, with strong interdisciplinary knowledge base, are adopting the cutting edge technologies in order to maintain position in the race to serve the mankind through the technological evolution.*

*Instrumentation has adopted Artificial Intelligence (AI) and Internet of Things (IOT) based technologies to serve the people throughout lock-downs with their applicability in various areas ranging from health monitoring system to large productivity of essential goods to production of pharmaceuticals through automation and so on.*

*With experienced faculty, researchers and sophisticated laboratories, our department is capable of imparting education that covers the core of instrumentation and control and; fill up the gap between theory and practice to make you ready to serve the mankind.*

## Higher Study

Two students named **Tanmay Shrivage** and **Shubhangi B** got admitted for higher Studies at **Northeastern University Boston** and the **University of Buffalo NY** for various fields of specialization such as MS in Data science and computer science and engineering respectively.

## Online Courses (Student & Staff)

- Coursera
- Udemy
- Unschool Ltd.
- Pirple
- Microsoft

## Faculty Achievement

### Ph.D. Completion - Dr. Nilima Warke

Congratulations.....Dr. Nilima Warke on successfully completing your Ph.D.in Dec 2021 and making us all proud. Your motivation and optimism is an inspiration to many. Stay the same. Keep flying and attaining greater heights!

**Topic:** New Hardware Methods for Extraction of Low-Level Differential Signals over Wide Bandwidth With High CMRR and S/N Ratio

**Guide:** Dr. (Mrs.) Jayalekshmi M. Nair and Dr. P.P. Vaidya



Dr.Nilima Warke

## Internship & Training

- Supertech Instrumentation Services
- Microsoft, Futureskills
- Nice Consultancy
- Perfect Instrumentation Controls
- BRIT-BARC, Turbhe
- NIT JALANDHAR, PUNJAB
- RK Control Instruments Pvt Ltd
- Expertshub
- RK DUTT CONCERN
- Endress+Hauser
- Sierra Instrumentation & Control
- B&R automation
- Bennett, Coleman & Co. Ltd. (The Times Group)
- R.C.F, Thal-Alibag
- Jacobs engg india PVT LTD. (kondivita)
- Reliance Industries Limited
- BSNL
- Siemens
- Bharat petroleum refinery mumbai
- L&T Heavy Engineering
- JSW Steel Ltd
- BARC
- Glenmark Pharmaceuticals

## Placement Statistics

(2020-21)

No. of Students placed: 35  
No. of Students Eligible: 56

## Our Recruiters

(2020-21)



## Research Papers

- **Amudha Senthilkumar, Mayuresh Shelar, Sonali Gaitonde**
  - Published a paper in Journal of Detection of diabetic retinopathy and its classification from the fundus images ICCCI 2021
- **Kadambari Sharma**
  - Published a paper in the International Journal of Advanced Research in Electrical, Electronics, and Instrumentation Engineering(IJAREEIE),in September 2021
  - International Conference on Proceedings of 3rd International Conference on Advances in Electrical and Computer Technologies 2021, in October 2021
  - International Conference on Proceedings of 3rd International Conference on Communication, Computing and Electronics Systems, ICCCES2021 in October 2021

## • Sangeetha Prasanna Ram

- Published an international journal on International Research Journal of Engineering and Technology in September 2021

## Orientation Programs

- **Mrs. Nilima Warke**
  - National Level AICTE-ISTE Orientation/Refresher Programme entitled "Advanced Mechatronics System" organized by Sandip Polytechnic, Nashik from 2nd Feb 2021 to 6th Feb 2021
- **Sangeetha Prasanna Ram**
  - Online Orientation Program for the course "Analytical Instrumentation" Organized by VESIT on behalf of Board of studies, Mumbai university on 10th July 2021
- **Jayashree Ramakrishnan**
  - Online Orientation Program for the course "Analytical Instrumentation" Organized by VESIT on behalf of Board of studies, Mumbai university on 10th July 2021

## Workshop / Courses Attended by Faculty

- **Kader Shaikh**
  - AICTE sponsored one week Short Term Training Programme on Green Internet of Things (Phase III) (One Week)
- **Jayashree Ramakrishnan**
  - E-Session on “National Education Policy 2020 (NISP)” - [One Day]
  - E-Session on “National Education Policy 2020 (NISP)” - [One Day]
  - ATAL Online FDP on "Electric Vehicles" - [One week]
  - Innovation Ambassador Training(Advanced Level) - [One Month (16 sessions of 30 contact hours)]
- **Deepti Khimani**
  - Webinar- National Innovation and Startup Policy (NISP), the initiative of MHRD and AICTE - [One day]
  - Identifying Intellectual Property Component at an early stage of Innovation - [One day]
- **Dr. Nilima Warke**
  - ATAL online FDP on "Implementation of Industry 4.0 and It's challenges" - [One week]

- Innovation Ambassador Training(Advanced Level) - [One Month]
- National Level FDP on "Data Science for Instrumentation" - [three Days]

- **Mugdha Jogalekar**
  - AICTE organized online FDP on "Inculcating Universal Human Values in Technical Education" - [5 Days]

## Skill Enhancement Activity

- A series of 3 BMI special lectures were delivered by Ms. Monica, (Ph.D. scholar, IIT-B) for the final year students on the following:
  - 'Signal analysis and design of EMG signal conditioning circuit' on 28th August 2021
  - 'Signal analysis and design of EMG signal conditioning circuit' on 04th October 2021
  - "Brain-computer interface (BCI) application of EMG/EEG signals" on 09 October 2021

## Skill Enhancement Activity

- Lecture on “Digitalization in Pharmaceutical Industry ” delivered by Mr. Lalit Bangera,(Siemens Pte Ltd, Singapore) for the final year students on 25th Sept, 2021
- Lecture on “Instrumentation Control Panels and Control Room Design” delivered by Mr.Dattatray Nikam (Chief Engineer-Instrumentation, NPCC Engineering Pvt. Ltd.) for the final year students on 15th May 2021 .

### Lecture on “Instrumentation Control Panels and Control Room Design”

The screenshot displays a Zoom meeting interface. At the top, two presentation slides are visible:

- Slide 11: Type of Instrumentation Panels – Control Panels / Cabinet**  
Generally, Instrumentation Panels standard size are considered by Industry are as follows an can be changes based on specific project requirements  
1. 1200mmL x 1200mmD x 2100mmH or 1200mmL x 800mmD x 2100mmH  
2. 800mmL x 800mmD x 2100mmH  
Type of Instrumentation Cabinets:
  - Marshalling Cabinets
  - System Cabinets
  - System cum Marshalling Cabinets
  - Electronic Marshalling Cabinets
- Slide 12: Understanding the Instrumentation Cabinets**  
Back to Basic Sketch  
The diagram shows the flow from Field Instrumentation through a Junction Box to Marshalling Cabinets and System Cabinets, which are connected to a Control Room and a System Cabinet. A Control Console is also shown.

Below the slides, a grid of 24 participants is visible in a Zoom meeting. A red 'REC' indicator is in the top left corner. Several participants have icons overlaid on their video feeds, including a red 'S', a yellow 'S', a pink 'A', and another red 'S'. The name 'Dattatray Nik...' is visible on the top left participant's name tag.

## ISA Activity (Students Platform)

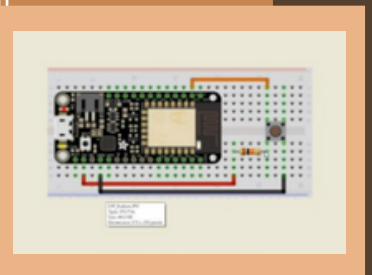
ISA-VESIT took a huge leap this year on the path to give the service of a Technical Society in the true sense. Set out to achieve technical prowess, it has surely come a long way. ISA-VESIT has now become a more technical oriented society and aims at imparting technical skills to its members in tandem with recreational events and skill enhancing workshops. The various activities conducted under ISA are:

### Technical Events:

#### I. IOT Advanced Workshop (20th and 21st of March, 2021)

Conducted by : Mr. Prithvi Shetty, Mr. Jatin Dandelia, Mr. Abhijeet Gaonkar and Mr. Amogh Sadhu

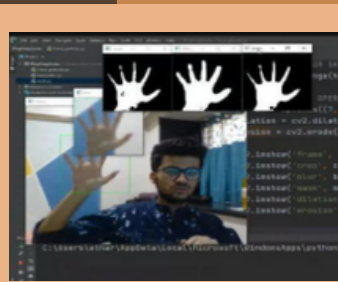
This 2 day workshop concentrated on getting the participants acquainted with the PIR sensor and ultrasonic sensor by building a basic burglar alarm, IoT-based web service IFTTT alongside Arduino IDE to accustom the hardware to the web, use of Python libraries to create an interactive 3D model of working hardware on the web. On the second day it covered introduction to the DHT11 module and using web-based services like ThingSpeak and MIT App Inventor, the basics of MQTT and an informative session on the need and use of IoT.



#### II. Image Processing Workshop ( 27th and 28th of March, 2021)

Conducted by : Mr. Atharva Patil, Ms. Rakshitha Krishnan, and Mr. Onkar Bhatlawande

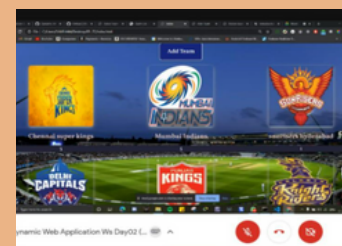
A small session covering the fundamental insights of the Python programming software was conducted by Mr. Shripad Kulkarni and Ms. Dhruvisha Mondhe. With the growing need for image processing in every field and with an objective to signify its importance, ISA-VESIT conducted its Image Processing workshop. At the end of the session, the participants developed their own Ping Pong Ball game which can be controlled using hand gestures.



### III. Dynamic Web Application Workshop(10th and 11th of April 2021)

Conducted by : Mr. Omkar Mangalpalli and Mr. Shubham Metkar.

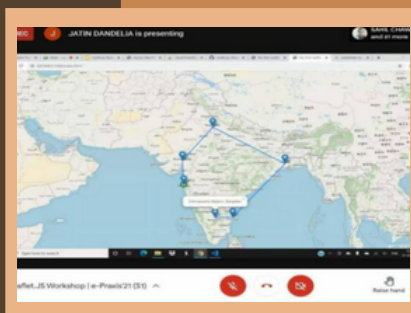
Dynamic Web Application workshop was conducted by ISA which concentrated on enhancing the backend development skills. It concentrated on the basics of Django Framework and introduction to web development, learning HTTP responses, creating HTTP files and templates, and rendering them as a response, learning techniques to interface JS, CSS, and images with Django. The workshop ended with the development of the webpage that displayed the logos of all the IPL teams which was built and fetched in the created API that could be modified in the front end according to the user's need.



### IV. Leaflet.JS Workshop(17th of April, 2021)

Conducted by : Mr. Jatin Dandelia and Ms. Mahek Tardeja

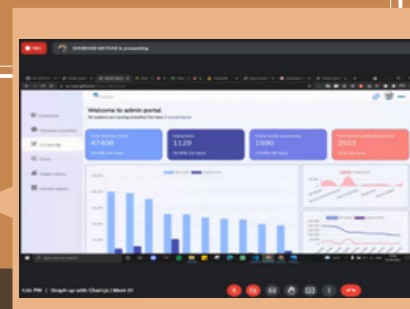
ISA-VESIT conducted the Leaflet.JS workshop as a part of e-Praxis'21. It covered, introduction to the fundamentals of JavaScript and Leaflet.JS. Participants created their own 'Guess the Place' game by implementing all the concepts learned in the session. They were instructed to customize the mapping and make it clickable. Calculation and exhibition of the distance between the original and the guessed incorrect location were also explained.



### V. Graph up with Chart.js Workshop(19th of September, 2021)

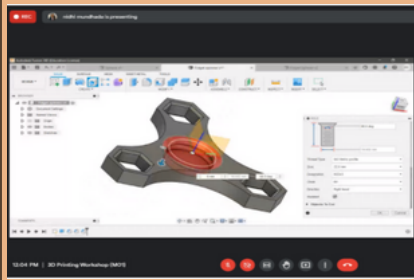
Conducted by : Mr. Omkar Mangalpalli and Mr. Shubham Metkar

To help the students visualize data using interactive charts on the web, ISA-VESIT conducted a Graph up with Chart.js workshop. A short quiz was played with the participants which tested how well the participant's understood the concepts taught. The interactive programming session included the basics of HTML for displaying the visual elements of a web page, CSS for making it visually appealing, and JavaScript for adding interactive client-side functionality. The session ended with the 'Dashboard Making Competition'.



## VI. 3D Printing Workshop( 3rd of October, 2021)

Conducted by : Ms. Nidhi Mundhada and Ms. Esha Kadam

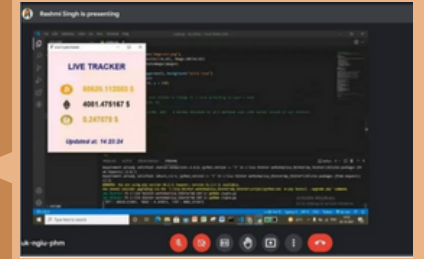


The participants were then given a brief tour of Fusion 360, a software for 3D model designing. A Fidget spinner and a mug was designed from scratch in the sessions. This session also introduced FlashPrint software for using ISA-VESIT's very own 3D Printer - 'Flashforge Adventurer 3' to get their designs printed. The workshop concluded with the announcement of the '3D Design Competition' for the participants to create their own designs and have them printed on ISA-VESIT's 3D printer.

## VII. Desktop Applications using Tkinter Workshop( 23rd and 24th of October, 2021)

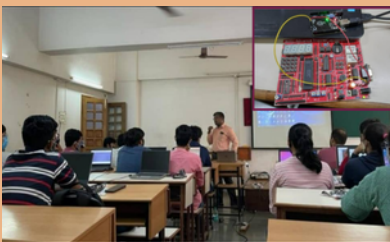
Conducted by : Ms. Rashmi Singh, Ms. Hrutika Pakhale, and Ms. Asmita Bhangare

To acquaint the students with GUIs and desktop applications, ISA-VESIT conducted Desktop Applications using Tkinter workshop which covered Basics of Tkinter, databases, and their management using SQL. Participants were assigned a task to create a GUI for a login and registration page. A live cryptocurrency tracker was also built and the participants were familiarized with APIs.



## VIII. Embedded Systems Workshop(27th and 28th of December, 2021)

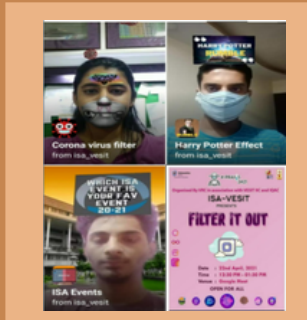
ISA-VESIT conducted its first offline workshop on Embedded Systems after the longest break followed by an internship opportunity to make the members familiar with microcontrollers and implement embedded systems in their projects. The workshop covered the fundamentals of the 8051 microcontroller board and MS51. The participants were given an opportunity to work on some basic projects like blinking LED, blinking patterns of LEDs, buzzers, relays, and temperature measurement using LM35.



## Non Technical Events:

### I. Article Writing Competition (March 2021)

An Article Writing Competition was conducted by ISA-VESIT by the end of March 2021 with an effort towards facilitating the need for technical comprehension and effective knowledge sharing. The competition advocated the views of students on various aspects of revolutionary technology.

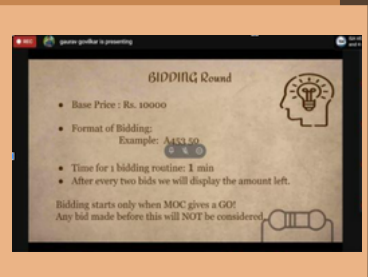


### II. Filter it Out (April 22, 2021)

The Filter It Out event was conducted as a part of e-Praxis'21. It commenced with a workshop where the participants were introduced to the workspace of Spark AR Studio. The participants tried their hands on making tattoos and stickers using material and custom textures.

### III. Hardware Auction (22 April 2021)

ISA-VESIT successfully conducted the event, Hardware Auction as a part of e-Praxis'21. The event was conducted in three rounds as the bidding, bargaining, and building rounds. This event tested the technical and soft skills of the participants and their enthusiasm made this event an immaculate success.



### IV. Design Thinking in Engineering Workshop (1st and 2nd of May, 2021)

Conducted by alumnus Mr. Mihir Lele

This workshop commenced with a brief introduction to the 6 stages of Design Thinking further exemplified with the help of case studies of various companies. By the end of the first session, the participants were given some problem statements so that they could work on them and implement everything they had learned. Further, they were introduced to various tools, platforms, technologies and competitions where they can build their skills



"Kuch Creative Corona 2.0!"

Featured Artworks



By Srushti Gharat (D8)



By Madhura Padge (D8)



By Shikha Negi (D8)



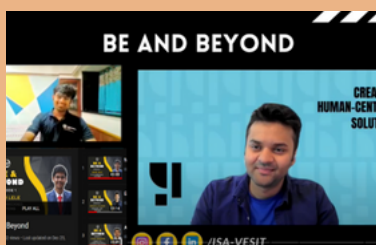
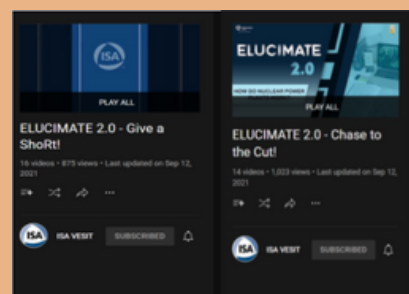
By Hrutika Pakhale (D8)

## V. Kuch Creative Corona 2.0

During the Pandemic outbreak of Covid-19, ISA-VESIT organised a fun competition 'Kuch Creative Corona' where the participants submitted their sketches, paintings, digital artworks and edited photographs in huge numbers. All the submissions were exceptionally beautiful which made it a very tough decision to select a few among them. The best artwork and photographs were featured in Envisage'21, which is the annual magazine of ISA-VESIT.

## VI. EluciMate 2.0 (17th August to 22nd September 2021.)

This video-making competition was conducted in two rounds. The first round was 'Give a ShoRT' in which participants were given a span of 5 days to create a short video of 60 seconds introducing their technical topic which showcased their creativity and teaching skills. The next round was 'Chase to the Cut', where the participants were supposed to create a video explaining their topic in detail. These videos were also published on YouTube and were judged on the basis of the likes and marks given by the judges, the criteria being innovation, communication, presentation, and knowledge of the topic.



## VII. BE and Beyond

BE and Beyond is a talk series which takes us through the journeys of alpha geeks from around the world wherein they share with us their experiences and expertise in top-tier fields of technology and science. It was launched on ISA-VESIT's YouTube channel on 10th October, 2021. Three episodes of 'BE and Beyond' have been aired till date featuring VESIT's prominent alumni Mr. Mihir Lele, Mr. Dhairya Pujara, and Mr. Navin Sridhar.

# ELECTRIC VEHICLES

**AICTE Training And  
Learning Academy (ATAL)  
Sponsored One Week  
Faculty Development  
Program  
(5th July to 9th July 2021)**

**FDP Co ordinator:  
Dr. (Mrs.) J. M. Nair, Principal**

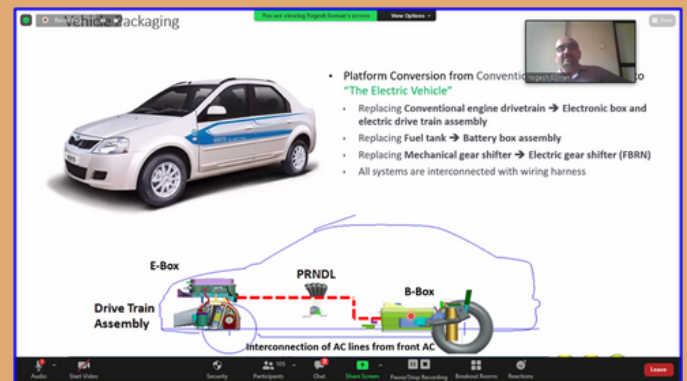
**Organising Committee:  
Mrs. Amudha Senthilkumar**

VESIT Renaissance Cell (In association with the Department of EXTC Engineering, Instrumentation Engineering, VESIT-IIC, and IQAC) of VESIT, Mumbai, Maharashtra has organized , AICTE Training And Learning Academy (ATAL) Sponsored one week FDP

**Number of participants**

**Applied: 200**

**Total number of sessions : 15  
(3 sessions each day)**



## OBJECTIVE

Electric Vehicles have completely different systems & architecture compared to petrol or diesel vehicles. EV is a much more complicated system than ICVs. The key objective of this faculty development program was the dissemination of the technical skills and knowledge in the concerned field among academicians and researchers and thereby reforming our nation to adapt itself to the new era of vehicular transportation by its own developed skills. This training program intended to impart a broad theoretical, practical, and design background in the area of Electrical Vehicles. It investigated the vivid opportunities available in the EV sector, that one needs to have a deeper understanding of the system its opportunities, challenges and benefits, industrial perspectives, issues and trends in EV Protection schemes, Electric Vehicle Charging infrastructures and Magnetics Design etc.

# SPEAKERS WITH THEIR SESSIONS

## Session 1:

**Topic: Introduction to electric vehicles.**

Speaker: Mr. Rakesh Tyagi, Customer Service Manager, AVL India Private Limited.



## Session 2:

**Topic: Trends & Opportunities for EV's in emerging markets, especially last-mile transportation.**

Speaker: Mr. Christie Fernandez, Founder & CEO, Soorya EV Pte Ltd.



## Session 3:

**Topic: Development of charging protocols, different types of chargers available, and types of EV supported by different chargers.**

Speaker: Mr. Prasad Gangurde, Head - Technical Sales, Magenta Power



## Session 4:

**Topic: Motor Concept Design using JMAG FEA Tool.**

Speaker: Mr. Sadeep Sasidharan, Sr Application Engineer in PWSIM Engineering Solutions



## Session 5:

**Topic: Testing of battery, E-motor, and inverters,**

Speaker: Mr. Rakesh Tyagi, Customer Manager, AVL India Private Limited.



## Session 6:

**Topic: Modelling and simulation of Electric vehicles using Matlab/Simulink.**

Speaker: Dr. M. Siva Kumar, Engineer at SCSVMV University



## Session 7:

**Topic: Electric Vehicle Topology and Vehicle Modelling.**

Speaker: Mr. Prasanth Pathiyil, Technical Expert, Electric Vehicles, Bosch



**Session 8:**

**Topic: DC Fast Charging Strategies for Electrified Transportation and Autonomous E-mobility.**



**Session 9:**

**Topic: Smart Health-Conscious Battery Management Systems for Transportation Electrification and Autonomous E-mobility.**

Speaker: Dr. Sheldon Williamson, Professor in University of Ontario Institute of Technology Oshawa, ON, Canada.

**Session 10:**

**Topic: Energy management and measurement aspects of EV.**

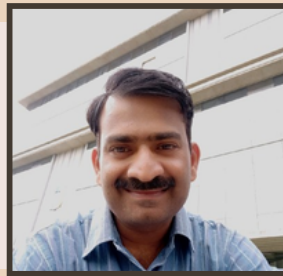
Speaker: Mr. Vipinkumar Pawar, Co-Ordinator, ISRO-IIRS Outreach Program, ISRO, Dehradun, India



**Session 11:**

**Topic: Qualitative Analysis of batteries for EV applications.**

Speaker: Mr. Gajanan Kulkarni, KPIT technologies LTD, SME Electrical Systems



**Session 12:**

**Topic: EMI / EMC aspects related to Electrical Vehicles.**

Speaker: Dr. Shreenivas Jog, Professor (E&TC) at Dr. D. Y. Patil Institute of Tech. Pimpri, Pune



**Session 13:**

**Stress Management/ Yoga / Meditation.**

Speaker: Mrs. Pallavi Pawar, Certified Yoga Trainer



**Session 14:**

**Topic: Converting an ICE vehicle to an EV- A manufacturer's perspective- A case study**

Speaker: Mr. Yogesh Soman, Program Management Professional, Mahindra & Mahindra.



## ASSESSMENT AND VALEDICTORY FUNCTION

*The 5 Day ATAL sponsored FDP was concluded on 9th July 2021 with a Valedictory function. The function started in the presence of dignitaries and participants. Ms. Sukanaya Roychoudhury invited various participants to share their views on the 5 Day FDP.*

*Participants responded to it very enthusiastically Dr. Mrunal Deshpande, Dr. Paresh Shah, Dr. Ankush Gund, Dr. Bala Murgun, Mr. Karthik Sunder, Dr. Jotiram Deshmukh, Mr. Kanchan Attarde, Dr. K. Manjunath, and many more addressed the gathering with positive feedback for FDP. Gratitude was expressed towards the experts from industry and academia who contributed with their experiences, and demonstrations during the FDP with the contents aligned with the objectives of the FDP by the participants.*

*The FDP received excellent feedback from the participants during the valedictory function.*

*Dr. P .P. Vaidya, Head, Instrumentation Dept VESIT addressed the participants with a concluding speech for FDP, the importance of Electric Vehicles, and Summarized about all the sessions.*

## OUTCOME

- 1. Understand the fundamentals of electric Vehicles systems.**
- 2. Simulate Electric Vehicles using MATLAB/ Simulink**
- 3. EMI / EMC aspects related to Electrical Vehicles**
- 4. Analyze different types of chargers available and types of EV supported by different chargers.**
- 5. Interpret the different methods of battery chargers used in electric vehicles.**
- 6. Energy management and measurement aspects of EV.**

# V-Reach

INST Department is proud of its robust alumni base which has grown immensely and reached global heights. It wholeheartedly acknowledges their role as stakeholders in leveraging the VESIT brand, to foster this relationship further VESIT-Internal Quality Assurance Cell (IQAC) in association with Institution's Innovation Council (IIC), has unlocked the teaching-learning process, especially during these unprecedented times of COVID-19, through, **VESIT's Alumni Engagement Initiative: "V-REACH"**

Four alumni from the Instrumentation Department communicated with the students of second year, third year and final year and guided them for the future through V-Reach sessions.



**VIVEKANAND EDUCATION SOCIETY'S  
INSTITUTE OF TECHNOLOGY**  
Hashu Advani Memorial Complex, Collector's Colony,  
Chembur (E), Mumbai - 400074, INDIA

**V-REACH '21**  
An Alumni Engagement Initiative

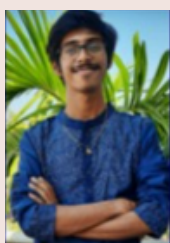
**14 Webinars | 21 Speakers**

Under the guidance of Internal Quality Assurance Cell (IQAC)

**Webinar Series by Alumni**  
02 August - 26 August '21

Guidance on Preparing for Better Placements  
Higher Studies and Career Guidance  
Research and Innovations  
Entrepreneurship Development  
New Trends in Technology

<http://vesitreach.ves.ac.in/>  Live on YouTube



Gaurav Govilkar  
&  
Rahul Patil  
(TE INST-2023)  
Moderators



## 1. Digitization in Refineries (3rd August, 2021)

Mr. Vikram Gupta (INST 2008) currently working as the Manager central procurement organization, Mumbai displayed us the importance of digitization in refineries. The speaker explained about IIot, AI, BI, AR and BR.



## 2. Various Opportunities for engineers in PSU/Govt. Sector (11th August, 2021)

Mr. Arca Mitra (INST 2009) currently working as the Senior manager (I & C design), Nuclear Power Corporation of India Limited .The speaker mentioned the importance of PSU/Government sector jobs for engineering students and shared advantages of these jobs as well.

## 3. Technical and Soft skills required for engineering students (12th August, 2021)

Ms. Mrugakshi Bole (INST-2014) currently working as Sr.Instrumentation Engineer Black & Veatech Pvt.Ltd . The speaker explained the basic importance of both skills which included the clear distinction between technical skills and soft skills like technical skills which included academics, commercial awareness, project management, strategic planning, risk management, cloud computing, and more.



## 4. Industrial Automation for Process Industry (23rd August, 2021)

Mr. Rahul Ghogle (INST- 2011) Process Automation Division Business Development professional for DCS, Siemens Ltd. Mr. Rahul started the session by sharing the benefits and advantages of Distributed Control System (DCS) in industrial automation and the importance of synchronization between each component of DCS.

# Alumni Speaks

When I first entered VESIT, I was little anxious about my future. Over the four years, so many doors were opened for our personal and academic development that I became confident. The college aims at enhancing our knowledge, skills and abilities. It, in fact, didn't leave the attitude part behind as well. These years at VESIT were the best years concerning learning, experience and gaining exposure to fields relevant to my discipline, all due to my faculty members. In fact, we have our own I&C process lab where we could practically observe the concepts we learn. Other than academics our college has excellent councils for sports and cultural activities which helps in overall development of a student. We were the first batch that passed out in the times of covid. But even during that tough situation we received the support we wished for from our great teachers. At last, thanks to the college and Training & Placement Department for their efforts in getting me placed in core I&C company that I dreamed for. This endeavor will lead our college to incredible heights.

I'm grateful for all the opportunities I had in VESIT and want to thank all the supportive teaching staff. Thank you!

**Ms. Mansi Adamanke**

**BE 2020**

**Instrumentation and Controls  
Engineer, Burns and McDonnell.**

Studying Instrumentation at VESIT was definitely one of the best decisions I ever made. Apart from having the best faculty for this course at VESIT, a wide range of multinational core companies visit the campus for placements which provides varied opportunities to students for pursuing their career in the most demanding fields of Oil&Gas, petrochemicals and renewables sector.

**Ms. Mansi Deshpande**

**BE 2019**

## Editorial team



**Mrs. Mugdha  
Jogalekar**



**Ms. Tanaya  
Gaikar**



**Ms. Jagruti  
Dhamal**



**Ms. Srushti  
Gharat**



**Ms. Shikha  
Negi**



**Mr. Akash  
Koyalkar**

# Thank You