

Index

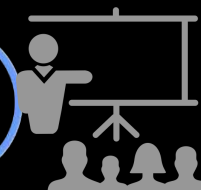


01

Silver Oak Edge

Webinars

02



22

Webinars by Students

Tea Tales@ SOU

24



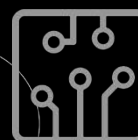
26

Gamification



Training Session-PCB

27



28

E-Industrial Visit

Silver Oak Cares

29



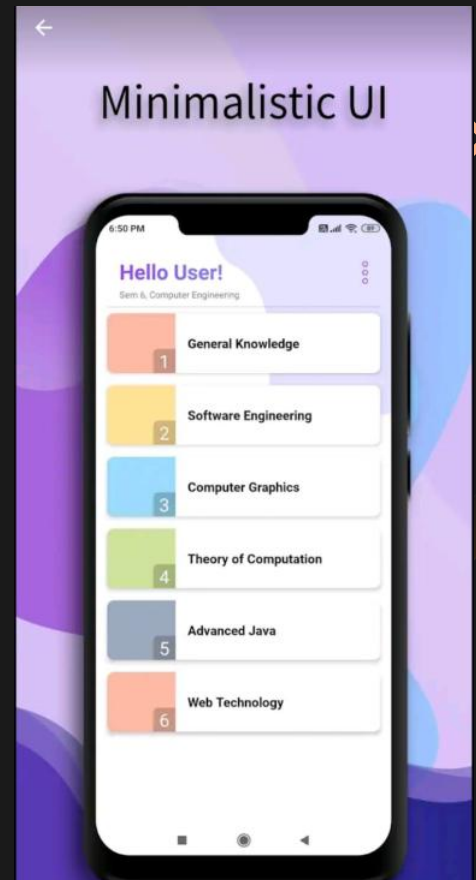
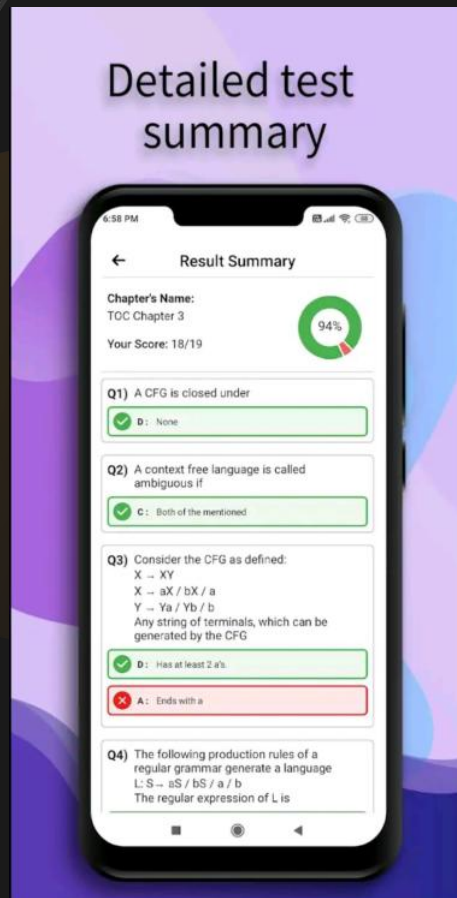
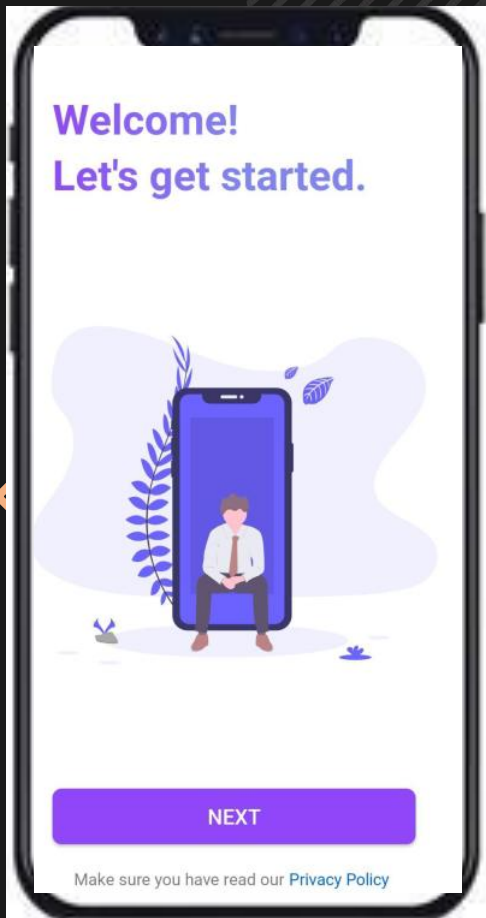
32

Faculty Achievement



Silver Oak Edge

(App Developed by SOU IEEE SB)



This summer we witnessed an unprecedented pandemic which has left no sector of any country unaffected. Silver Oak University has been known for its out of the box and innovative ideas across the state. For students to learn and get accustomed to the new learning curve, Department of Computer Engineering, Silver Oak University in association with SOU IEEE SB utilised this period to develop and now launches SILVER OAK EDGE (Beta). It is an android app for students which will act as an educational platform and enrich their skill sets.

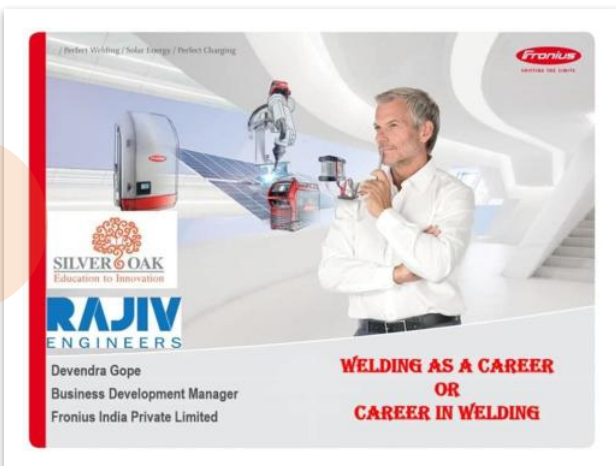




Webinar @SOU (Welding as a Career)



In the current situation of a complete lockdown, students are at their home. Even under such circumstances Silver Oak University (SOU) constantly thrives on imparting technical knowledge to students using different tools of technology. In regards with this, a webinar was organized on 7th May, 2020 by Mechanical Engineering Department of SOU titled 'Welding as a Career', for the betterment of the students and to enhance their knowledge. More than 500 students attended the seminar and got benefited from it.



Silver Oak University in association with Fronius India Pvt. Ltd. & Rajiv Engineers organized this webinar which emphasized on students choosing welding as a career and its bright opportunities.





Webinar @SOU (Welding as a Career)



Mr. Devendra Gope, the business development manager at Fronius India Pvt. Ltd. was the speaker and he discussed the wide range of welding and its applications. He not only talked about the myths related to welding but also imparted practical knowledge in the field and opportunities of selecting the same as a career.

The reason that the webinar was a huge success was because the speaker not only showed opportunities in the field of welding but also gave a direct connect of the industry to the students. In today's field students' connect with the industry is diminishing and this webinar helped in bridging that gap for the students. The last part of the webinar was Q&A wherein the students raised their queries which were cleared by the speaker.

/ Battery Charging Systems / Welding Technology / Solar Electronics

It Requires No Skill

Myths →

Conventional Welding

Reality →

It is more than "just" Joining & Welding is an Art & Everyone Can learn by Skills

Real Welding

/ Perfect Welding / Solar Energy / Perfect Charging

WELDING CAREER – THE UNTOLD SUCCESS!
TAKING THE FIRST STEP TO A BRIGHT FUTURE....

Welding Technician Underwater Welder Pipefitter

Ironworker Robotic Welding Technician Boilermaker



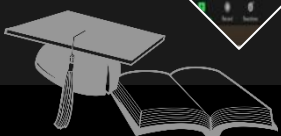


Webinar @SOU

(Web Development Using Django - Python FrameWork)

Computer Engineering and Information Technology Department of Silver Oak University, Ahmedabad had successfully organized a webinar on the "Web Development Using Django - Python FrameWork" by Mr. Akash Padhiyar (CEO), Akash Technolabs, Ahmedabad.

Django is an emerging web development technology in the IT Industry. The session addressed such issues as basic theory, what are the features, which companies are using it, installation of Django, live practical demonstration and command explanation. The session was very interactive where students took active participation. 270+ participants took an active part in this webinar.





Webinar @SOU (Transaction Analysis)

Silver Oak University arranged a webinar on "Transaction Analysis" for students of the 4th Semester Mechanical Engineering Department on 12th May 2020. The webinar was conducted by eminent speaker Prof. Mitesh Soni, former manager at Ferromatik Milacron Ltd. and former head of Mechanical Engineering Department of Nirma Institute of Diploma studies, Ahmedabad. The reason behind arranging this webinar was to enhance skills of our students, make their communication effective and help them cope up with stress during tough times. Session was very interactive and students were very enthusiastic in asking questions and solving exercises. Around 100 participants took active part in this webinar.



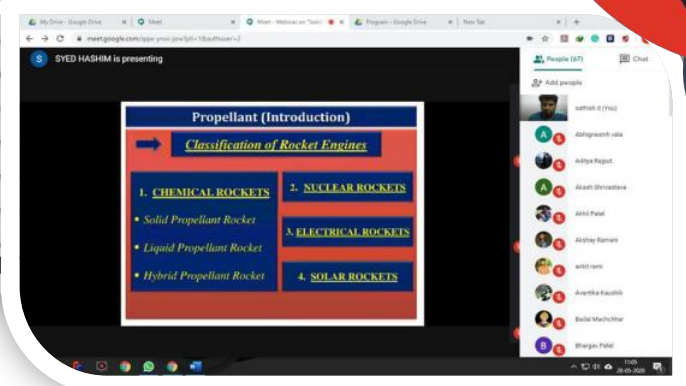
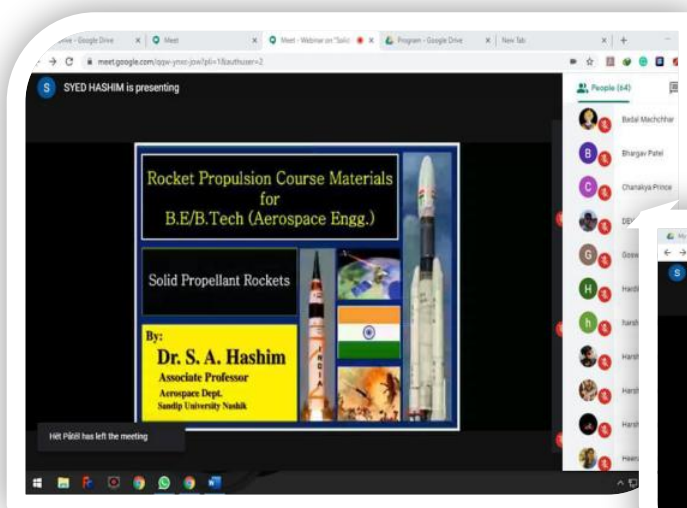


Webinar @SOU (Solid Propellant Rockets)

The Department of Aeronautical Engineering organized a Webinar on "Solid Propellant Rockets" on 20th May 2020 from 11 am to 12.10 pm.

Prof. Satish.D hosted this programme with expert Dr. Syed Alay Hashim, Associate Professor from Department of Aerospace Engineering, Sandip University at Nashik. A solid-propellant rocket or solid rocket is a rocket with a rocket engine that uses solid propellants. Solid rockets are used today in military armaments worldwide, model rockets, solid rocket boosters and on larger applications for their simplicity and reliability. Since solid-fuel rockets can remain in storage for a long time without much propellant degradation and the fact that they almost always launch reliably, they have been frequently used in military applications such as missiles. Session covers various topics including Double base, triple base propellant, composite propellants, Nitramine based composite solid propellants, smokeless propellants, composite modified double based propellants (CMDDB), various ingredients of Solid Propellants and its processing techniques.

Total 70 Aeronautical and Mechanical Engineering students from our institute and SVIT, vasad have participated in this insightful webinar and get benefitted.



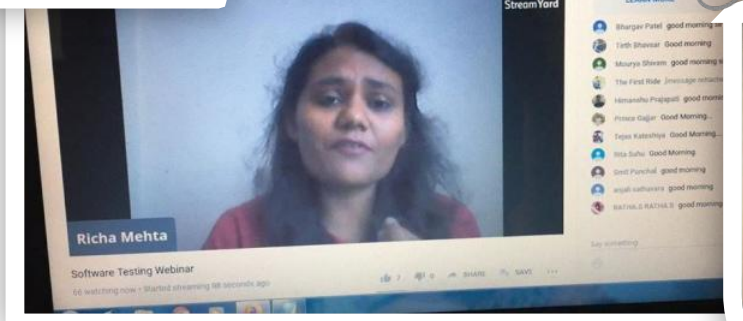


Webinar @SOU (Software Testing)

Computer Engineering and Information Technology Department of Silver Oak University, Ahmedabad had successfully organized a webinar on the "Software Testing" by Ms. Richa Mehta (CTO), Stad Solution, Ahmedabad.

Software testing is an emerging IT Technology. The session addressed many basic concepts of software testing, why it is needed, how to test web applications, how to create test cases and bug report as well as focused on the recent trends in this field and how to make career in this field.

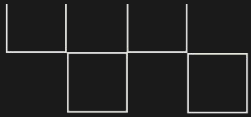
Session was very interactive where 100+ students took active participation.





Webinar @SOU

(Resume writing Skills and Corporate Expectations from Freshers)



Training and Placement Cell of Silver Oak University (SOU) hosted a webinar titled "Resume Writing and Corporate Expectations from Freshers" for its 6th semester students on 9th May 2020. It proved to be an exciting opportunity for the students to unlock their resume writing skills which is an important step towards building the career.



SILVER OAK UNIVERSITY
EDUCATION TO INNOVATION

**SILVER OAK UNIVERSITY ORGANIZING
WEBINAR ON**

**"RESUME WRITING SKILLS AND CORPORATE
EXPECTATIONS FROM FRESHERS"**

**BY TRAINING AND PLACEMENT CELL
FOR ALL 6TH SEMESTER STUDENTS**

**WEBINAR ON
9TH MAY, 2020
10 AM TO 11 AM**

#SILVEROAKCARES

www.silveroakuni.ac.in

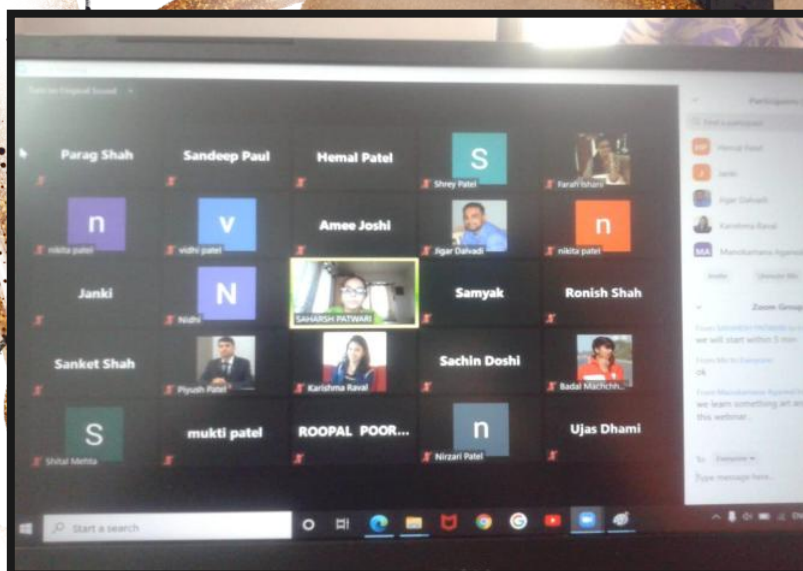
[f](#) [i](#) [t](#) [in](#) [v](#) /SilverOakUni





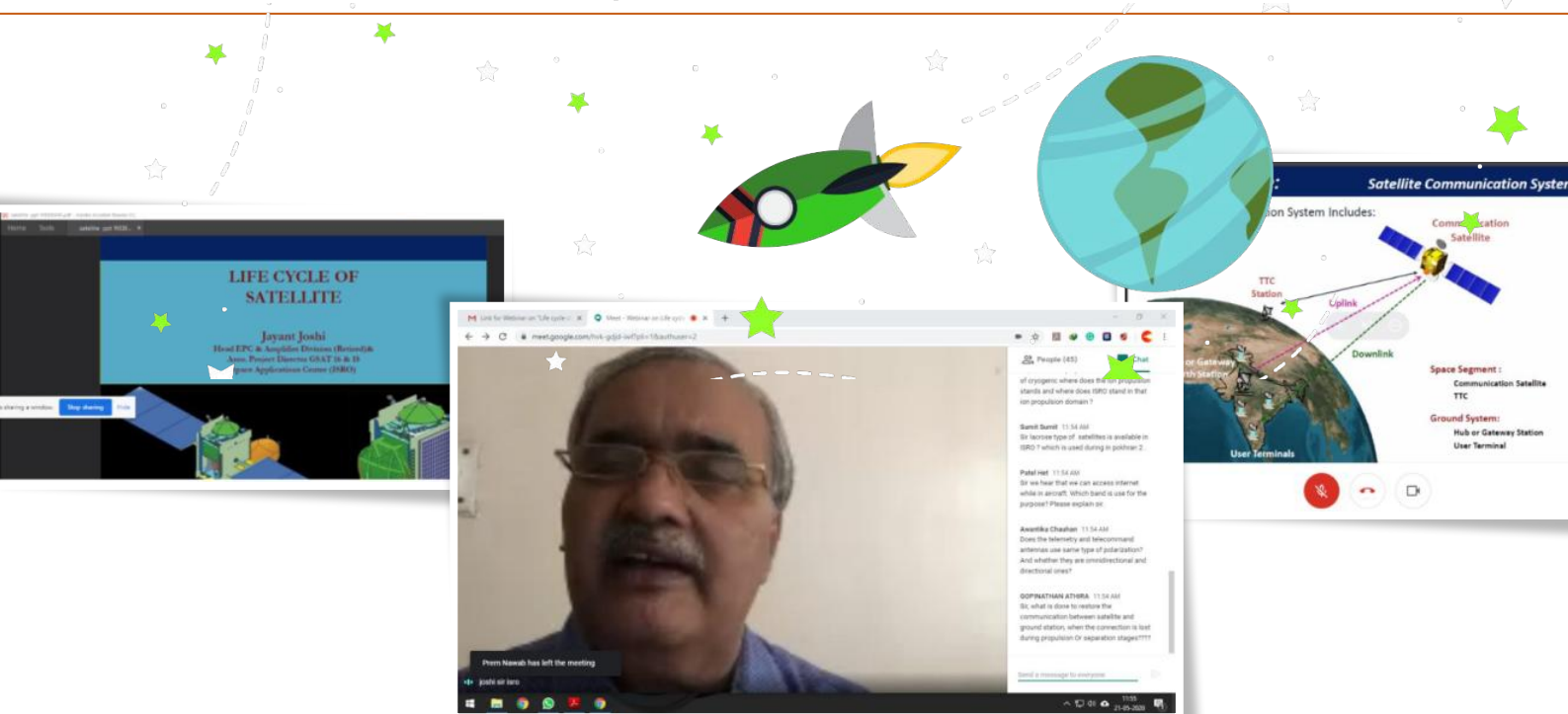
Webinar @SOU (Madhubani Paintings)

General Department of Silver Oak University arranged a webinar on "Madhubani Painting" for all the members of Silver Oak Family on 14th May 2020. The basic intention behind the session was to refresh ourselves with some art during these tough times of pandemic and do something new to raise a diverse skill in Madhubani Painting. The session was conducted by Swapna Patwari. It received a huge participation by the Silver Oak members (faculties and students).





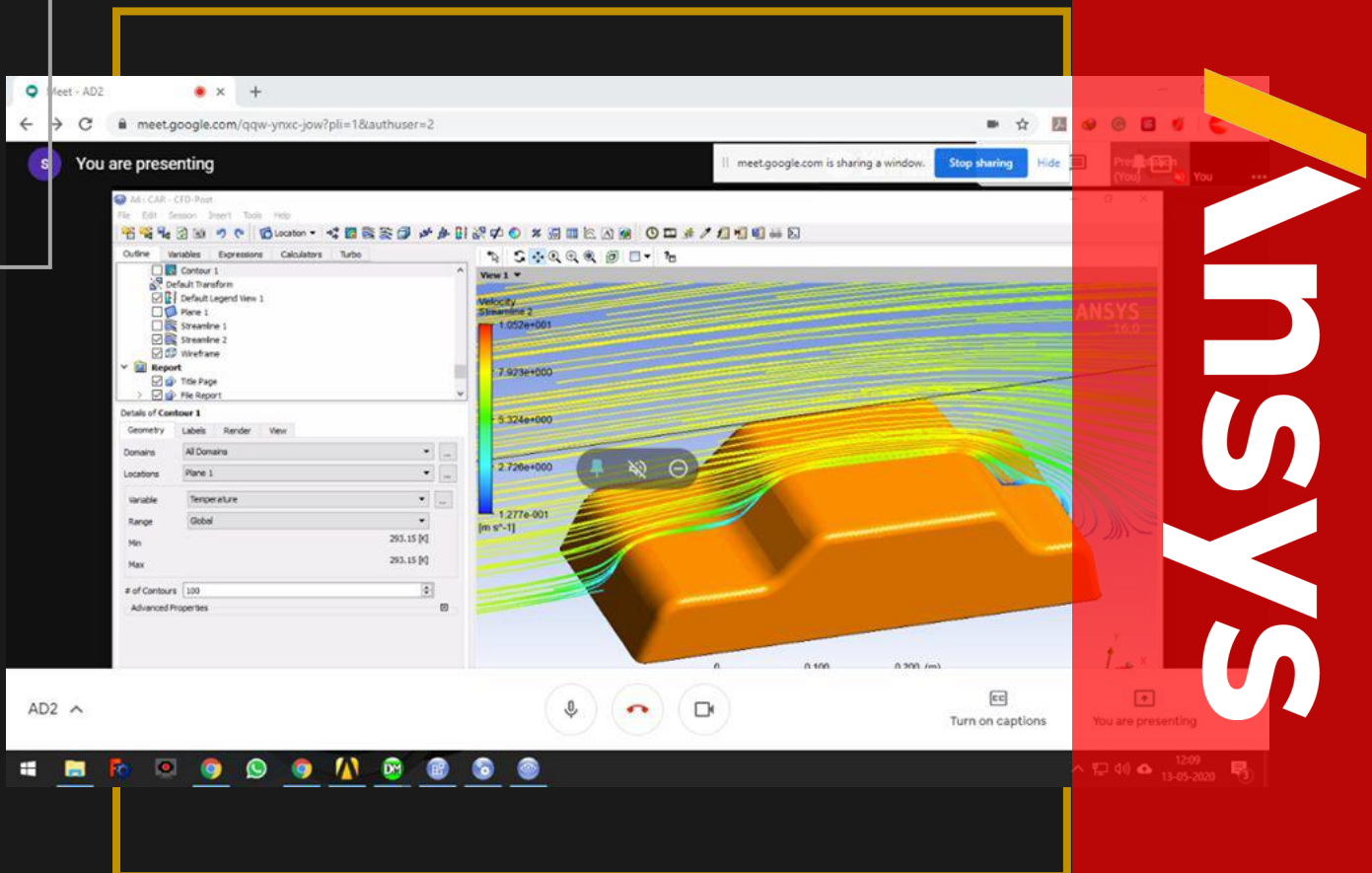
Webinar @SOU (Life Cycle of Satellites)



Department of Aeronautical Engineering organized a Webinar on "Life cycle of Satellites" on 21st May 2020. Prof.Sathish.D hosted this programme with expert Shri. Jayant P Joshi, Scientist Engineer (Retired) ISRO, Head EPC & Tube Amplifier Division, Associate Project Director, GSAT-16 & 18. In the context of spaceflight, a satellite is an object that has been intentionally placed into orbit. Satellites are used for many purposes. Common types include military and civilian Earth observation satellites, communications satellites, navigation satellites, weather satellites, and space telescopes. Topics covered under the session included the need and importance of satellite, satellite communication frequencies, frequency bands, satellite communication system, spacecraft systems, building blocks, populated panels, integrated satellite, the launch configuration, types of orbit and applications. Total 74 Aeronautical, Mechanical and Electronics Communication Engineering students from our institute and SVIT, Vasad have participated in this insightful webinar and got benefited.



Webinar @SOU (Introduction to ANSYS CFX)



Prof. Sathish D conducted a webinar on "Introduction to ANSYS CFX" for the 6th-semester students of Aeronautical Engineering on 13th May 2020. Ansys CFX is a high-performance computational fluid dynamics (CFD) software tool that delivers reliable and accurate solutions quickly and robustly across a wide range of CFD and multi physics applications. CFX is recognized for its outstanding accuracy, robustness and speed when simulating turbomachinery, such as pumps, fans, compressors and gas and hydraulic turbines of Mechanical and Aerospace Applications.



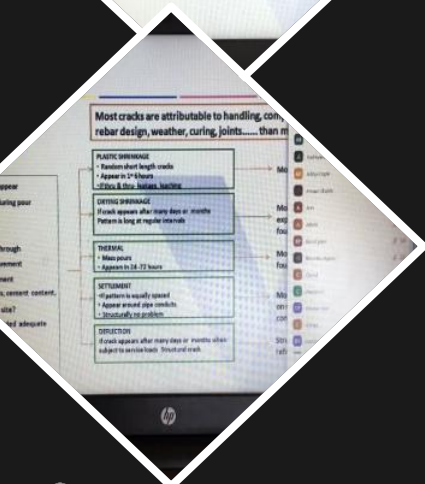
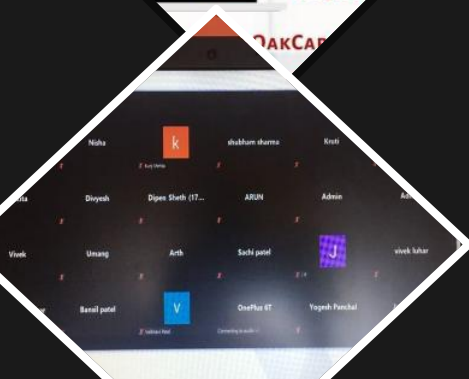


Webinar @SOU

(Hot Weather Concreting, Problems at Site and its Solution)

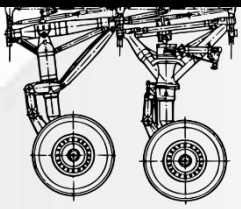


EXPERT SESSION BY
MR. HIMANSU PATEL
ASST. GEN. MANAGER
NUVOCO VISTAS CORP
13TH MAY 2020
10:30 AM



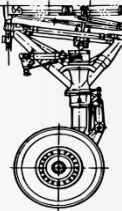
Civil Engineering Department of Silver Oak University successfully organized an Expert Talk on “Hot Weather Concreting, Problems at Site and its Solution” on 13th May 2020 by Mr. Himansu Patel, Assistant General Manager, Nuvoco Vistas Corp Limited for all Civil Engineering students. The students got new insights and valuable inputs on the topic. Sir has more than 25 years of experience in Cement, Concrete and Construction Industry. There was a good blend of experience and knowledge shared with the students during the session.. Defined case studies were also shared during the session. The session was indeed interactive as the speaker had kept open discussion about working of the RMC plant, site conditions during concreting in hot weather, precaution to be taken at site while concreting and many more.





Webinar @SOU

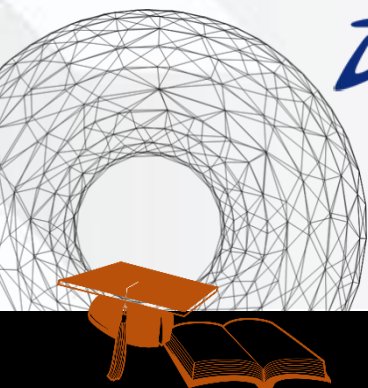
(Fundamentals of Part Modelling in CATIA)



Prof.Sathish D conducted a Webinar on "Fundamentals of Part Modelling in CATIA" on 26th May, 2020. CATIA is the World's Leading Solution for Product Design and Experience. It is used by leading organizations in multiple industries to develop the products that we see and use in our everyday lives. It is a multi-platform software suite for computer-aided design (CAD), computer-aided manufacturing (CAM), computer-aided engineering (CAE), PLM and 3D and it has wide application in Aerospace and Mechanical sectors.

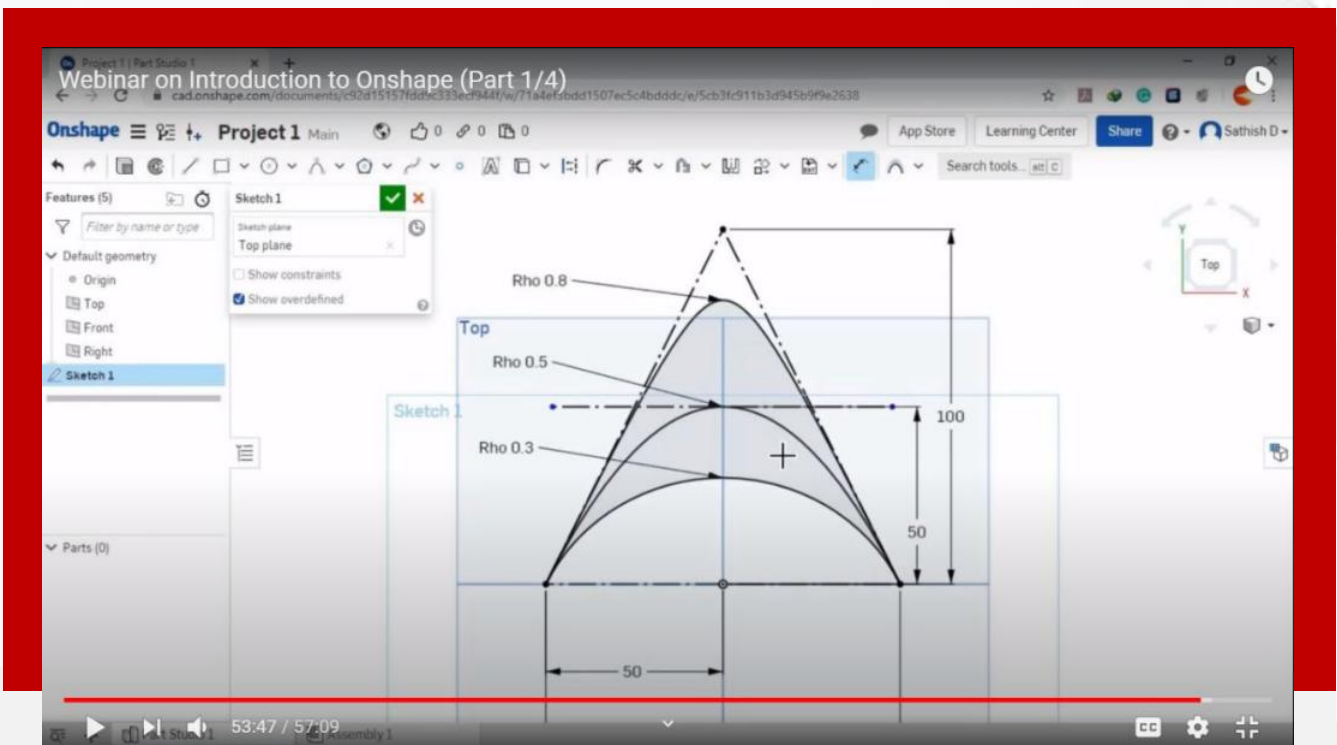


CATIA





Webinar @SOU (Essentials of OnShape Sketching)



Prof. Sathish.D conducted a Webinar on Introduction to Onshape [Essentials of Onshape Sketching] on 18-05-2020. Onshape is a computer-aided design (CAD) software system, delivered over the internet via a Software as a Service (SAAS) model. It makes extensive use of cloud computing, with compute-intensive processing and rendering performed on internet-based servers, and users are able to interact with the system via a web browser or the iOS and Android apps. Students from Aeronautical and Mechanical Engineering attended this webinar.





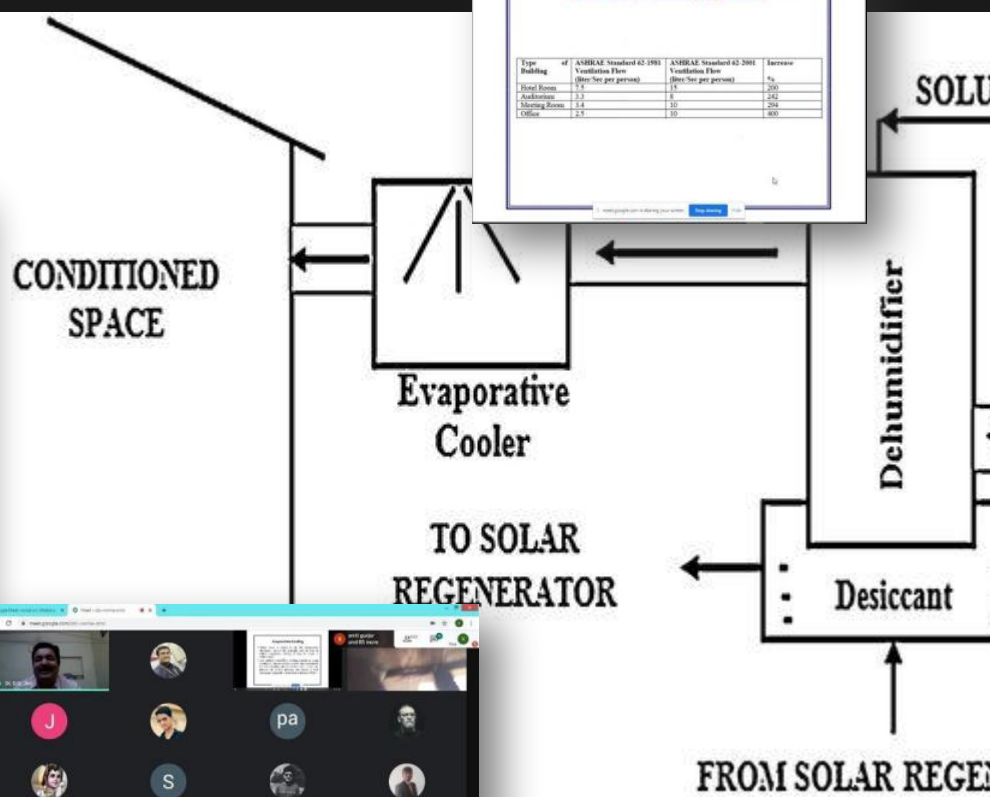
Webinar @SOU

(Desiccant based cooling and dehumidification system)



ASHRAE standard for Ventilation air requirement for different air-conditioning applications

Type of Building	ASHRAE Standard 62-1989 Ventilation Flow (l/s per person)	ASHRAE Standard 62-2001 Ventilation Flow (l/s per person)	Increase
Hotel Room	10	15	50%
Assembly	10	15	50%
Classrooms	10	15	50%
Offices	10	15	50%



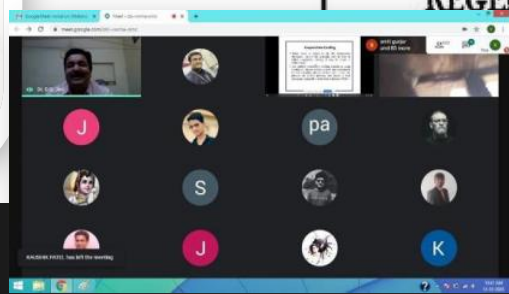
SILVER OAK UNIVERSITY
EDUCATION TO INNOVATION

SILVER OAK UNIVERSITY ORGANIZING WEBINAR ON
"DESICCANT BASED COOLING AND DEHUMIDIFICATION SYSTEM"
BY MECHANICAL DEPARTMENT FOR ALL 6TH SEMESTER STUDENTS

EXPERT SESSION BY
DR. D. B. JANI
ASSOCIATE PROFESSOR AT GOVT. ENG. COLLEGE, DAHOD
13TH MAY, 2020
10:30 AM TO 11:30 AM

#SILVEROAKCARES

www.silveroakuni.ac.in



Silver Oak University arranged a webinar on "Desiccant based cooling and dehumidification system" for students of 6th semester Mechanical Engineering department on 13th May 2020. The webinar was conducted by the eminent speaker Dr. D B Jani, Associate Professor at Government Engineering College, Dahod. The reason behind arranging this webinar is to enhance skills of our students about desiccant cooling system and comparison between conventional HVAC systems and innovative desiccant cooling systems.

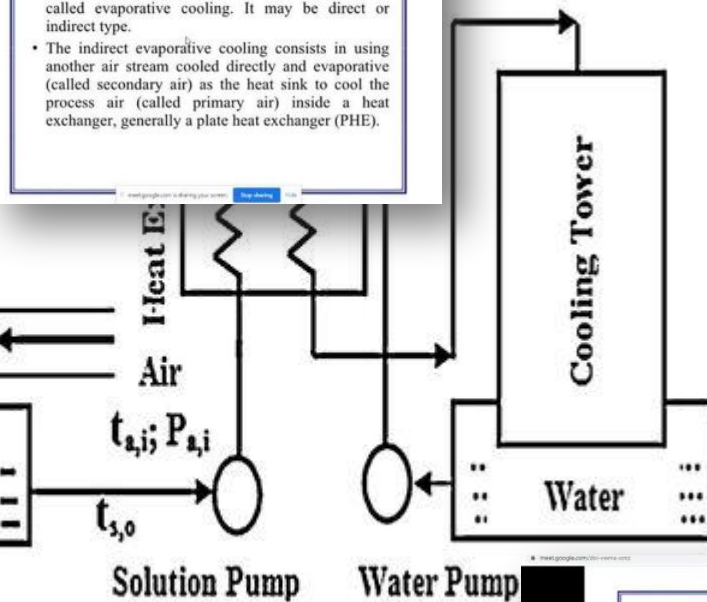




Webinar @SOU

Evaporative Cooling

- When water is added to air, the temperature decreases. This is the principle used in what is called evaporative cooling. It may be direct or indirect type.
- The indirect evaporative cooling consists in using another air stream cooled directly and evaporative (called secondary air) as the heat sink to cool the process air (called primary air) inside a heat exchanger, generally a plate heat exchanger (PHE).



Heating

Heating

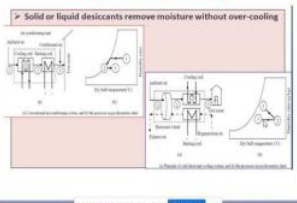
- Heating Would Increase Dry Bulb Temperature (DB).
 - It would also increase the Air volume.
 - However, Moisture Content (g/kg) remains the same.
 - The result is %RH reduced.
 - Example: Increasing space temperature from 22°C/ 60% RH (9.94 g/kg) to 30°C will drop down RH value to 37.4% keeping the same moisture content (9.94 g/kg).
- This method can be used where temperature control is not required since increasing of °C DB to an acceptable limit would reduce the RH in the space with the same moisture content unchanged.



Dr. D.B. Jani (PhD IIT – Roorkee)
Associate Professor

Department of Mechanical Engineering
Government Engineering College, Dahod-389151

Why desiccant cooling?



Air-Conditioning nowadays plays a very important role in our day to day life. The session resolved many basic concepts related to air-conditioning as well as focused on the recent trends in this field. Session was very interactive where students took active participation by asking questions and solving exercises. The webinar will help them to learn about the emerging technologies revolving around the Refrigeration and Air conditioning system. 100+ participants took an active part in this webinar.





Webinar @SOU

(Career Opportunities in Rubber Industry)

Chemical Engineering Department of Silver Oak University, Ahmedabad successfully organized a webinar on “Career Opportunities in Rubber Industry” for the students of 4th, 6th and 8th semester. The session was addressed by Mr. Vatsal Pandya, Technical Manager, Vasant Rubber Industries, Surat. The session was very exciting and conducted in an innovative manner as the speaker was available at the industry and explained the working of whole plant by showing the equipments as well as the processes carried out at each step. The session was so engaging that the audience felt as if they were physically visiting the industry. The speaker described the process of production of butyl rubber tube, one of the key products of the aforesaid industry.





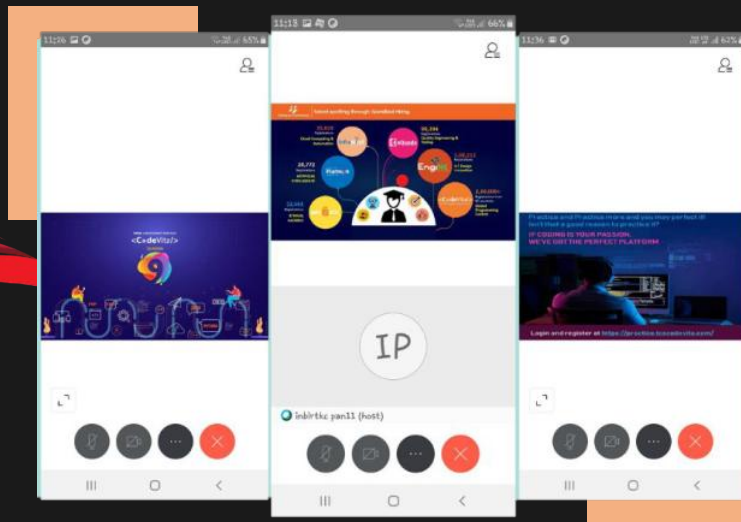
Webinar @SOU

Furthermore, he explained the future trends and career opportunities for the students in rubber industry in the upcoming years. The session yielded a synergistic result as the students got benefitted in terms of expert lecture along with industrial visit. The students asked various questions at the end of the session which were answered by the eminent speaker. The session concluded with a vote of thanks by Mr. Vijay Singh, HOD, Chemical Engineering Department, Aditya Silver Oak Institute of Technology.





Webinar @SOU (Codevita Competition in collaboration with TCS)



Silver Oak University placement cell in collaboration with TCS gave an opportunity to our students to enhance their profile. The University in collaboration with TCS organized a webinar on TCS Codevita Competition on 07th May, 2020 for 2021, 2022 and 2023 passing year students of all branches. Codevita aims at sharpening the contestants programming skills through some real-life computing practices.

The speaker discussed that TCS Codevita Competition is a global level competition and by clearing this competition the student can get the job offer in TCS with a package of up to 7 LPA. The speaker also discussed about the launch pad which helps the students not only to prepare for technical interviews but also helps in complete preparation for interviews. Moreover the speaker taught the registration process for the Codevita competition. Huge number of students from both the colleges participated in the seminar and the seminar was of great help to them.

Silver Oak University thanks TCS for such a wonderful webinar and hope that TCS will arrange more seminars to help the students.





Webinar @SOU

(Creativity in digital classrooms: tips on engaging your audience')



One of the most common questions going on in the minds of faculties during the present situation of lockdown is: “How to engage the audience in online sessions???” So to provide the solution for this question, Silver Oak University arranged a webinar on ‘Creativity in digital classrooms: tips on engaging your audience’ on 2nd May 2020. The key reason behind setting up this webinar was to leverage the skills of taking online lectures by introducing the participants with new and unique techniques of making the online lectures more interactive. The webinar was conducted by the eminent speaker Ms. Shaina Shah the chartered accountant, key mentor and co-founder at Limelight Pictures Film School since 2016 and Business Head at ICECD since 2010.

Ms. Shaina Shah, guided participants on how to use some unique teaching methodologies like providing live examples and case studies, gamifying the lectures, creating attractive pictorial presentations and many more such ways to engross students into the lectures. There were 100 participants who got benefited by this very thoughtful session and faculties got opportunity to learn various methods to engage the students in digital classrooms. The session helped faculties to modernize their way of teaching and engross students in the topic they are trying to convey.



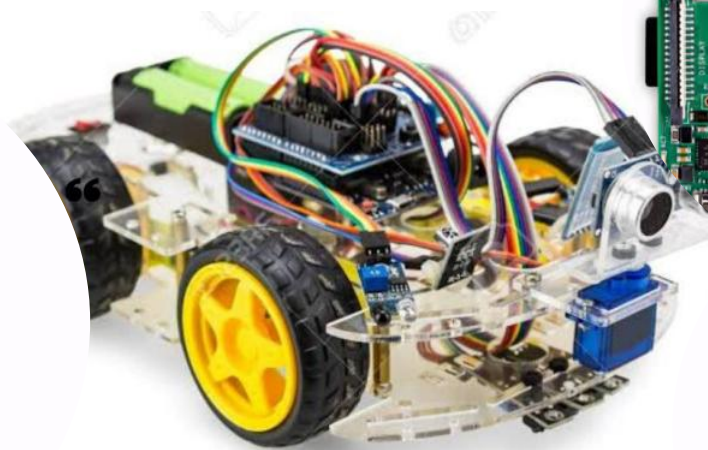


Webinars by the Students for the Students!! (Obstacle Avoiding Rover)

Kalp Shah(2nd CE-ASOIT) and Monil Shah(2nd CE-ASOIT) students of first year of General department of Aditya Silver Oak Institute of Technology organized a webinar on “OBSTACLE AVOIDING ROVER” on 28th may 2020 from 11:30 to 12.30 for their fellow 1st year students. In this Webinar, Kalp Shah and Monil Shah, explained how to make a robot that detects and avoids obstacles that come in its path. They further made them aware with the information regarding components used and how to code for the robot using Arduino.

Session was very interactive where 150+ students took active participation by asking questions.

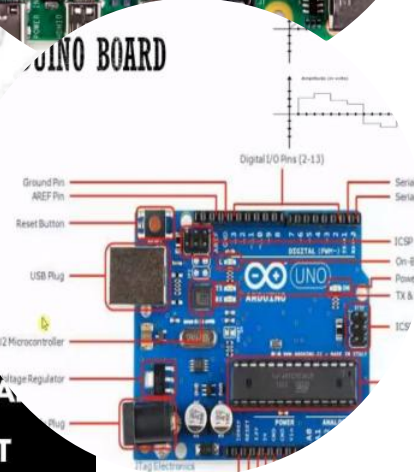
ULTRA SONIC SENSOR :



RASPBERRY PI



ARDUINO BOARD



"OBSTACLE AVOIDING ROVER"

A Webinar on how to make robot which detects and avoids obstacle facing in its coming path.

BY
KALP SHAH
MONIL SHAH
CE-ASOIT



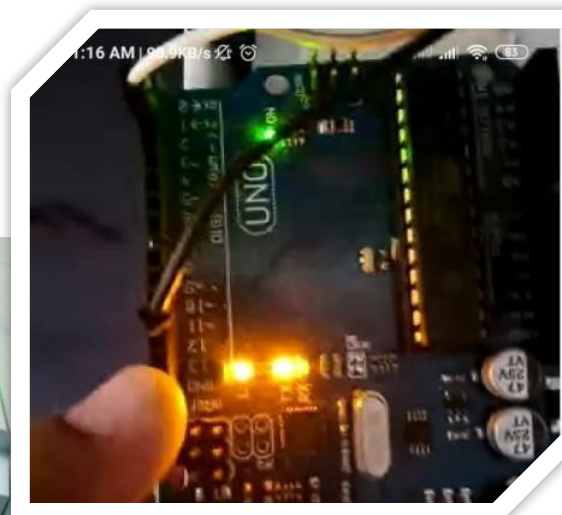
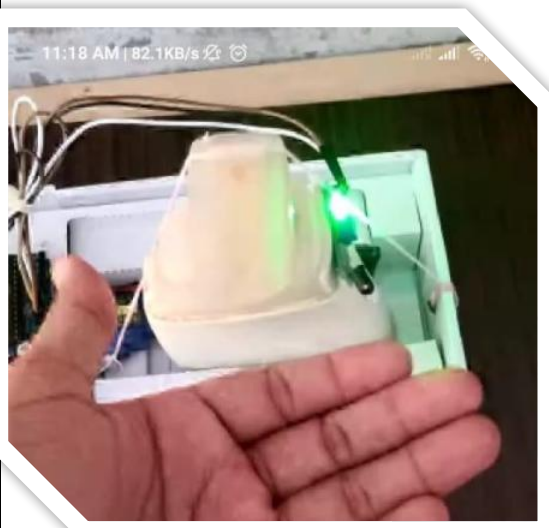


Webinars by the Students for the Students!! (AUTOMATIC HAND SANITIZER DISPENSER)

General department of Aditya Silver Oak Institute of Technology organized a Webinar on “AUTOMATIC HAND SANITIZER DISPENSER” on 28th may 2020 from 11 to 11.30.

The session was addressed by Smit Panchal 2nd semester Electrical Engineering student for 1st year students.

In this webinar Smit Panchal, explained how to make automatic hand sanitizer dispenser. Session was very interactive with 140+ active participants.



Shot on Redmi 3
By smit panchal

**"HAND
SANITIZER
DISPENSER"**

A webinar on how to
make automatic
hand sanitizer
dispenser.

BY
PANCHAL SMIT
EE-ASOIT





Tea Tales@ SOU



Tips on
how to learn &
practice coding
as per the
industry
needs

Tips on
how to prepare
for placement
season during
COVID-19



**On Serving in Defence Forces
using Technology**



How to
launch your
product on
e-commerce
platforms

How to
maintain your
freelancing
profile during
COVID-19

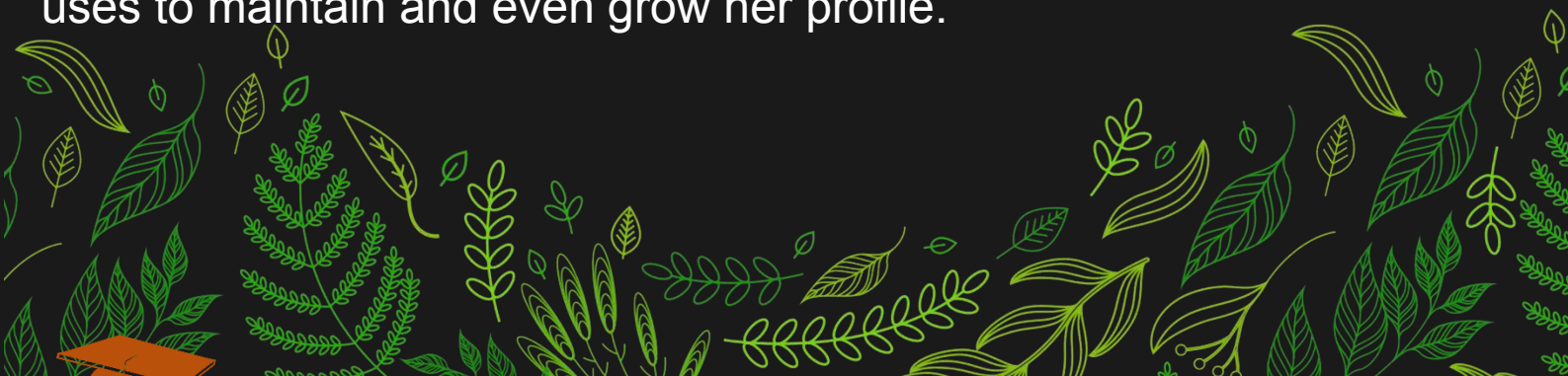




During these challenging times of COVID-19 when we can't exchange anything physically, IGNITE has come up with a way of exchanging knowledge and ideas. Whether we are a student, an employee or an innovator, this lock down has been tough on each one of us. It is our time to share the ideas and grow together. Silver Oak University has started the series titled Tea Tales with IGNITE to discuss various relevant issues that one is facing during the current pandemic. It gives an opportunity to share our experiences and stories so that others may get benefitted out of it.

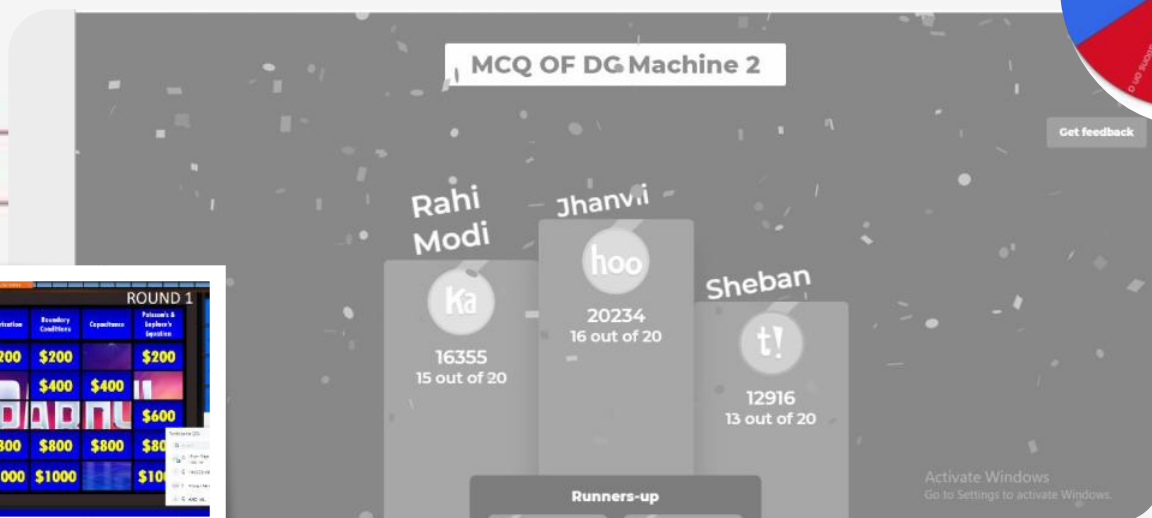
The first guest on Tea Tales with IGNITE was Mr. Chirag Brahmbhatt. He runs an IT startup named Spontaneous Enterprise and also manages a team of young enthusiasts. The session took place on 4th May 2020. During the session he discussed various techniques and tools that his companies is using to stay productive during these challenging times. The session was quite interactive and a lot of suggestions were raised to combat the current situation.

The second episode of Tea Tales with IGNITE was with Mrs Ranu Patel. She is the founder of Tarasaka and manages her profile mainly on Upwork. She also discussed all the techniques and tools that she uses to maintain and even grow her profile.





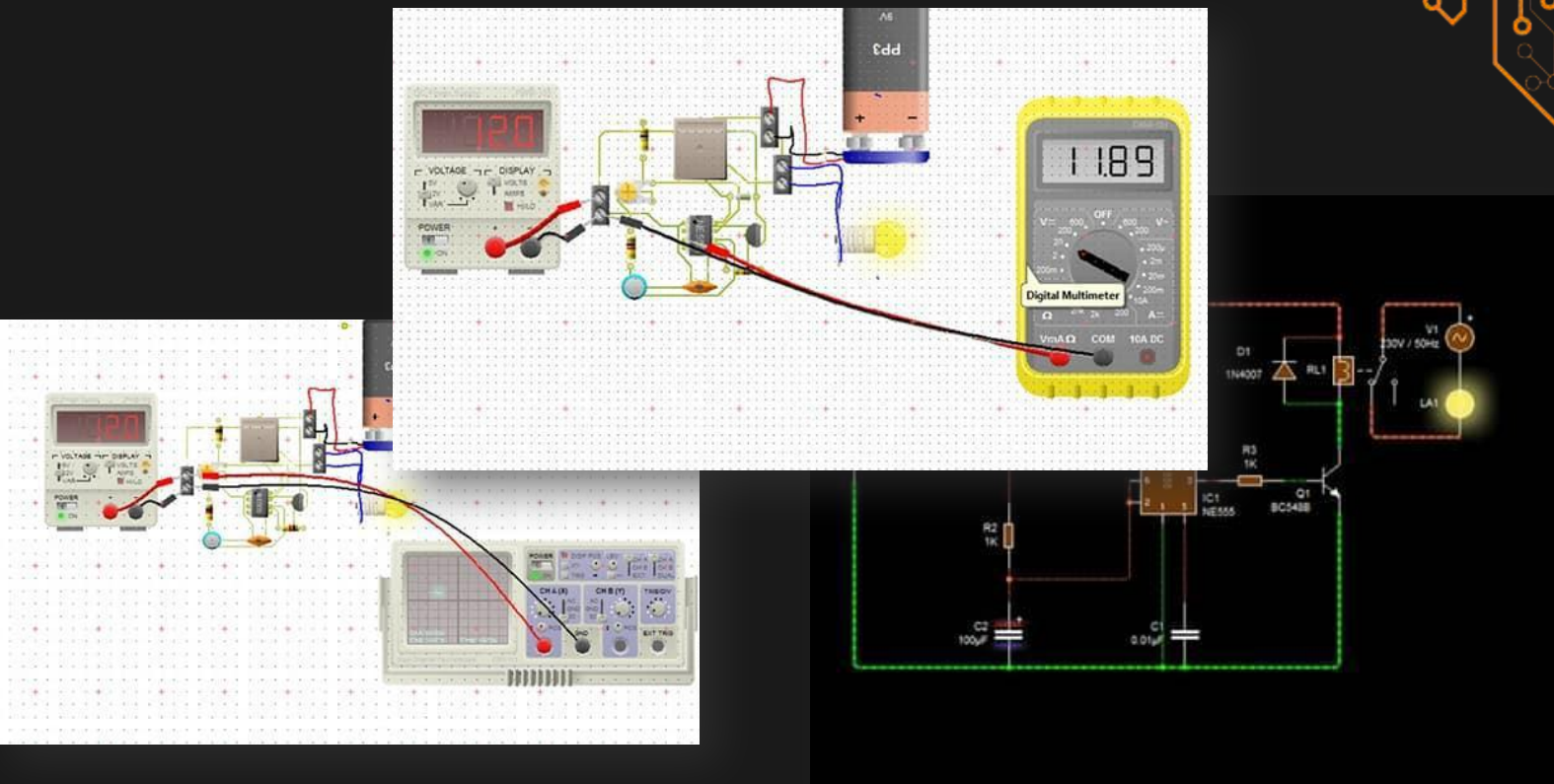
Gamification in Technical Education



Gamification (use of game mechanics in non-gaming contexts) appears to be an emerging trend in technical education. In this present scenario it strengthens engagement among faculties and students, changes behaviours of learners and supports innovation which comes from young minds. Students of 4th sem and 6th sem of Department of Electrical Engineering , ASOIT participated in various online games (Jeopardy, Kahoot, Cricket, etc.) jointly created by students and faculty members of the department. As a result students learnt to perform collaboration, careful planning, creativity, and self-guided study."



Training session on Printed Cut Board



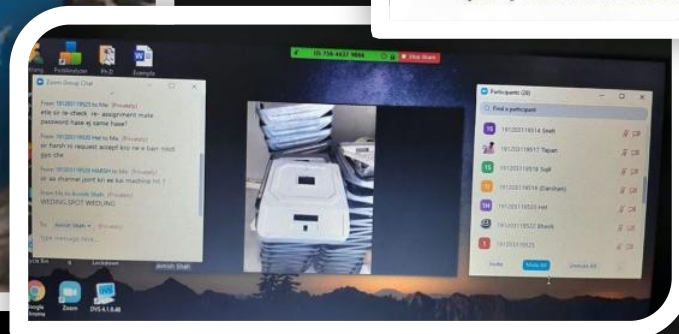
Department of Electrical Engineering , ASOIT has organised online training sessions for Printed Circuit Board PCB during 11/05/2020 to 16/05/2020. All the sessions were conducted by Prof. Rakesh Patel of Electrical Department of Aditya Silver Oak Institute of Technology. Students from semesters 4,6 and 8 participated in it. Students learnt wiring of components, selecting proper components , placing components on board, routing and tracking of PCB."





E-Industrial Visit

E-Industrial Visit for the 4th semester of the Mechanical Engineering department of Aditya Silver Oak Institute of Technology was organized under the guidance of Prof. Umang Parmar. The aim of the visit was to make students aware about the various processes happening on the floor of any industry. Starting from the raw material to the end product assembly was explained by the industrial expert Mr. Avnish Shah (Owner of the E.G. Tech Weighing Systems). Complete manufacturing of body parts and assembly of weighing scale was explained through practical exposure. By virtual platform students got the chance to interact with the industry and found practical application of their theoretical courses.





Silver Oak Cares

(Stress Management: Tips to remain mentally healthy)

To stay safe we need to stay home, this is the only way to fight against the deadly COVID-19 pandemic. This has created enormous stress level among people of all age groups in the society.

Silver Oak University in this regard, along with conducting online teaching to mend up for the dent created on academic of students, organized a webinar on "Stress Management: Tips to remain mentally healthy" on 4th of May for the Silver Oak family members by one of its team members Dr. Nameeta Chandra, a Doctorate in Psychology .

The session began with the administration of the Stress Vulnerability Stress Scale which helped the participants in assessing their vulnerability towards stress. Thereafter she explained the concept of stress and the various causes and the symptoms of stress. She also discussed 25 techniques that can be helpful in relieving from stress. Some of the major techniques discussed were; developing a positive mindset, indulging in positive self-talks, creating a repertoire of positive memories, setting realistic deadlines, practicing assertiveness, catharsis, avoiding information overload, nurturing social support, introspecting, exercising, meditating, eating healthy and so on.

The session proved valuable and relevant to the participants. It was greatly appreciated by one and all present.

#SILVEROAKCARES



www.silveroakuni.ac.in



/SilverOakUni





Silver Oak Cares (Medicine Distribution @ NSS)

NSS unit of Silver Oak University distributed medicine to improve immunity power by Vishal Parmar, a volunteer student. He had distributed medicines to 1000 houses at Raipur village near Gandhinagar under the guidance of NSS program officer Mahendrasinh Solanki.





Silver Oak Cares (Hand Sanitizer Device)

Towing with the Silver Oak University tagline Education with Innovation, one of our 6th Semester student Rahul Desai from Civil Engineering Department, Silver Oak College of Engineering & Technology has created Hand Sanitizer Device; as part of his Project Based Learning (PBL) project, to be used in public premises with no contact of hands.

He has prepared this device from the waste materials available at the construction site. The device works with the leg peddle push mechanism. It is indeed a simple, yet convenient and economical solution during such pandemic situations where we do not have to touch any surface with our hands.





Faculty Achievement

Dr. Pina Bhatt - Principal, Aditya Silver Oak Institute of Technology has completed two modules namely “Successful Research Grant Application - Getting it right” and “How to Secure Funding - ECR Edition” from Elsevier Research Academy making the best of the lockdown period.





Silver Oak University



Address



silveroakuni.ac.in



info@silveroakuni.ac.in

Nr. Bhavik Publications,
Opp. Bhagwat Vidyapith,
S.G.Road,Ahmedabad,
Gujarat, India - 382481

