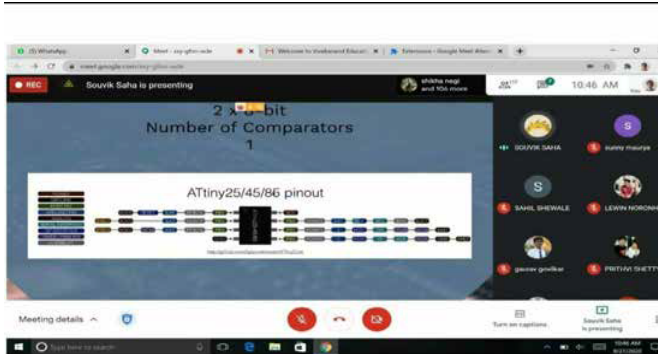


# ISA-VESIT Annual Report 2020-21

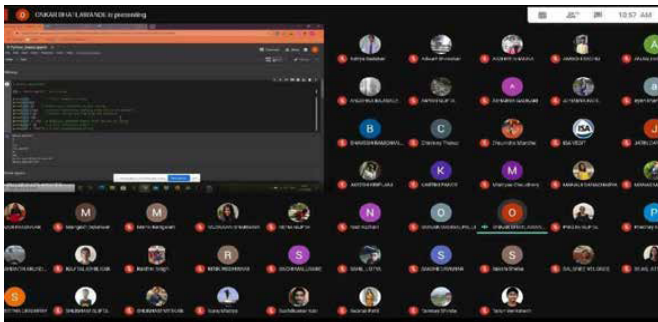
## WORKSHOPS

### 1. Microcontroller Board Development Workshop



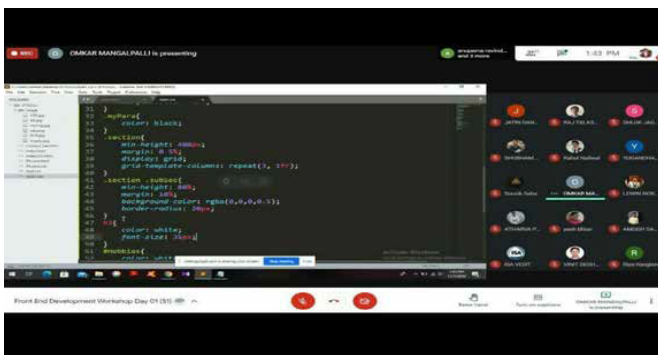
Throughout this workshop the topics covered in this session enriched the theoretical and technical acumen of the participants regarding ATtiny85, Eagle CAD and GIT software. Participants were also taught about creating a schematic from scratch and were briefed about the basics.

### 2. Web Automation Workshop



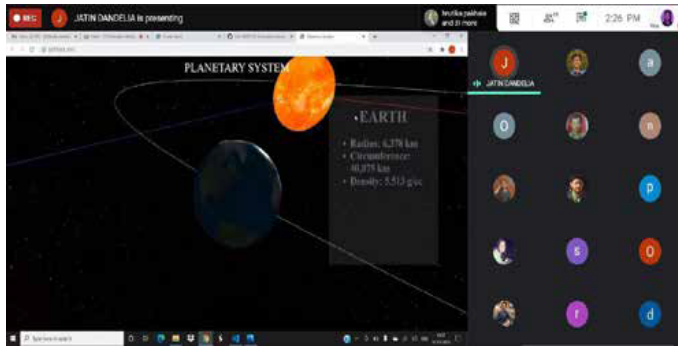
It was a great workshop where the participants were introduced to Selenium and its various applications. The workshop also included the creations of a Whatsapp bot and how to automate the Google meet Sign-in process.

### 3. FrontEnd Development Workshop



ISA-VESIT conducted its two day online Front End Development Workshop which included basics of HTML, CSS and JavaScript. All the necessary and required concepts of creating a website were elucidated.

#### 4. 3D Animation using Three.JS



With the onset of an even semester, ISA-VESIT geared up with enthusiasm, conducted its first workshop on the need-of-the-hour and the future-of-the-internet, 3D Animation using Three.js. The workshop whipped up all attendees to set foot into the field of three dimensional animation using Three.js.

#### 5. Financial Independence Workshop



ISA-VESIT organised a Finance Workshop exclusively for the TE's and BE's with a vision to help members polish their proficiency in the ever-blooming domain of financial planning and its various aspects. The students were briefed about equity markets and there several investment strategies were discussed.

#### 6. BE & Beyond



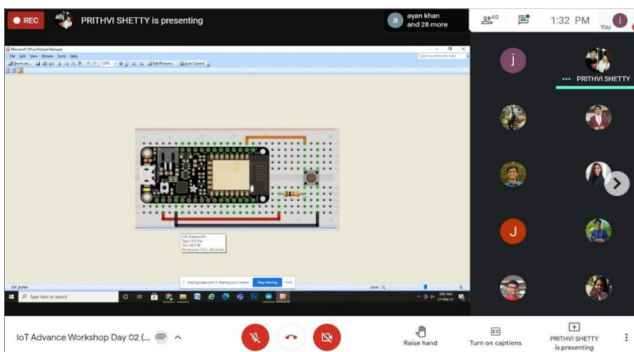
ISA-VESIT conducted a 'BE and Beyond' workshop where a diverse set of speakers shared their strategies and experiences with participants. They provided valuable insights on competitive exams like GRE, TOEFL, IELTS, CAT GATE and latest trends in world of MBA while attendees were made privy to placement rules.

## 7. IoT Workshop Mains



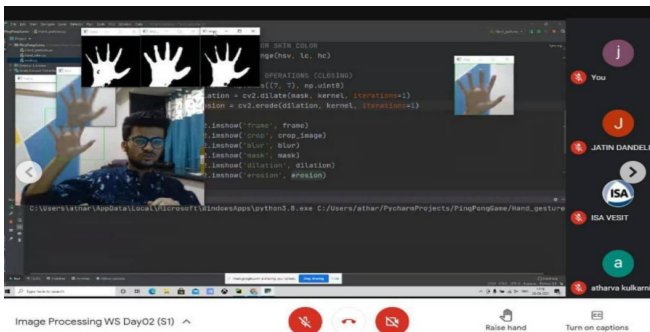
ISA-VESIT launched its IoT kit initiative and delivered the hardware components to its members at their doorsteps. This helped the members to get started with working on their hardware projects using various IoT components like NodeMCU boards, MPU sensor, LDR, etc. It also brought in a plethora of opportunities for the participants.

## 8. IoT Workshop Advanced



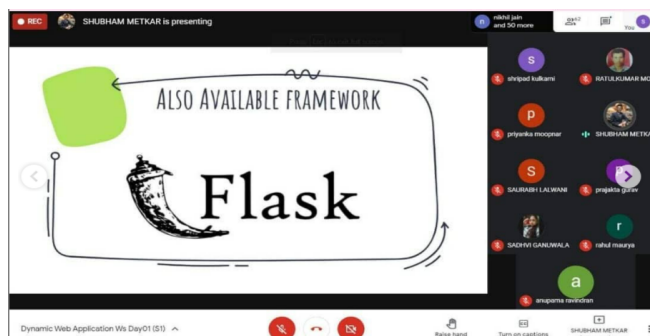
ISA-VESIT conducted “IoT Workshop - Advanced” which focused on amalgamating various IoT components and online IoT services. Various projects using sensors like PIR Sensor, Ultrasonic Sensor and DHT11 module were covered. The output of the sensors were linked with the web based applications.

## 9. Image Processing Workshop



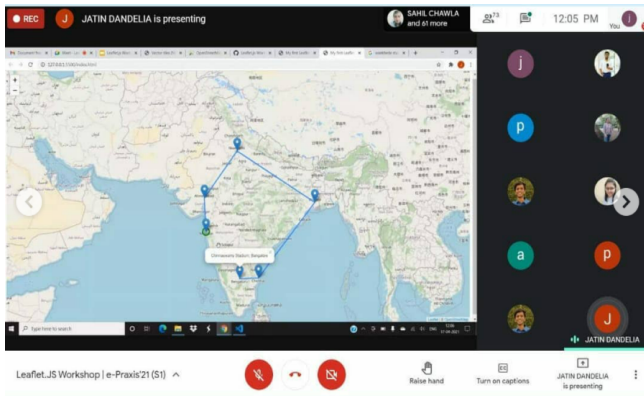
The workshop covered the basics of Image Processing technology as well as some real hands-on projects. The participants were provided insights on using the image processing libraries like Open-CV and Matplotlib in Python and also developing a ping pong ball game

## 10. Dynamic Web Application Workshop



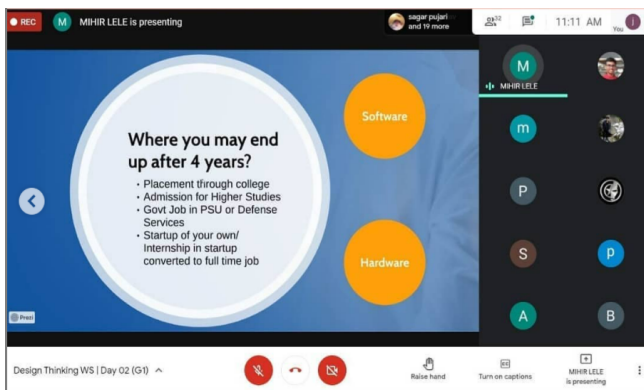
The workshop began with a brief introduction of Web Development. The participants were then introduced to the backend working of a webpage and were acquainted with Django by explaining its benefits. The sessions covered building of an interesting project, a web page which displayed the logos of all the IPL teams.

## 11. Leaflet.JS Workshop



ISA-VESIT conducted a workshop on Leaflet.js during e-Praxis' 21. The participants were introduced to Leaflet.js, fundamentals and various layers in the maps. The outcomes of the session were understanding of JavaScript and features of Leaflet.js. Participants also developed a game, 'Guess the place'.

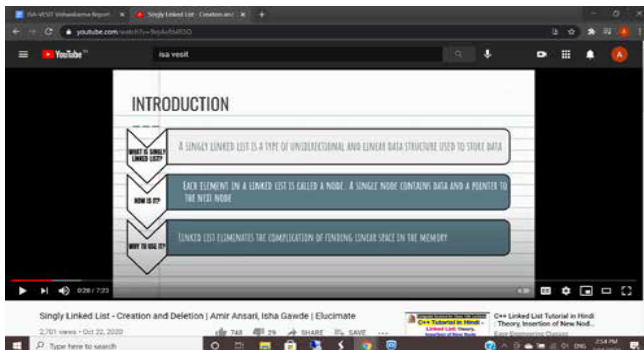
## 10. Design Thinking in Engineering



ISA-VESIT organised the workshop conducted by our distinguished alumnus Mr. Mihir Lele. The participants were exemplified about the concept by use of case studies of various companies. At the end of the session, some problem statements were handed over so as to work and implement the knowledge they learnt.

## EVENTS

### 1. Elucidate



ISA-VESIT successfully conducted a video-making competition wherein the participants were asked to create short video on any topic related to engineering curriculum. All the videos were uploaded on our ISA-VESIT's YouTube channel.

## 2. Article Writing



ISA-VESIT Presents  
**Article Writing Competition**

- The article should be based upon any technical topic that fancies your interest.
- The best article sent to us would be printed in ISA-VESIT's annual magazine, ENVISAGE'21.
- Article should be in docx format only.
- Top two articles would be awarded with CASH PRIZE.

1<sup>st</sup> Prize  
Rs. 1000/-

2<sup>nd</sup> Prize  
Rs. 700/-

Send us your entries before  
31st March 2021

For Further Details Contact  
Sahil Shewale(Jr. PRO) +91 9894067457  
Manali Ganachary(Jr. PRO) +91 9869763693

ISA-VESIT conducted an Article Writing competition 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. The best articles were later published in our annual magazine Envisage '20 and the top three articles were given certificates of merit.

## 3. Filter it Out



Organised By VRC in association with VESIT IIC and IQAC  
ISA-VESIT PRESENTS  
**FILTER IT OUT**

Date : 22nd April, 2021  
Time : 12:30 PM - 01:30 PM  
Venue : Google Meet  
OPEN FOR ALL

Through the workshop the students were introduced to Spark AR Studio. The participants were taught how to design customized filters to use on various social media platforms. They demonstrated the use of face tracker, face mesh and basic operations on rotation and scaling to make filters aesthetically appealing.

## 4. Hardware Auction



Organised by VRC in association with VESIT IIC and IQAC  
ISA-VESIT PRESENTS  
**HARDWARE AUCTION**

**BID. BARGAIN. BUILD.**

**SOLD THU, APRIL 22**  
1.30PM - 3.30PM  
OPEN FOR ALL

ISA-VESIT conducted its multifaceted event, 'Hardware Auction'. The participants engaged in three distinct rounds, viz. Bidding, Bargaining and Building rounds through the course of the event. A competitive spirit and fierce attitude to win the contest made this event a great success.

## 5. Kuch Creative Corona 2.0



During the Pandemic outbreak of Covid-19, ISA-VESIT Organised a fun competition 'Kuch Creative Corona'. This competition was held online wherein the members were told to submit their artwork. The participants submitted their sketches, paintings, digital artwork and edited photographs. We received a great response from the participants. Many amazing artworks were submitted. The best artwork and photographs were featured in Envisage 20, the annual magazine of ISA-VESIT.

## INITIATIVES

### 1. IoT Kit



This pandemic forced us to stay indoors and use simulation softwares to implement projects. Simulators give you virtual output but not the actual results. So, ISA-VESIT came up with the initiative to deliver a hardware IoT kit at the doorstep for our members. IoT being a need-of-the-hour topic has wide ranged applications in our projects. So, through this initiative our members got hands-on experience of the hardware projects in our workshops. The kits were already tested and delivered while taking all the necessary precautions.

### 2. Innsaei App



ISA-VESIT launched its official app "InnsÆi" on 6th May, 2020. InnsÆi app allows you to access ISAVESITs Digital Library, which comprises E-books and MU question papers. You can issue various components from its Hardware Inventory. You can send your 3-D designs using the 3-D Portal directly from our App, and also register for upcoming events. Moreover, you'll get a chance to interact with notable Alumni of ISA-VESIT through our Alumni Portal! In short, we've curated all the facilities that ISA-VESIT has to offer, and put them together in our App!

### 3. Website



After a lot of efforts ISA-VESIT launched its own official website on 23rd January 2021. From this WEBSITE you can access: Information of all Events/Workshops happening in ISA-VESIT, 3D Printing Portal, Editorials, Digital Library, Hardware Inventory and many more. It's aesthetically appealing and one can access any information of the council.

Website Link: <https://isavesit.org.in>

### 4. Envisage



ENVISAGE is a magazine that provides you an insight into futuristic avenues of technology along with a spur of creative elements!!!

Boasting a plethora of segments ENVISAGE includes:

- Article Writing Competition
- Kuch Creative Corona
- Covid Hub

Magazine Link : <http://bit.ly/Envisage2021>