



# Annual Report

2020-21

**DEPARTMENT OF  
MECHANICAL ENGINEERING  
VIIT, PUNE**



# MECHANICAL ENGINEERING STUDENTS' ASSOCIATION

## Annual Report 2020-21

Mr. Kartik Kulkarni  
President,  
MESA,  
VIIT, Pune.

M/s. Priya Murkewar  
Ladies Representative,  
MESA,  
VIIT, Pune

Prof. A. V. Salve  
Faculty In-charge,  
MESA,  
VIIT, Pune.

Dr. D. N. Kamble  
Head of the Department,  
Mechanical Engineering,  
VIIT, Pune.

# MESA VIIT

Mechanical Engineering Student Association (MESA) VIIT was formed in 2008, with the vision of providing platform to budding Mechanical Engineers to showcase their technical skills, enhance managerial skills and establish a sense of unity.

With every activity MESA achieves its vision and sets a mark for the next activity. Prof A. V. Salve is the faculty in-charge of the MESA Organization is regularly guided by Prof. Dr. D. N. Kamble (H.O.D-Mech Dept.) Prof A. P. Kulkarni, Prof P. R. Anerao,

Mr. Kartik Kale (B. Tech) worked as the president and M/s. Priya Murkewar worked as the Ladies Representative of MESA 2020-21.

In the past year, MESA organized various seminars, guest lectures, workshops and provided stage for students to interact with the industry experts.

A new wing of MESA, Website Development was established this year with the aim of encouraging mechanical students to involved in MESA activities.

With all other the activities MESA also provides funding to students for various programs, which includes publishing paper in conference, providing books for competitive exams, building SUPRA-BAJA cars etc.

MESA hoisted its Annual Technical Fest in August 2021. MECHKSHETRA-21. Under Mechkshetra, MESA hoisted a series of workshops on Mechanical Engineering. Graphic Designing, Python Programming, Manufacturing and CAD Modelling. All the workshops received an overwhelming response across country. More than 110 groups of students participated in the series of workshops. MESA organized the event MECHMERIZE-20 which included small events like Bid-wars, Logographica, Cadliber, Thinksters, VissionXpress, Assembly Line, Tech Hunt, Debate and also two workshops namely Mechgramming and Video Editing Workshop. MESA had organized various workshops in this academic year was one of the busiest club even during the pandemic situation giving students a break from the hectic situations.

With the new set bar MESA team is set to give a bigger platform to all the mechanical engineering students next year.

## **MESA General Report AY 2020-21**

The Mechanical Engineering Students Association is among the most active student bodies in the institute. Every Mechanical Engineering student beginning with the second year in the program at VIIT is a member of MESA. Mentored by experienced faculty members of the Mechanical Engineering department, students take upon many initiatives that prepare them to face the challenges of the future. MESA takes an active role in organizing both technical and non-technical events and different workshops which are helpful for students.

From 9th August to 22nd April, the academic year of 2020-21 was one of the most busy and challenging years for team MESA due to pandemic situation, but under leadership of Kartik Kulkarni and team, MESA successfully organized all activities as per plan. Right from online workshops, guest lectures to TSDP and other technical programs MESA organized 12 events in which 300 students actively participated.

In academic year 2020-21 we organized 4 major events and some technical workshops

- Adobe Illustrator Workshop
- Teachers Day Celebration
- Engineers Day Celebration
- Mechmerize 2020
- Arduino workshop
- CATIA workshop
- G-suite workshop
- Video editing workshop
- A workshop on writing a research paper.
- Webinar; How to select Meaningful Engineering Projects

Date	Activity	Attendees
9 Aug 2020	SY orientation	120
30 Aug 2020	Adobe Illustrator Workshop	40
5 Sep 2020	Teachers' Day	130
15 Sep 2020	Engineer's Day Talk by Industry Expert	81
20 Sep 2020	Arduino workshop	75
27 Sep 2020	Google Suite session	54
7 Nov 2020	Mechmerize Event/ TSDP 1. Workshop on C & C++ 2. THINKSTER 3. Assembly Line 4. Vision Express 5. CADLIBER 6. Debate Competition	150
8 Nov 2020	Mechmerize Event/ TSDP 1. Workshop on video editing 2. Tech Hunt 3. Logographica 4. Vishwakarma Premier League (VPL)	150
27 Dec 2020	B. Tech Farewell 2021	130
21 Feb 2020	Paper Presentation Event	45
22 April 2021	Webinar; How to select Meaningful Engineering Projects	57

**Name of the Event:** Instruction to Illustrator

**Date of Event:** Aug. 30, 2020.

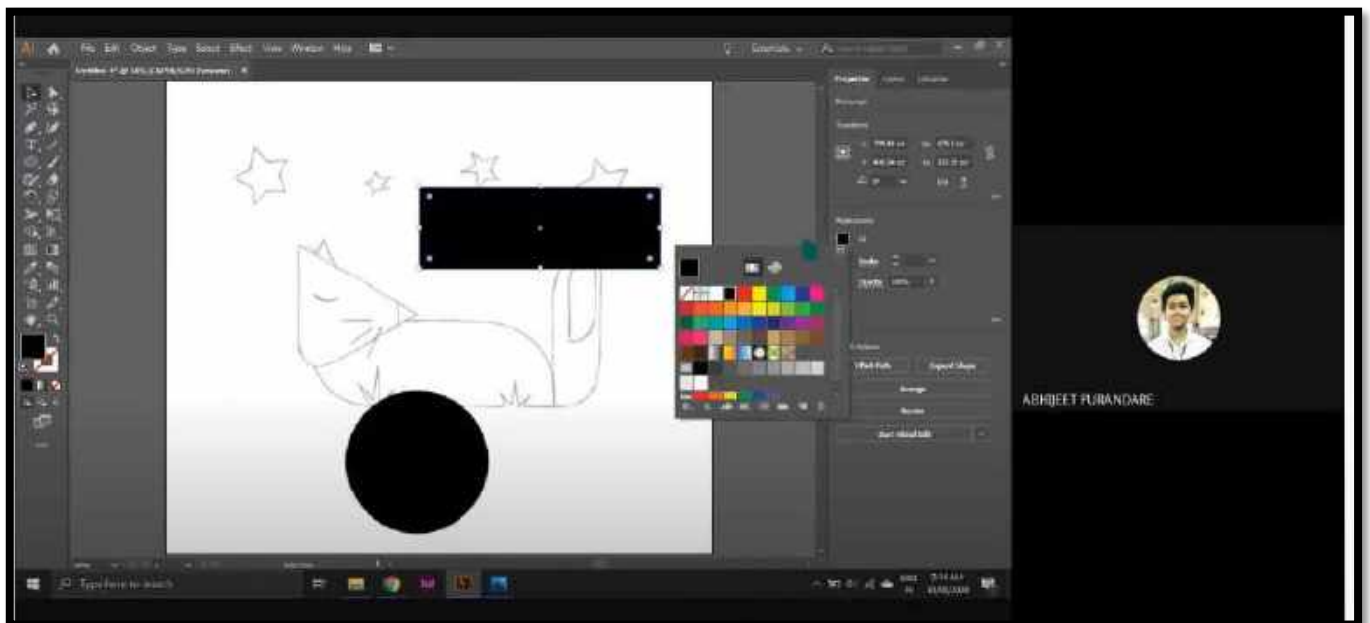
**Conductor:** - Abhijeet Purandare

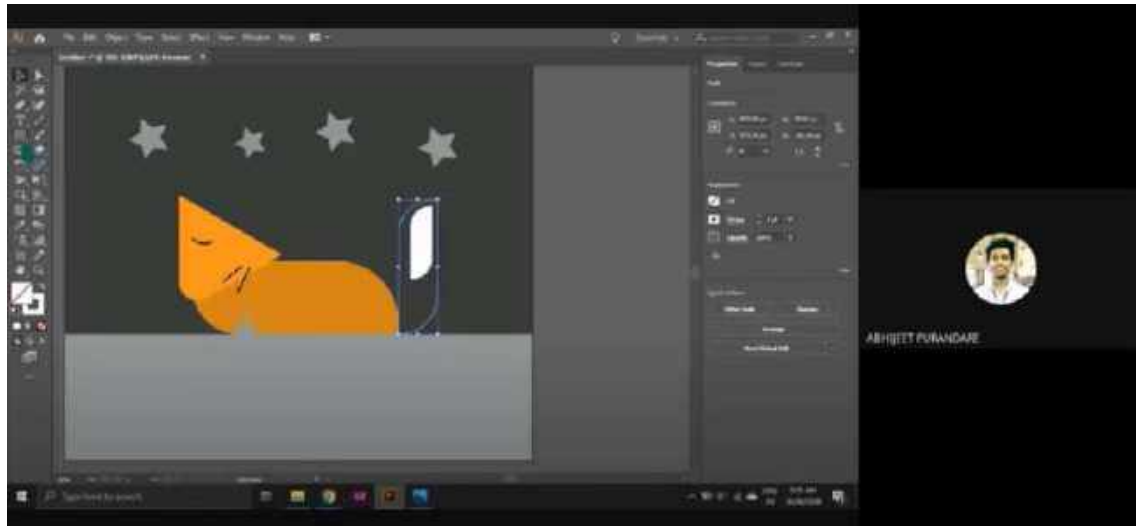
**Number of Attendees:** - 40

On Aug. 30th 2020, Mechanical Engineering Students' Association [MESA] organised a webinar on the basics of Adobe Illustrator. The webinar was conducted by Abhijeet Purandare [ Design Head: MESA]

The webinar started with a basic question 'What is Illustrator?' by Abhijeet. He elaborated about Adobe Illustrator to the attendees. He then moved towards understanding the basics of the software like its functions and various features available in it. Later on, he explained how to use various shapes, components and colours available in the illustrator. Then the meeting forwarded toward 'RGB VS CMYK'. Abhijeet explained both of them and gave information about them.

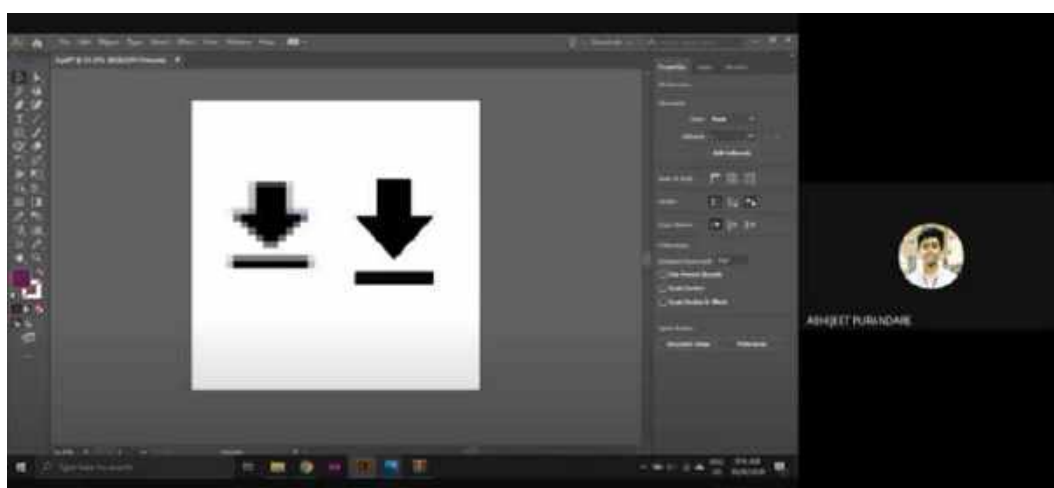
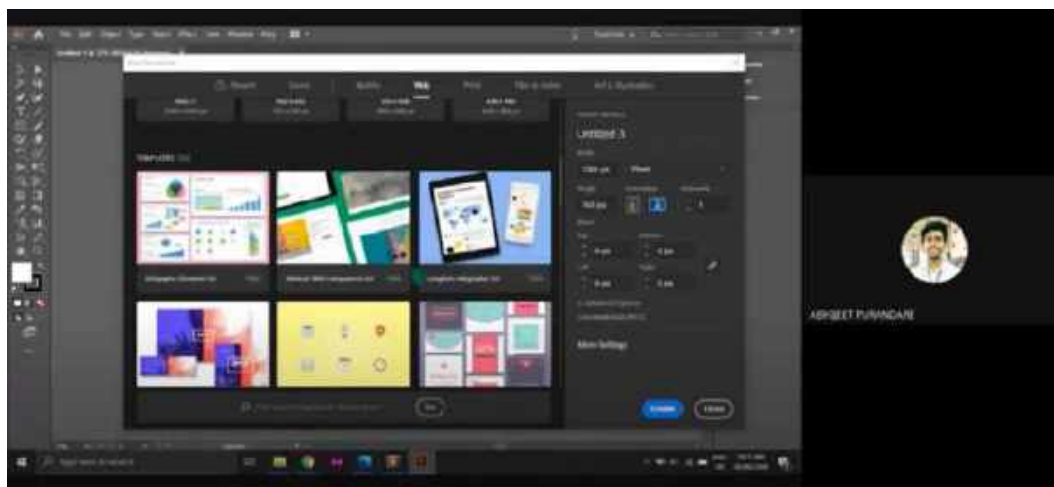
Following this, he explained about a very important and useful concept of IMAGES. He guided me about how can the user add/place/drag an image. Then he explained what it means to Vectorise and Rasterise an image and how to do it.





The webinar then moved towards using Google material. Abhijeet gave information about them and also about adding icons. Now the session moved towards adding finishing touches to our work. He told about how we can give a final touch and a sense of completeness to our work by adding borders and adjusting transparency. He also talked about artboards. And finally, when our work is ready, how to export our work file in different formats. And thus, after this the webinar was concluded.

The session was really helpful and of great use for the attendees.



**Name of the Event:** Teacher's Day celebration 2020.

**Date of Event:** Sept. 5, 2020.

**Medium:** online through Google meet.

**Number of Attendees:** 130.

**Theme:** Old school vs New school.

Teachers Day is one of the days where all the students have an opportunity to thank their teachers for all the effort's that are put in by them to mould our future and we the Mechanical Engineering Students Association (MESA) did the same thing by arranging the event on Sept. 5<sup>th</sup>. All the teachers joined the event enthusiastically. This event was also open to all the students of Mechanical Engineering department. During this event, fun activities were conducted.



Event started with one of our third-year student, Aditya's speech who explained the importance of the day also how teachers play a very important role in each and everyone's life and give a right direction to our lives, he shared his views on the same. Lastly, he concluded his introductory speech with a question answer session in which a lot of professors shared their answers and enjoyed the moment.

After that the event was carried forward by a second-year student named, Rohan he shared his thoughts and took the chance to thank all the teachers for always taking a stand when someone is going off the track, motivating everyone and also appreciated teacher's efforts.

After that the event was carried forward by Sakshi, a third-year student; she narrated a drama that students had prepared for this event. The theme of the drama was Old School Vs New School, 14 members participated in the drama. This drama showed us the difference between



student's life from past and the present and also what all changes took place in the education system, teaching way and most important, how were the students in past and how are they now, it was a brief scenario of the past and the current situation. Teachers enjoyed this drama as connected with the skit and they remembered some of their memories from their life when they were students.



### *Glimpses of Drama*

After this activity, a third-year student, Nikhil conducted a fun activity named Rapid-Fire round for the teachers in which they were asked various questions. Professors had to answer these questions in only 3-5 seconds. All the teachers participated with great energy and answered the questions. This activity was won by Praveen Rathod sir, he really was very quick while answering the questions.

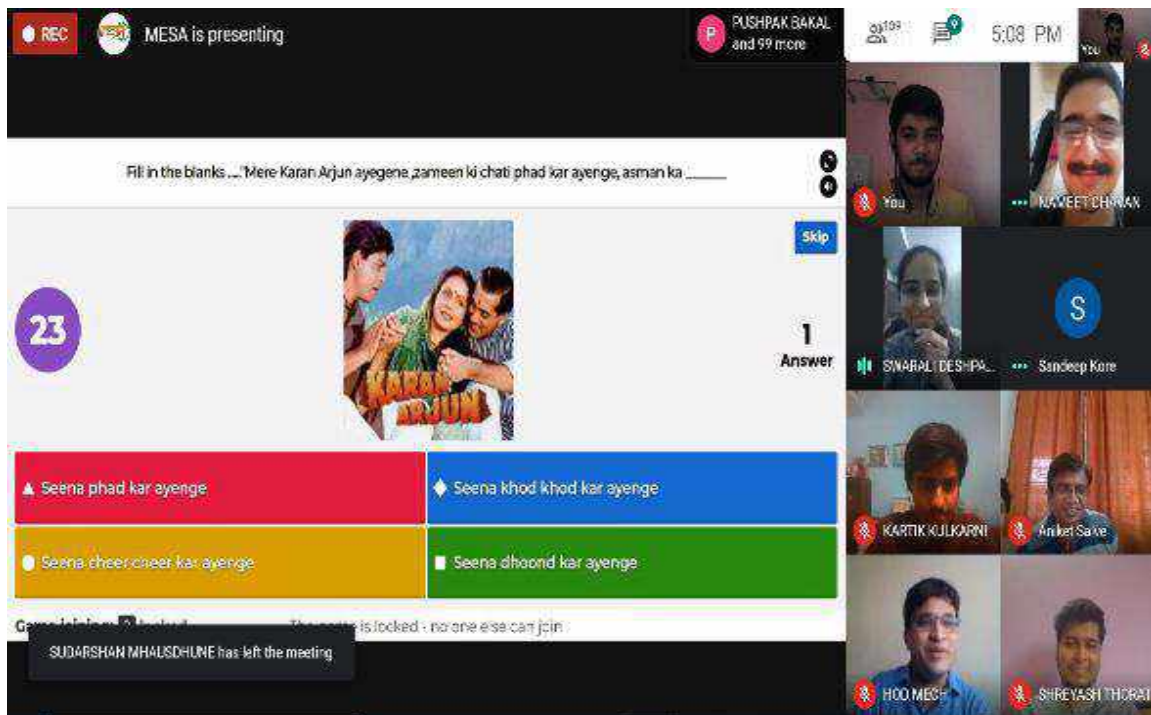


Then, Sakshi carried the event forward with an activity named 'Back to the college life' in which professors were asked some questions about their college experience. They answered these questions remembering their college life. This cherished their memories and took them in flashback.

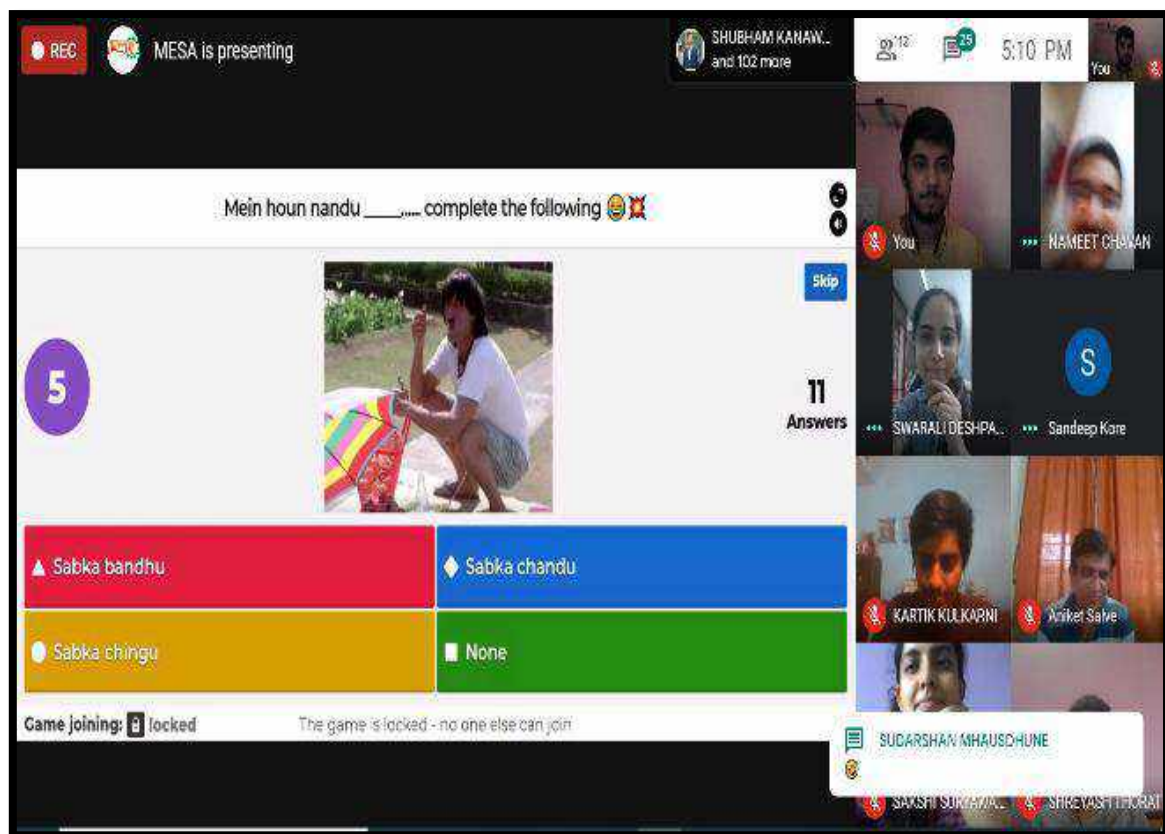
Afterwards, one of our team member Nikita started an activity about poems. Then our students, Mahesh and Nikhil recited their self-composed beautiful poems about teachers in which they tried to thank the teachers and expressed their thoughts through their amazing words put down by themselves. Everyone appreciated them for their passion towards writing such amazing poems and also for continuing to nourish the talent.



After that, a kahoot quiz was conducted by our students, Swarali and Nameet. In which images were shown and all the teachers were given four options from which they had to choose the correct one.



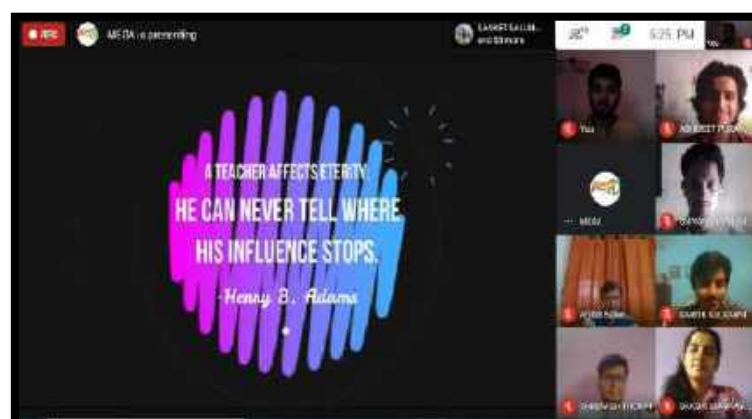




After that the Head of Mechanical Department Dinesh Kamble Sir shared his valuable thoughts on various aspects on teaching profession and what all challenges they face during teaching and most importantly what all changes they all had to make while teaching in online mode and what all new things they have learned to making online teaching effective also what all new technologies they have learned from the students while conducting online classes.

After that a tribute to all the teachers was given through a beautiful video for thanking them for always helping the students making them a good person to survive in world, helping them taking right decisions, molding their future, landing the students in a better place in their lives, and observing the spark in every student and directing them accordingly.

The video was created by the team members Laukik and Samyak.





The event was concluded by giving vote of thanks which was given by Abhijeet. And in this way teachers' day celebrated in the online mode and event came to an end.

**Name of the Event:** - Engineer's Day Talk by Industry Expert 2020

**Date of event:** Sept 15, 2020

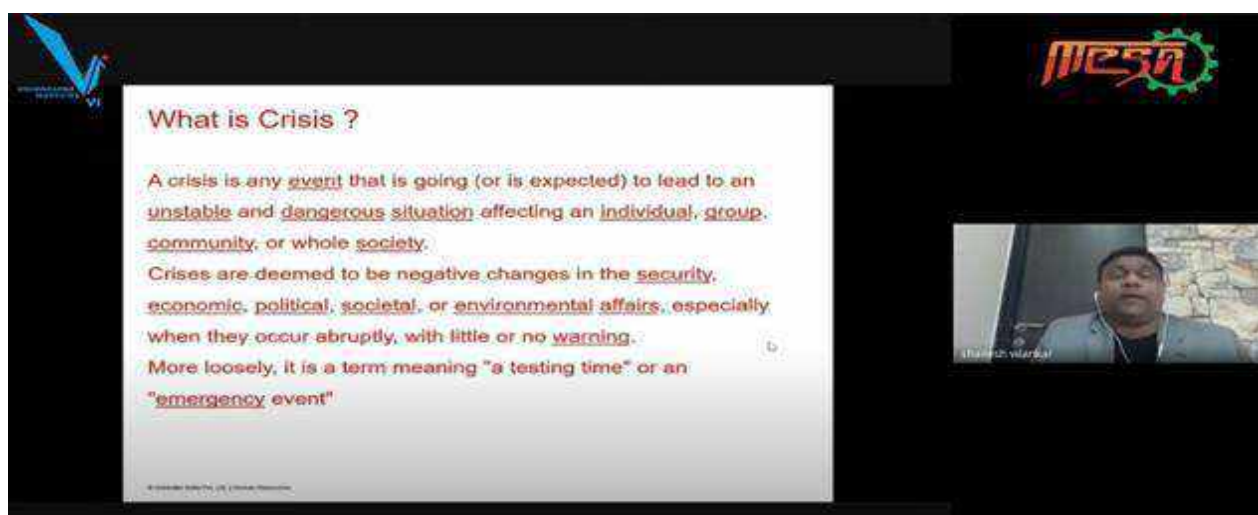
**Time:** 4pm

**Medium:** online through google meet

**Number of Attendees:** 81

**Topic:** How to excel in the industry after the impact of covid 19

On the occasion of engineer's day i.e., on 15<sup>th</sup> Sept. Mechanical Engineering Students Association organised a webinar online through google meet. The guest lecture was on the topic "How to excel in the industry after the impact of covid 19". Team did all the arrangement of event through online meets. Posters prepared by design team were posted on social media handles for publicity. The event was open to all the students all over the college.



The event began at 4 by welcoming the chief guest Mr. Shailesh Vilankar who is Senior Vice President Field Operations Schindler, India. The anchor of the event was Mr. Akshay Joshi. He started the event by introducing himself followed by guest introduction. After introduction the chief guest started the session. Mr. Shailesh sir, started sharing views with the current ongoing situation about Covid crisis, which impacted mostly on the entire construction industry. He went ahead by explaining about crises. He stated that "A crisis is any event that is going (or is expected) to lead to an unstable and dangerous situation affecting an individual, group, community, or whole society.

Crises are deemed to be negative changes in the security, economic, political, societal, or environmental affairs, especially when they occur abruptly, with little or no warning. More loosely, it is a term meaning "a testing time" or an "emergency event". Then he shared how the company came out of the Covid crisis and what actions they took to lead into the crisis area.



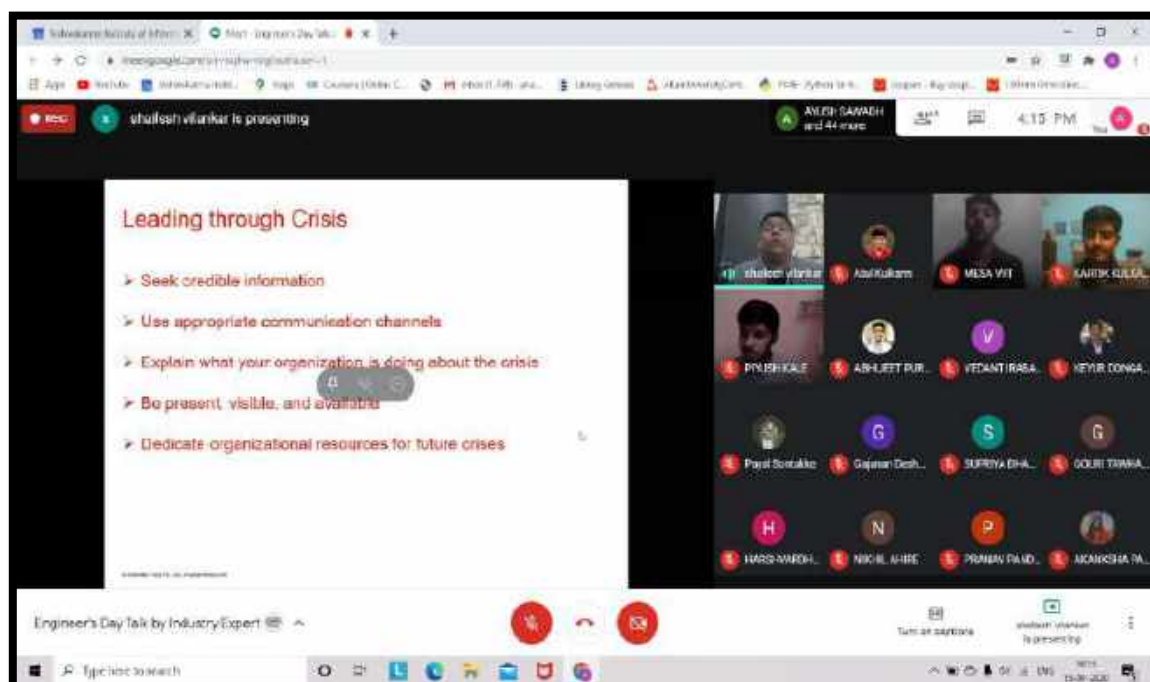
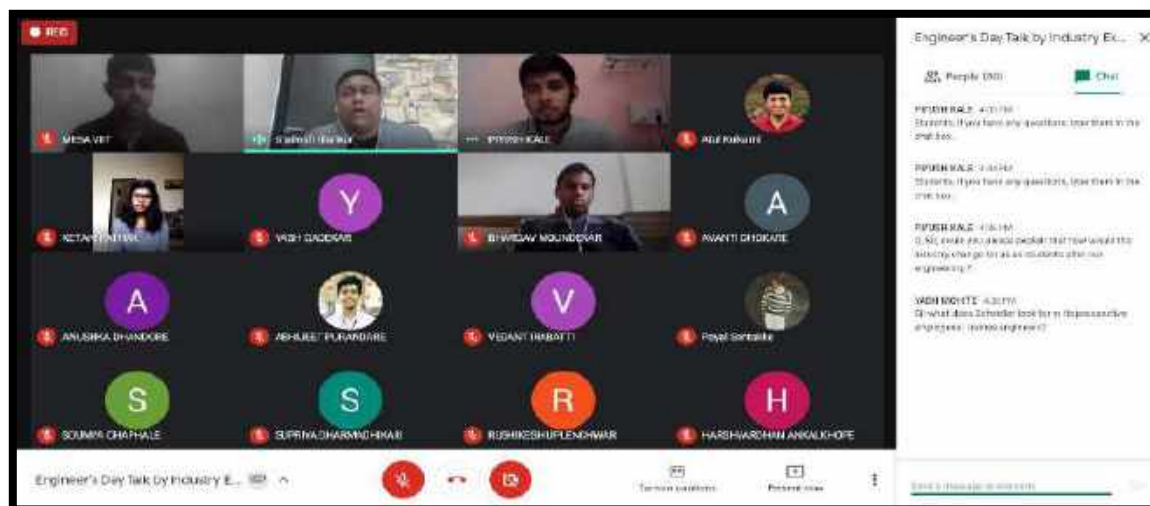
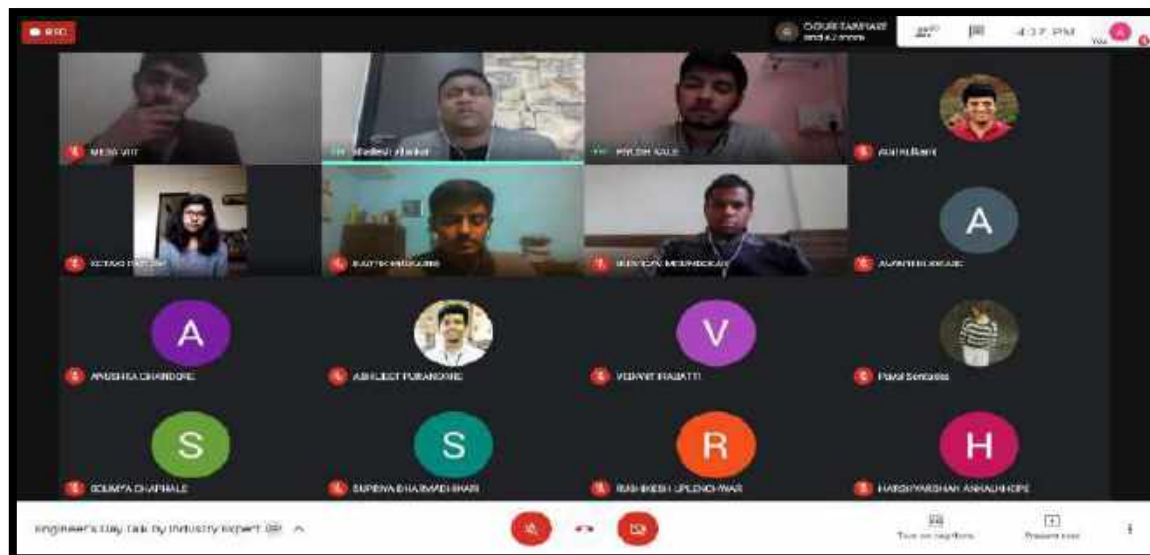
He also stated different ways to stay cool in crisis like, slow down, think today, stay positive, get grounded, take care of your body, prioritize and focus. He took us through the Schindler company, products that they manufacture, projects they had developed in India. He stated that the Schindler Group is a leading global provider of elevators, escalators and related services. He also gave a brief information of Schindler Career Development Program, Schindler Talent Radar, Employees initiatives. Schindler career development program is designed to accelerate young professionals' development and embarks them on a journey across geographies.

He also stated different ways to stay cool in crisis like think about today's situation, focus on the positive side, get grounded, prioritize and focus. He took us through the Schindler company, products that they manufacture, projects they had developed in India. He also gave a brief information of Schindler Career Development Program, Schindler Talent Radar, Employees initiatives.

Then the platform was open for the Q&A sessions where he gave direction for the different questions related to the new challenges for young students during the pandemic in industries. The event was concluded with a vote of thanks given by Akshay Joshi.

**Students feedback:** Students came to know about the current industrial scenario and how to tackle the situation with different case studies.







**Name of the Event:** Workshop on basics of Arduino programming

**Date of Event:** Sept. 20 2020

**Medium:** Online through Google meet.

**Number of Attendees:** 75

**Theme:** Basic programming

On Sept. 20th, Mechanical Engineering Students' Association [MESA] conducted a workshop on basic of Arduino programming. Many students joined this workshop. This workshop was open to all the students of Mechanical Engineering department. Workshop started with one of our senior students Introduction about Arduino. He shared basic information about Arduino.

Workshop was arranged in two parts. In first part Mr. Niranjan Kakde our senior student whose specialities where machine learning, robotics and android development. He started with introduction about Arduino. He shared some basic information about Arduino, microcontroller board, commonly used boards in India like UNO, Nano and Mega. After introduction he stated some technical specification of Atmel ATmega 328p, Pins, Voltage Regulator etc.

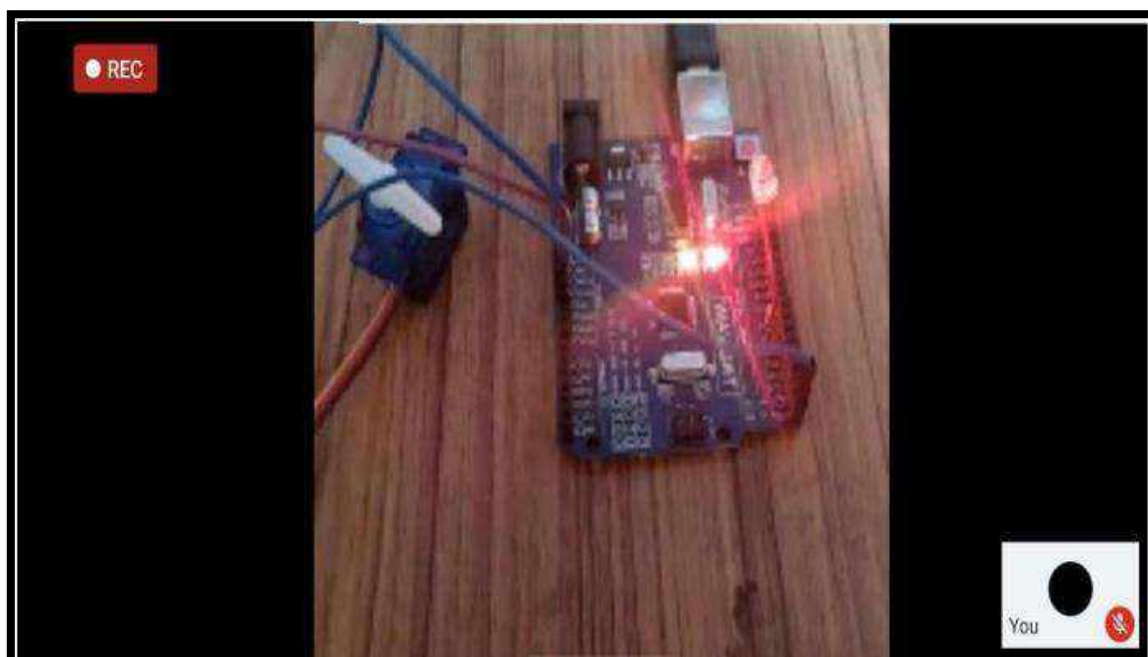
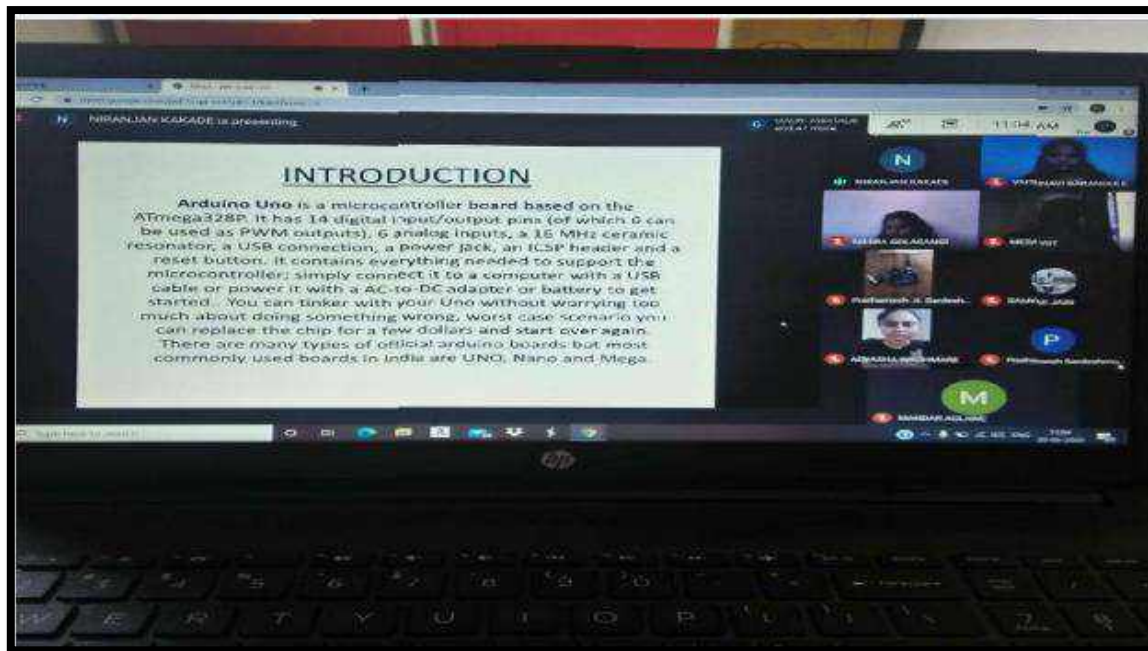
In second part Mr. Prathmesh Sardeshmukh our senior student from instrumentation joined Mr. Niranjan Kakde. He started with Arduino coding. Arduino programs are written in the Arduino Integrated Development Environment (IDE). He also stated that Arduino programming language is based on language called processing, which is similar to the C language. He shared the coding for servo motor used for Arduino.

After coding part, they discussed about applications of Arduino in fields like robotics, automation, IoT, in wireless control (WIFI, Bluetooth etc.), in educational DIY projects. Mr. Niranjan also stated importance of Arduino. He also explained how to do the assembly of different parts. After that question answer session started. Students cleared all their doubts by interacting with seniors. The event was concluded with a vote of thanks given by Mr. Bhargav Moundekar.

In workshop many points were discussed like:

- Application of Arduino
- Arduino coding
- Technical specification
- Assembly

**Students feedback:** Participants appreciated the event as it was a completely new topic for them and overall feedback was good.

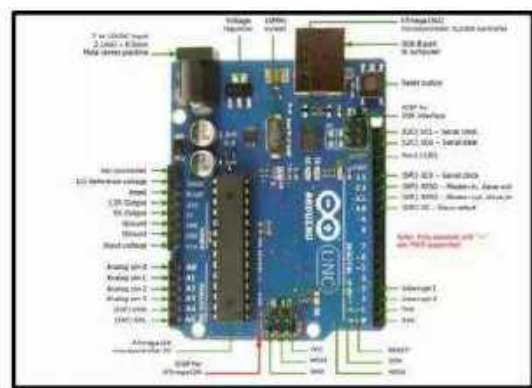


```

// the setup function runs once when you press reset or power the board
void setup() {
  // initialize digital pin LED_BUILTIN as an output.
  pinMode(LED_BUILTIN, OUTPUT);
}

// the loop function runs over and over again forever
void loop() {
  digitalWrite(LED_BUILTIN, HIGH); // turn the LED on (HIGH is the voltage level)
  // wait for 1 second
  digitalWrite(LED_BUILTIN, LOW); // turn the LED off by making the voltage LOW
  // wait for a second
}

```



## APPLICATIONS

- Robotics
- Automation
- IoT
- Wireless control (WiFi, Bluetooth, etc.)
- Educational DIY Projects



**Name of the event:** GOOGLE SUITE SESSION REPORT

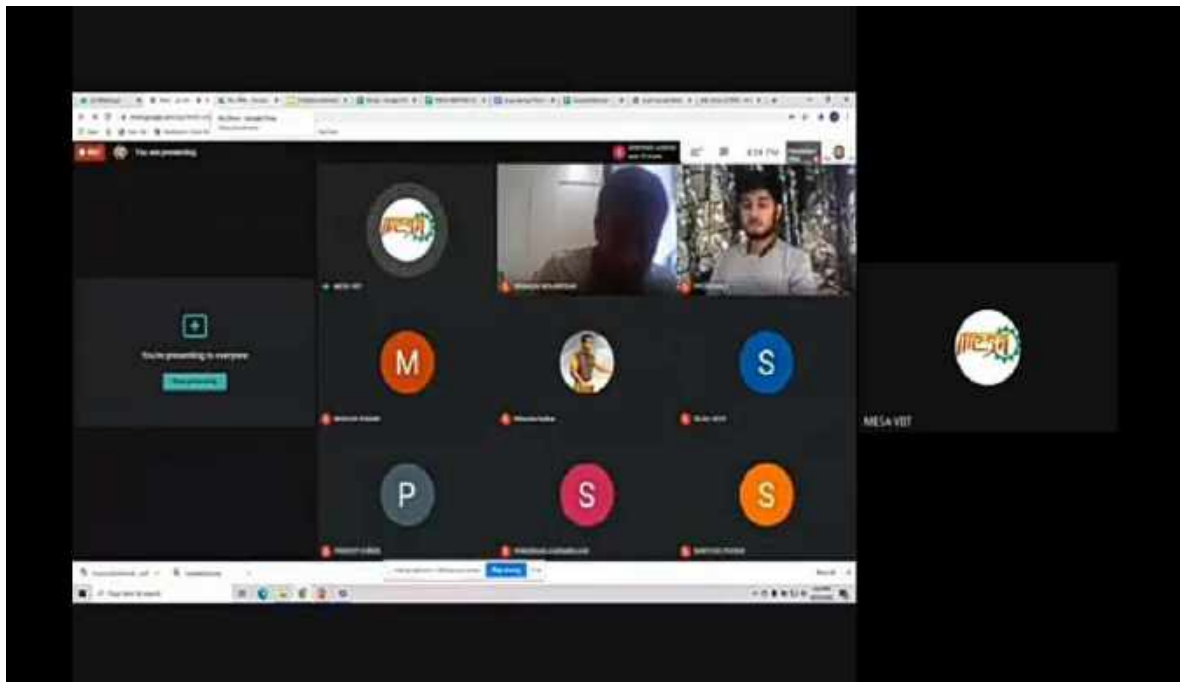
**Date:** Sept. 27, 2020.

**Medium:** Online through Google meet.

**Number of Attendees:**54.

On Sept. 27<sup>th</sup>, Mechanical Engineering Students' Association [MESA] conducted a G-Suite session. G Suite Basic edition is a suite of collaborative productivity apps that offers your business professional email, shared calendars, online document editing and storage, video meetings, and much more. The session covered the applications and basic uses of G-suite . The event was organized for making the use of online mode of learning and taking the fullest advantage of the situation.

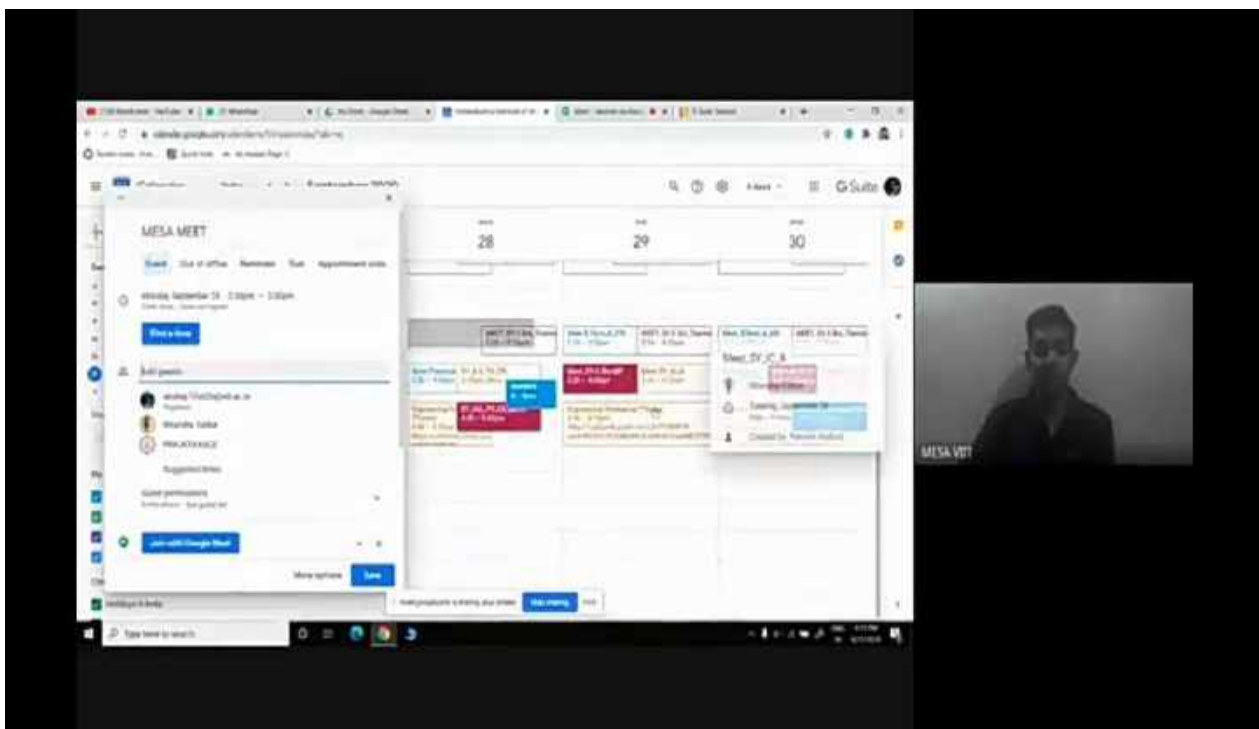
As the online system was new, everyone got some extra knowledge about different tools and its applications of G-suit, which were really very helpful to overcome the pandemic situation.



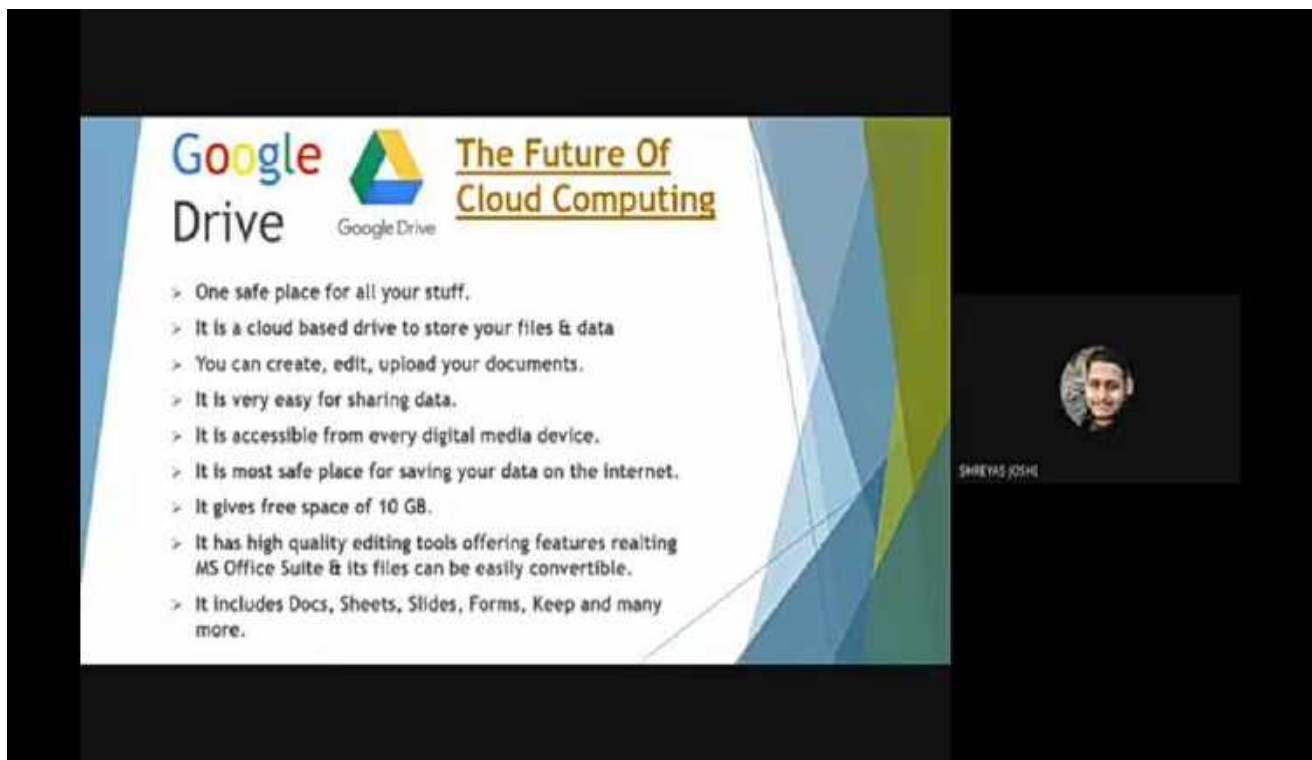
Akshay Joshi started the session by narrating the agenda of the session. He also shared the motive behind conducting the session. The seminar was started by introducing what exactly G-suite is and what are its applications, he also told the advantage of how each one of us can make its use to the fullest.

He listed some of the primary G Suite tools including Gmail, Drive, Docs, Sheets, Slides, Forms, Calendar, Google+, Sites, Hangouts, and Keep google calendar, highlighting the following points, the scheduling of meetings, inviting guests for meetings, creating events drafts and other primary knowledge about g-calendar. He also explained more features available in G-mail.

Description of the overall applications and uses of G-suite were given. Some of the advantages were also mentioned like collaboration in real-time, storing and sharing files in the cloud and securing your data and devices.



After that Shreyash Joshi; Finance Head of the team demonstrated the functioning google drive and gave some advantages about the same. Some of the key points about it are that it gives you the ability to store videos, photos, images, and documents remotely, so that you won't ever have to lose another important file again. They can all be stored in one centralized location (the Cloud), which means that you can access learning materials anywhere. Also, he showed the demonstration of uploading of new files, google documents and google sheets were briefed.



Later on, Akshay introduced Jam board and its uses, it is basically a digital interactive whiteboard developed by Google to work with Google Workspace, formerly known as G Suite. He pointed out that it can be used to express our ideas in an easy way. He briefed other applications like podcast, g-earth, hangout, vault, g-ads, g-groups, g-sites and g-currents. Further he focused on explaining the updates and additional features present in meet and the use of google-keep. Some of the key features of google keep are, it allows users to make different kinds of notes, including texts, lists, images and audio. Users can set reminders, which are integrated with Google Now, with options for time or location. Text from images can be extracted using optical recognition technology.

Bhargav a TY student described the function and significance of google-lense, it is basically an image recognition technology developed by Google, designed to bring up relevant information related to objects it identifies using visual analysis based on a neural network.

He also showed the way to live stream in a meet. The use of Notion, Trello dashboard and the main functions present in it were explained by Akshay. The introduction of Colab was given by TY student Himanshu Khadke, colab is something that allows anybody to write and execute arbitrary python code through the browser, and is especially well suited to machine learning, data analysis and education.

At the end of the session doubts of attendees were solved and new ideas were shared. The conducted session was useful and gave us information about the different tools that can be used in the online learning process. In this way the event ended successfully.





**Name of the Event:** MECHMERIZE 2020.

**Date of Event:** Nov 7 onwards.

**Time:** 4pm

**Medium:** online through Google meet.

From 7<sup>th</sup> November onwards MESA organized its flagship event, MECHMERIZE under which we conducted 2 workshops and 5 types of competitions as follows-

From 7<sup>th</sup> November, 2020 onwards, Team MESA held one of their most awaited and signature events, Mechmerize. The Mechmerize consisted of competitions organized by the students for the students of VIIT as well as students from other colleges as well. It was an interdisciplinary stream event as students from all backgrounds participated in it.

Starting the preparations of the event from one month before itself from selecting the theme, deciding the flow, to finalizing the dates and the list of competitions the event was thus decided to go live from 7<sup>th</sup> November onwards. Despite the challenges faced by the team during the pandemic times the team managed to get around 175 paid registrations throughout the colleges of Pune city as well as outside Pune as well as the mode of conduction was in online mode.

After a lot of brainstorming and ideas discussion Eight competitions and Two Workshops were decided to be hosted within a 2 days span. The team split into many groups and thus handled their competitions individually with the help of everyone.

The eight competitions that were decided are as follows -

1. DE-BA-TE
2. Cadliber
3. Visionxpress
4. Logographica
5. Tech Hunt
6. Assembly Line
7. Thinksters
8. Vishwakarma Premier League (VPL)

The two workshops which were decided were as follows –

1. Mechgramming
2. Video Editing Workshop



## Publicity and registrations-

The design team took the lead here and started designing posters and brochures for publicity of the grand event. The above picture represents the first poster created for the event Mechmerize. It was posted on the official social handles of MESA as well as all the volunteers.

The task of getting registrations for the event was a challenge due to pandemic but with great dedication and persistence the team worked and did publicity day and night for the event and was successful in getting around 150 plus registrations. The idea and overall information of the event was spread orally, digitally and by all means possible while following covid norms. The volunteers pitched their friends and colleagues and thus they developed skills like negotiation, communication and interpersonal skills.

Inauguration ceremony -



After intense hard work and dedication finally, the day comes and the inauguration ceremony begins on 29th January 10am in the presence of all the honourable dignitaries of VIIT and the respected faculties. A keen sportsperson, an engineer who Completed BSc in Physics from Khalsa college, Mumbai, and MSc from University of Mumbai in Physics with a specialization in Classical Mechanics. He did MS in Forensic Ballistics from Cranfield University (UK), while working with Heckler & Koch in Essex, UK. Pursued BTech in Mechanical Engineering from College of Military Engineering, Pune. A military person who developed a bulletproof jacket for protection against sniper bullets known as Sarvatra Kawach. He started R&D which developed a helmet and is claimed to be the first such in the world that can stop an AK-47 bullet round from a distance of 10 meters. He also developed India's first Lob type fire

extinguisher. The dynamic personality Maj Anoop Mishra, came for the inauguration day of Mechmerize 2020. Enlighten this day with your presence to witness one of the most mind-blogging events of MESA-VIIT., performed the inauguration ceremony and gave a brief introduction about themselves and role and opportunities for mechanical engineers.

Around 100 participants joined the inauguration ceremony along with them another half a century in the parallel link. After the completion of the inauguration ceremony the volunteers engage with their competitions with full force and dedication and are ready to give their best for the next 2 days. All the 7 competitions were held parallelly.

The details of each competition along with the registration count as well as glimpses of the events are discussed below.

### **MECHMERIZE: DE-BE-TA**

Debate competition, which was held on 7th November 2020. Successfully coordinated by Rutvik Lagali, Yash Gadekar and Ketaki Pathak, this event was held in two rounds where 41 students actively participated. All the participants were divided into 5 groups of the different topics like Electrical cars v/s Fuel cars, Online education v/s tradition education, Modern cultivation v/s tradition cultivation and Animal testing should be banned or not. These debates were started by each anchor's intro speech and welcoming judges and participants.



Cadliber competition was held on 7<sup>th</sup> November, 2020. It was successfully co-ordinated by Abhijeet Purandare and Priyanka Nathbhajan. The main motive behind this competition was to encourage students to be a good CAD designer and make the participants think outside the box. A total of 35 students took part in this competition. The competition was designed such a way that participants had to put in their own imagination while designing make the competition even tougher. The participation alone was not the tough part as the judges too had a tough time choosing the winners.



## MECHMERIZE: VisionXpress



It was based on Engineering Graphics skills, in which participants have to identify the correct isometric and orthogonal views and answer questions related to basics of Engineering Graphics. We were successful in bringing 35 entries for the event. Entry fees of 30 rupees for every participant, so in that way Rs 1050 was our total collection.

It was conducted in a series of two rounds. Mr. Pravin Rathod was the chief guest for the event. In the first round the participants had to answer 30 questions in a Google Form in 30 minutes. Pratiksha concluded the first round and asked the participants to fill in the Feedback Form.

The top 15 participants were then selected for the second round. Shubham acted as the host for the second round. Prathmesh presented the ppt containing the questions. The second round was a rapid fire round in which the participants were presented with a MCQ question. The participant who would type the correct answer first in the chat box in the meeting got the points for that question. Anamika concluded the event with a vote of thanks.

## MECHMERIZE: LOGO GRAPHICA

Logo grafica was one of the most successful events among all the events, 44 students participated in the event with entry fees of 30 rupees each. First day of event started with SY student Pramod about introduction of event and how this event can enhance your skills.



Anushka explained about rules and gave problem statement to the participants. All participants had put their creativity of imagination and designed their logos.



The poster for MECHMERIZE! 2020 features a yellow background with large, faint gear illustrations. The text is arranged in a central column, with 'MECHMERIZE!' in large, bold letters, '2020' below it, and 'Going Beyond Infinity' in a script font. Below this, 'Presents' is written in a cursive font, followed by 'LOGOGRAPHICA' in bold. At the bottom, it says 'Design that creates "BRAND"!!'. On the right side, there is a white box containing the event description, contact information, and logos for VJ and MESA. The date 'Date: 7-8 November 2020' is at the top left. Social media icons for LinkedIn, YouTube, Facebook, and Instagram are at the bottom left.

Date: 7-8 November 2020

**MECHMERIZE!**  
2020  
*Going Beyond Infinity*  
*Presents*  
**LOGOGRAPHICA**  
Design that creates  
"BRAND"!!

An Event where you get an opportunity to showcase your talent! Create a logo (a brand identity) for a given company using your designing skills and pitch your concepts in the real world!!

For details and registrations:  
Akanksha Narule  
954-586-5611  
Pranjal Gambhire  
986-046-2244

in / MESA\_VJ  
YouTube / MESA\_VJ  
Facebook / MESA\_VJ  
Instagram / MESA\_VJ

## MECHMERIZE: TECH HUNT



The poster for MECHMERIZE! 2020 TECH HUNT features a pink background with large, faint gear illustrations. The text is arranged in a central column, with 'MECHMERIZE!' in large, bold letters, '2020' below it, and 'Going Beyond Infinity' in a script font. Below this, 'Presents' is written in a cursive font, followed by 'TECH HUNT' in bold. At the bottom, it says 'hunt! Where technicality meets excitement!!!!'. On the right side, there is a white box containing the event description, contact information, and logos for VJ and MESA. The date 'Date: 8 November 2020' is at the top left. Social media icons for LinkedIn, YouTube, Facebook, and Instagram are at the bottom left.

Date: 8 November 2020

**MECHMERIZE!**  
2020  
*Going Beyond Infinity*  
*Presents*  
**TECH HUNT**  
hunt! Where technicality  
meets excitement!!!!

A game where you have to decode the given clues and make a leap for the treasure at the end. Here you can hone your technical skills and have fun at the same time!

For details and registrations:  
Shweta Basangoudar  
942-390-1080  
Adyasha Waghmare  
866-820-3738

in / MESA\_VJ  
YouTube / MESA\_VJ  
Facebook / MESA\_VJ  
Instagram / MESA\_VJ

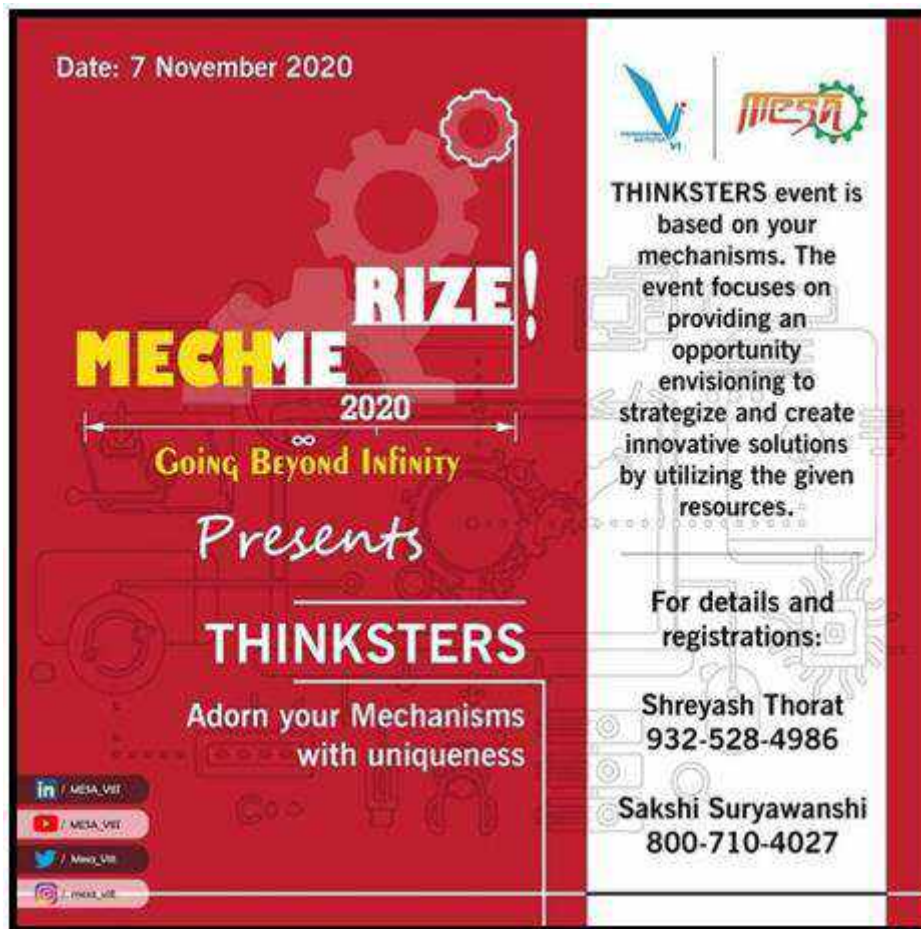
Tech Hunt which was held on 8<sup>th</sup> November, 2020 had received a very good response as the name of the event itself was exciting for the students. A total of 24 students from different colleges had participated in this event. It was also a debut event for MECHMERIZE and it didn't disappoint the organizers as well as the participants. Shweta Basangoudkar and Adyasha Waghmare firstly addressed the participants and explained the rules of the competition to them. As the event was new the participants too tried to collect all the information from the hosts of the event and then started to compete. The competition was quite high between the participants and all the participants were giving their 100% to secure the first position. In all the event concluded successfully without any issues.

### MECHMERIZE: ASSEMBLY LINE



Assembly Line was held on 7<sup>th</sup> November 2020. The hosts of the event were Swarali Deshpande and Gouri Tawhare, they started with the introduction of the competition. The participants had to work on a product right from the start of its manufacturing process to the packaging of the final product as per the clients demands. The products were given by hosts themselves but the products were decided by taking care of having equal difficulty for all the participants. Some participants had tried optimizing the solutions already available in the market. The event was a successful one and the feedback received from the participants was also very good.

## MECHMERIZE: THINKSTERS



THINKSTER which was held on 7th November, 2020. A total of 21 students from different fields participated in the event. It was the debut event for MECHMERIZE and it was pretty successful. Sakshi Suryawanshi provided the participants the list of all the requirements for this event a day before. This event started with a brief introduction from Rohit Joshi. He also explained how this event will help them in developing their interpersonal skills and professional skills. The problem statement was given to the participants and also the instructions of the event were given to the participants. All the participants were clear about the problem statements and the instructions.

## MECHMERIZE: VISHWAKARMA PREMIER LEAGUE (VPL)

Vishwakarma Premier League was conducted on 8<sup>th</sup> November 2020, 3 pm onwards. The event was hosted by Piyush Kale and Aditya Thorat. The main aim behind conducting this event was to give the participants real feel of bidding in an auction like Indian Premier league (IPL) auction. The hosts had even added other teams and companies in the bidding list which made the event even more entertaining for the participants. All the participants were delighted to be a part of such event and expressed their love by asking the organizers to keep this event even more frequently.



## MECHMERIZE: Mechgramming

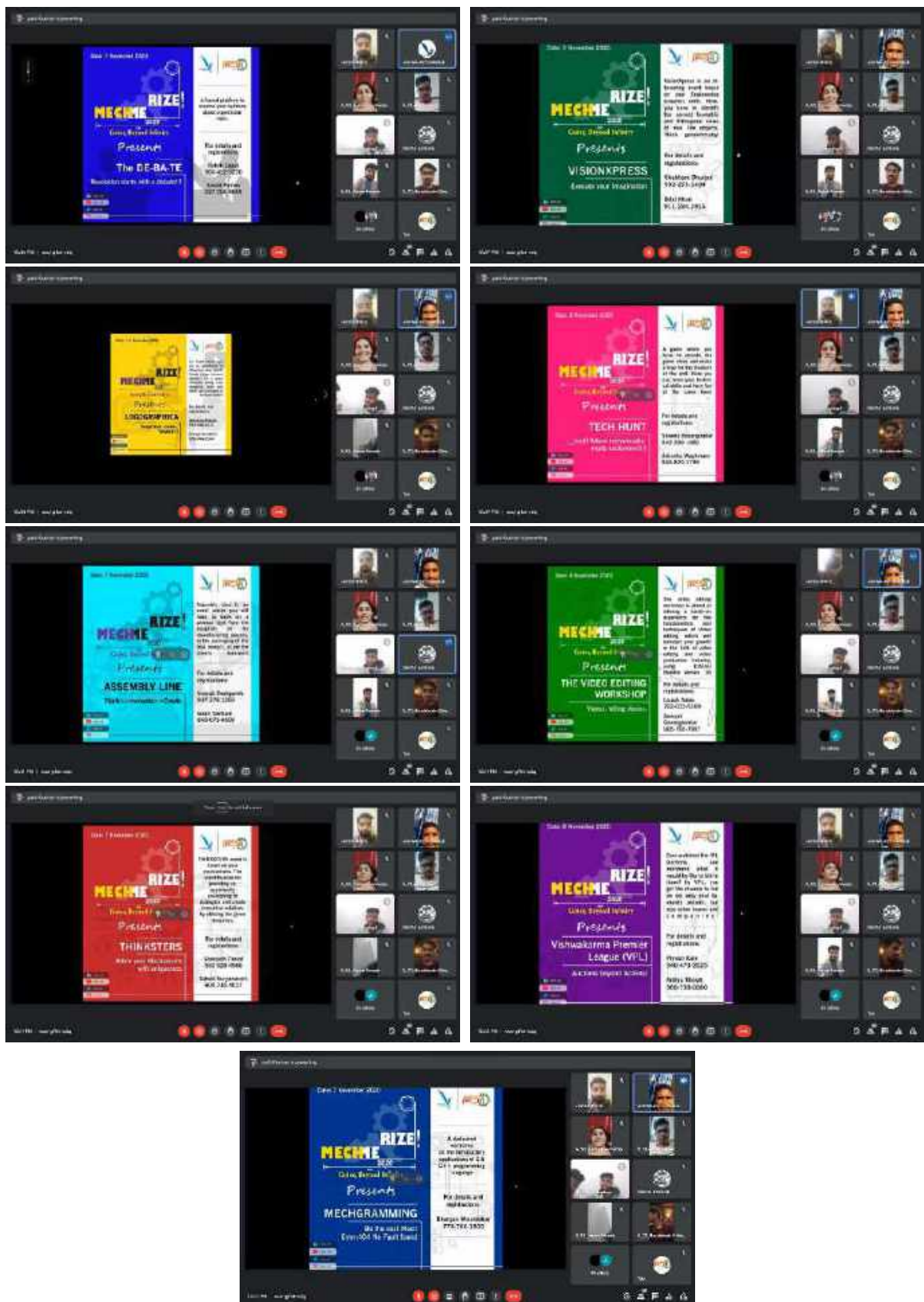


The Mechgramming workshop was held on 7th November 2020 from 3 to 4 pm. The Organizers of the event were and the co-organizers were. The event was hosted by Soumya Malgonde; she started the program with a short introduction of her Qualification. It was an interactive session. The importance of coding was explained by giving its applications in day-to-day life chores. Use of coding in different fields was enlightening. The difference between the coding language C and C++ was explained. A basic example of programming that is “hello World” code in C++ was explained for an easy start. Some basic concepts like variables, data types, statements, loops were introduced simultaneously while explaining the Syntax. At the end of the session some useful websites were provided to study or find solutions related to programming languages.

**Students feedback:** Participants learnt many technical as well as non-technical things through the event which are helpful in their future and suggested ideas to improvise some events.



## Photos Gallery: -



**Name of the event:** A workshop on Video Editing

**Date of the event:** 10 December 2020

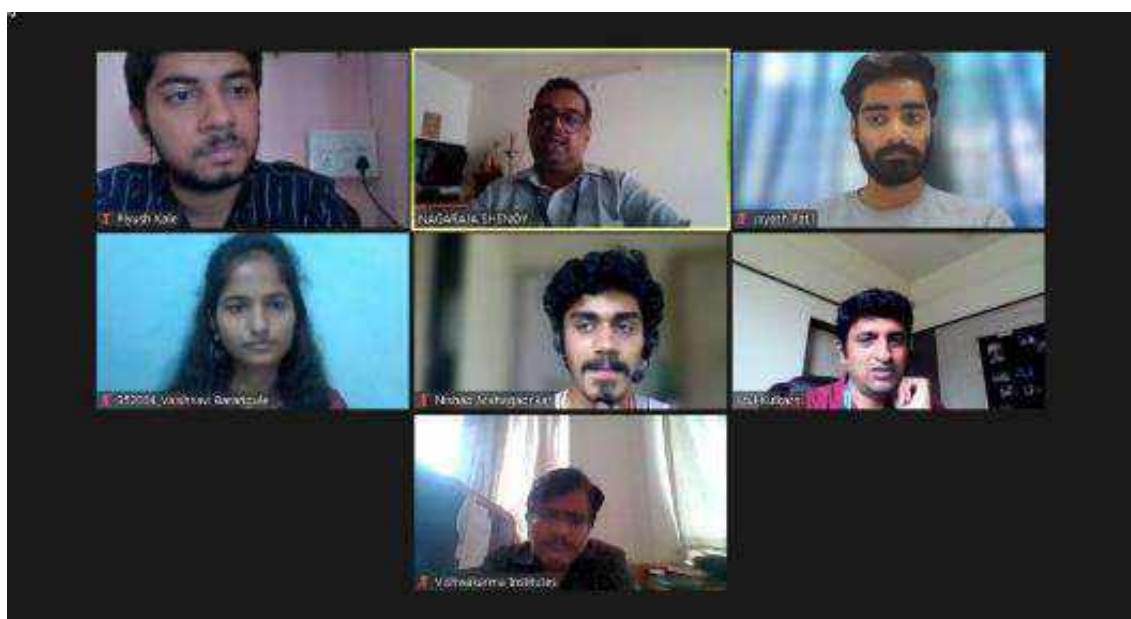
**Medium:** Online through Google Meet

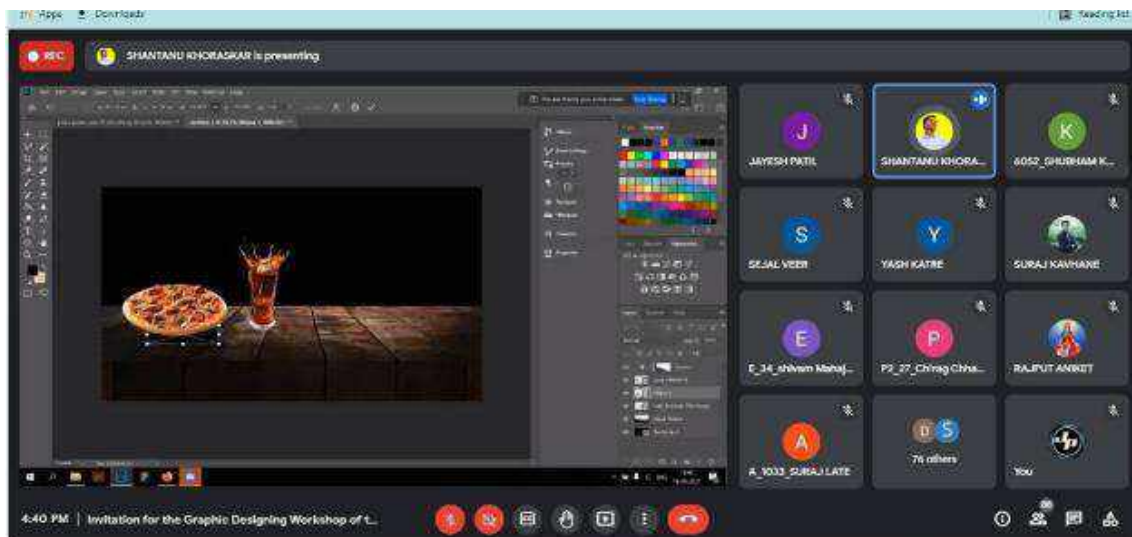
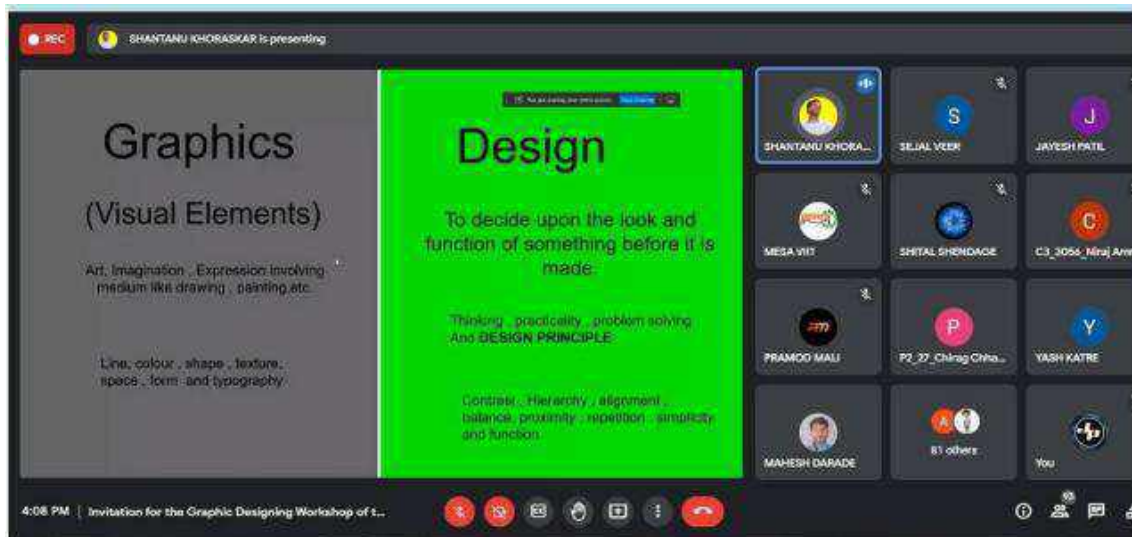
**Number of Attendees:** 85

On 10<sup>th</sup> December 2020, Mechanical Engineering Students' Association (MESA) organized a workshop on Video Editing. The event was hosted by Loukik Adole and Samyak Sawargaonkar. The event was inaugurated by the Head of the Department Dr. Dinesh Kamble Sir. He encouraged the students with his valuable words and also wished best of luck to the organizing team. The students were enthusiastic as well as curious while attending the workshop as it was something new for them to be learnt in college.

Still the response for the workshop was very good and the feedback received from the students was great too. Students wished to have more such workshops where they will have some value addition in their skills. The workshop used the software DaVinci Resolve Version 16. The workshop was aimed at offering a hands-on experience for the fundamentals and techniques of video editing, which will kickstart your growth in the field of video editing and video production industry.

Later on, the President of MESA, Kartik Kulkarni addressed the students and thanked them for their enormous response even during the pandemic situation and attending the workshop so keenly and continuing the workshop smoothly. He then finally concluded the workshop and promised the students to keep bringing such innovative workshops for students, and in return asked for similar response from them.





**Student feedback:** The workshop was very informative and entertaining at the same time. We would love to attend more such workshops in future.

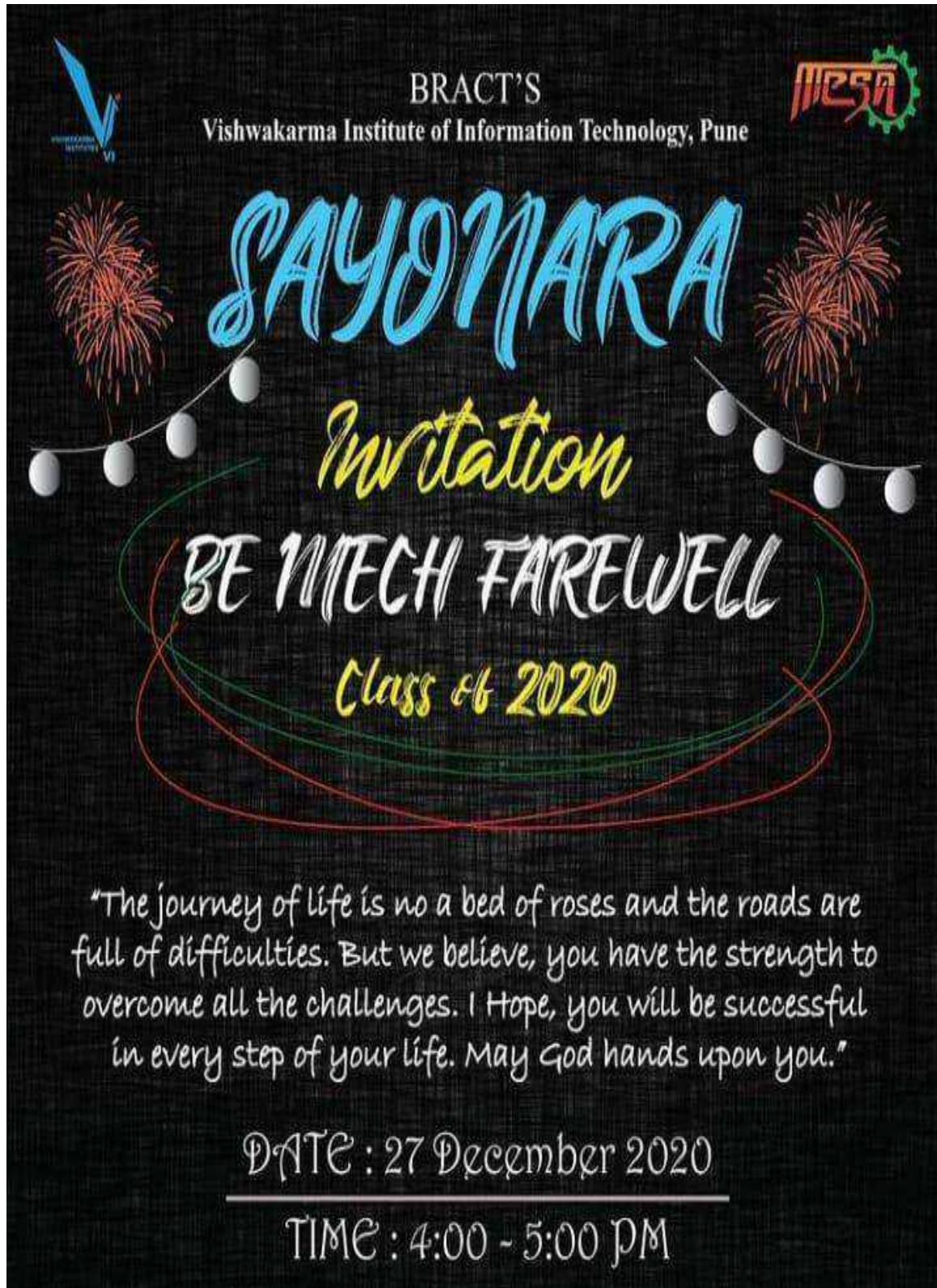


**Name of the Event:** BTECH farewell celebration 2021

**Date of Event:** July 4, 2021.

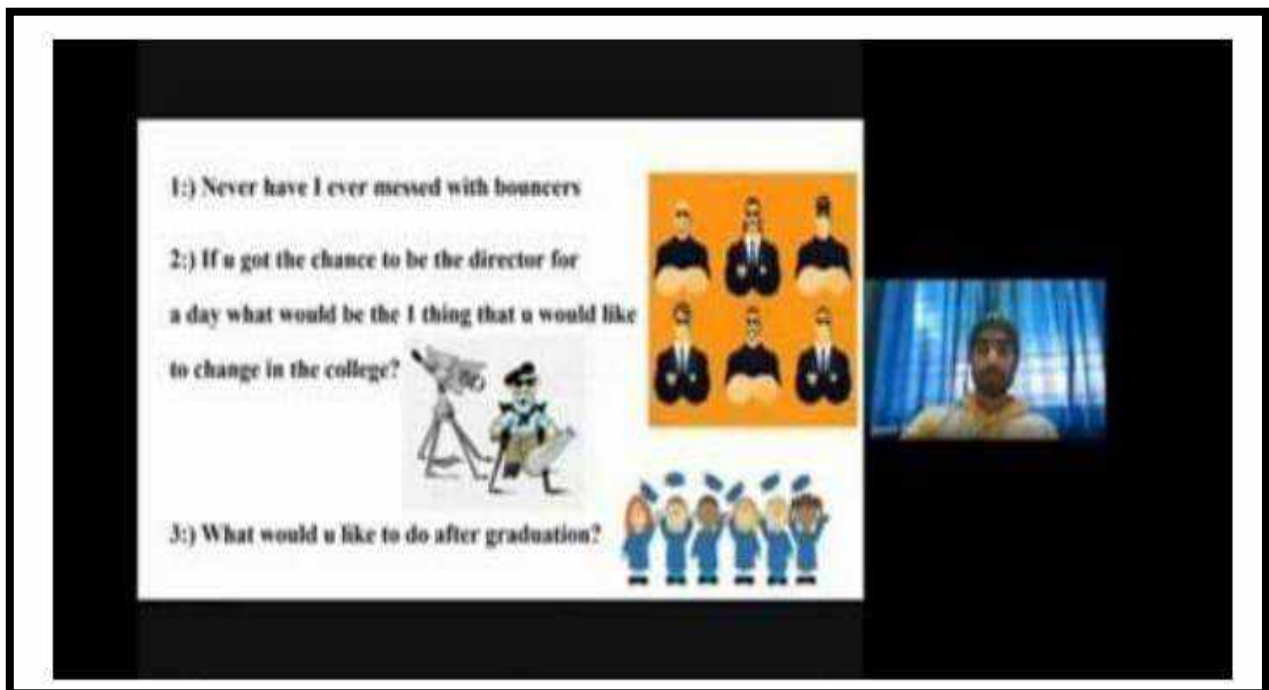
**Medium:** Online through Google meet.

**Number of Attendees:** 400



On July 4, MESA conducted a BE farewell celebration. Many seniors joined this celebration. This event was open to all the students of the Mechanical Engineering department. During this event, fun activities were conducted. The event started with two of our students, Gayatri Joshi and Nitanshu Katkar, speaking about college life. They shared their views about the memories created during their college days. The idea of this event was purpose by Ideas by HR and IR domain members the following event was conducted during this farewell as follows, Skit Quiz, Rapid fire, Question and answer session, and Game by HR along with IR domain accordingly.

The event started with the introductory speech by Nihira about college life. She shared her views about the memories created during her college days. Later HOD of Our Mechanical Department Mr.Dinesh Kamble Sir Shares his experiences with the Students. He guided students for their upcoming future and it's great to acknowledge the students.



*Glimpses of Games*

Later on Honorable Director, Mr.Deshpande Sir shared his views, and he appreciated every student's effort as well as teachers. Mrs.Rohini Panjikar Mam Head of Exam Cell wishes students for their future ahead later Gayatri Joshi presented the first activity which was a video of college life prepared by MESA Members.

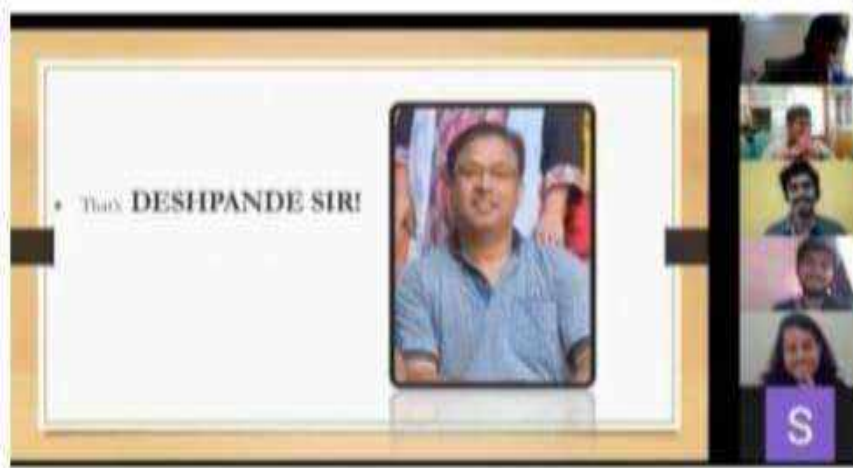
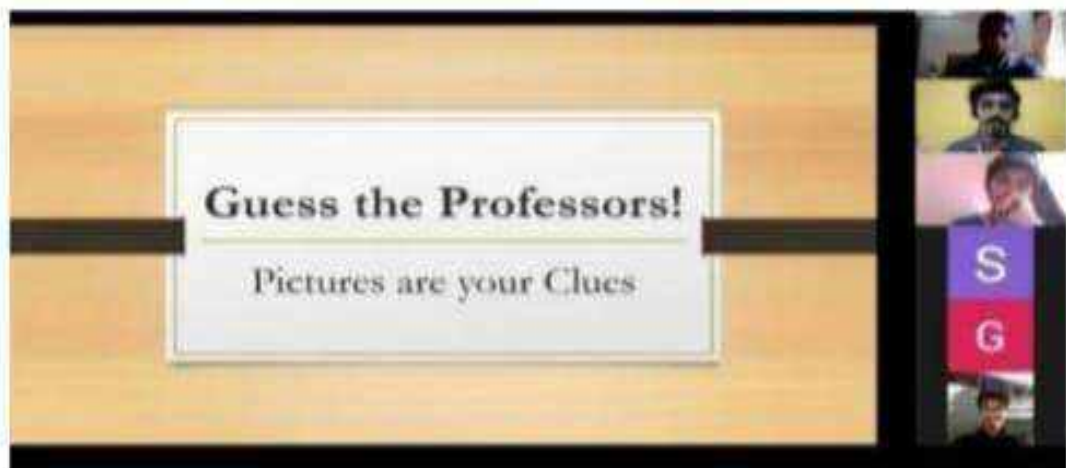


*Glimpse of First Engineering Life Video*

Later Jayesh Patil presented the first activity which was the skit video prepared by SY members. Then Shrutika, Sakshi, and Gayatri prepared a skit that which teacher liked most which were about how students' and teachers' relations are and how college life is so important and funny as well. For every student college life is so important and they must manage their college life along with their career. skit ending with a poem written by Mahesh Darde.

After that, a rapid-fire round was held by Sejal Veer, and random seniors were asked questions by Jayesh. A later game called "Who is I "was played virtually among the groups of senior members, after the presentation of a small demo. After that Views of Atul Kulkarni, Sir Shrutika Started the second fun activity, which was most likely to, and the seniors responded to it in a good amount. A later game called Mind games was played virtually among the groups of senior members, after the presentation of a small demo, and then a small questioning about 20 Saal Ke bad games by Samruddhi. After the game, Dattatreya Nalwade Sir shared his views and send best wishes to students the last time Samruddhi shared the college video that makes this event more touching. After that an event called `` together in the past round was held which was held by Nishad, Guess the professor.





After that an event called as together in the past round was held by Sharavni Jadhav and Gayatri Joshi. A wheel was a spinner and accordingly, questions were asked. Later Vaishali Barangule requested our HoD Dinesh Kamble sir, Aniket Salve sir, and Dattatray Nalawade to express their thoughts and opinions. At last, one of our Seniors, Siddhant Kolkar shared his experience with the staff. After the game finished, Star Sir and Mache sir Guided students on their upcoming future. Later on the class teacher of last year's students, Mr. Salve Sir gave his speech. At last Jayesh Patil Requested Students to Express their views about their college life, Akshay Joshi, and Shriya one of our seniors expressed their views. The event concluded with Jayesh Patil's speech.



**Students Feedback:** Seniors enjoyed the program a lot and got replenished with their college life memories.