



# THE **SILVER OAK** TIMES

Education to Innovation



Presented by:  
Mechanical Engineering Department  
Silver Oak University



**SILVER OAK**  
**UNIVERSITY**  
EDUCATION TO INNOVATION

Silver Oak University, Ahmedabad warmly welcomes all the students who have passed their 10<sup>th</sup> & 12<sup>th</sup> Science (Group-A) exams for “EXPLORE ENGINEERING 2020 - Flagship Program” with an aim to help the students to get proper guidance and practical exposure of the various engineering streams with current trends through various Virtual Labs and Technical Clubs. Through these sessions students can choose the most appropriate engineering branch on their own as per their interest for their brightest future.

The program is skilfully designed with fun and activities for 10<sup>th</sup> and 12<sup>th</sup> standard students to help them to connect themselves to the present scenario of demand in various industries. We Silver Oak university emphasize on helping these students to discover their inherent potential by giving them the journey of various disciplines of Engineering and answer their questions like “How do I decode my skill sets?, Which branch of Engineering to choose? and thus enabling them to make the right choice for their career.

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## IGBC –Student Chapter-SOU



The session also focussed on giving the participants an understanding that civil engineering deals with day to day life. Civil Engineers design, build, and maintain the foundation for modern society – roads and bridges, drinking water and energy systems, sea ports and airports, and the infrastructure. Discussion was also held on the present scenario of Covid 19 that Civil Engineers are disease fighters and can provide best defence by providing WASH infrastructure (Water Sanitation and Hygiene). Students enjoyed the sessions and cleared their doubts about civil engineering.

A series of similar sessions have been organized throughout the month and the coming months.

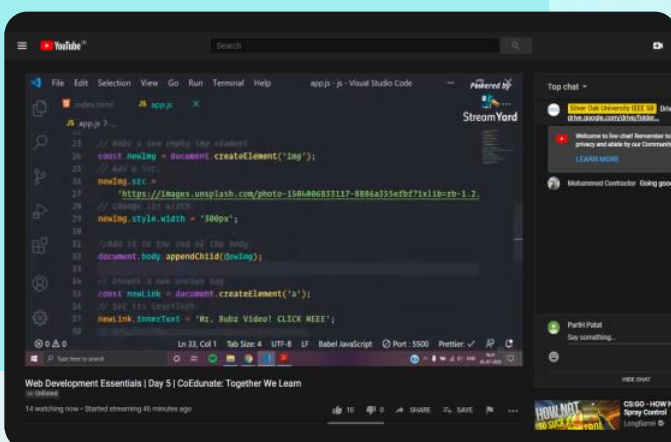
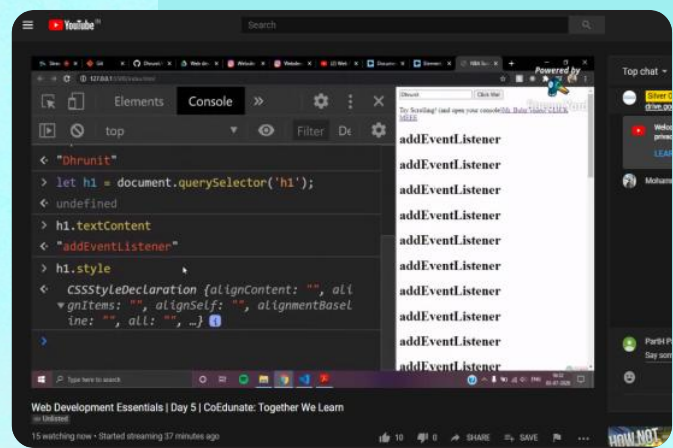
With this motive in mind, a session called “Explore Engineering” was organized by Silver Oak University throwing light on what Engineering as a stream offers and different future prospects available. Participants were briefed on the same by giving practical examples. Certain principles of Engineering were also taught to students in an innovative way where learning became fun for them. At the end of the session, participants’ doubts were cleared so that they developed a better understanding.

Another session was organized on 26<sup>th</sup> June 2020. The session covered the Civil Engineering Past Present and Future aspects. It also gave insight to students that Civil engineering is not only about “Construction” ,it has other interesting options like BIM (Building Information Modelling); one of the most promising recent developments in the construction industry. The session was conducted through quizzes and other fun activities.



## Online Workshops @ Silver Oak IEEE Students Branch

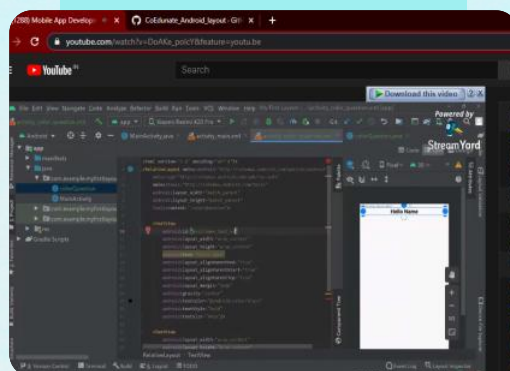
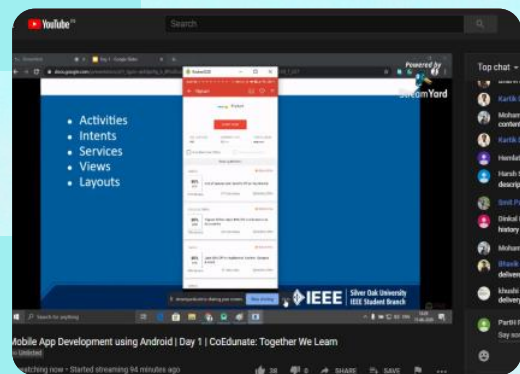
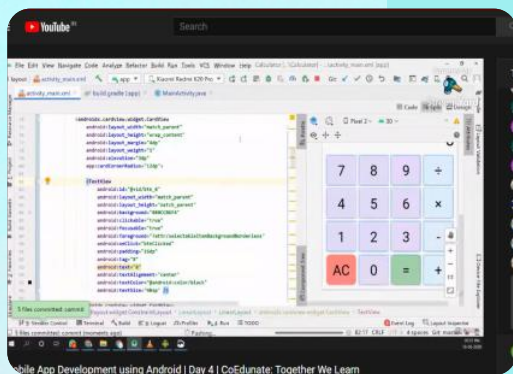
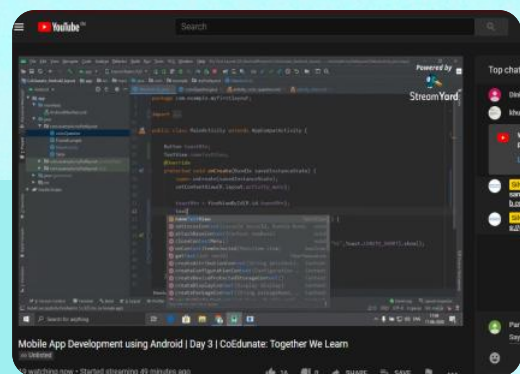
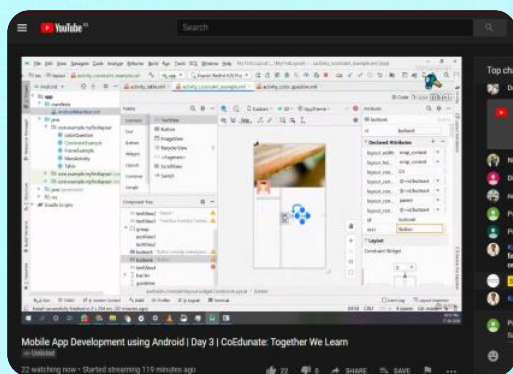
“CoEduate: Together We Learn” is an exclusive series of workshops organized by Silver Oak University IEEE Student Branch to encourage and support the technical advancement of the students to a wide range of technologies and platforms. All the events under this program were conducted by the student mentors Devansh Mehta and Dhrunit Prajapati. Moreover, after the completion of every event under the program, the participants were given a small project for self-evaluation. Doubt solving after each session and mentoring the projects by the student mentors is an important highlight of the workshop.



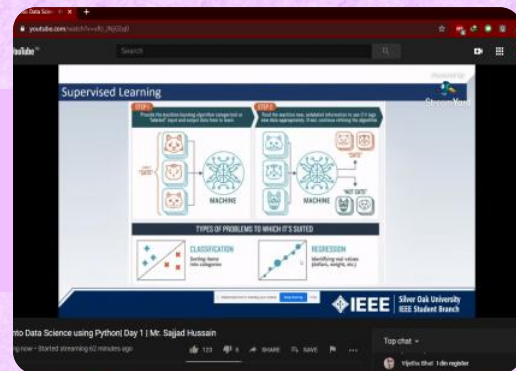
“Mobile App Development using Android” was the first event under the tag of CoEduate. It was a five-day workshop organized to understand the fundamentals of Android Studio along with the overview of UI development in application development with hands-on practice sessions for better understanding. More than 40 students participated in the workshop.



With the sole perspective to provide a platform to the student members for sharing their expertise with others, Silver Oak IEEE Student Branch has launched a continuous learning program “CoEduate: Together We Learn” exclusively for the SB members. The student mentors Malvik Chauhan, Miral Songhela and Maharsh Patel conducted this workshop with more than 70 participants. Moreover, after the completion of every event under the program, the participants were given a small project for self-evaluation. The second event under this program was “Web Development Essentials”. The core purpose behind conducting this workshop was to get the scratch to the best knowledge of Web Development along with the fundamental learning of various technologies such as HTML, CSS, Bootstrap, and JavaScript.

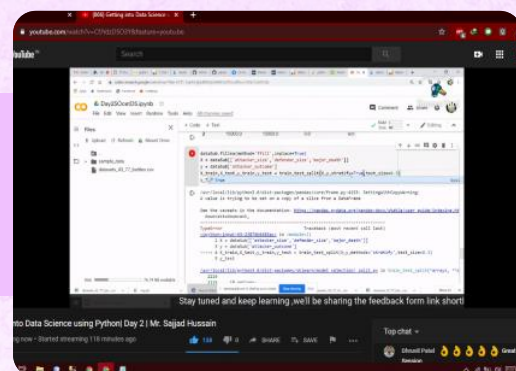
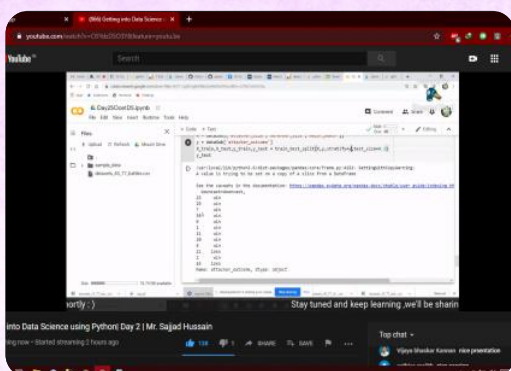


## A workshop on getting into Data Science using Python



Silver Oak University IEEE WIE Affinity Group always emphasizes on enhancing the knowledge of students in the field of technology. Keeping the same in mind, a two-day workshop titled “Getting into Data Science using Python” was organized on 1<sup>st</sup> and 2<sup>nd</sup> June 2020 wherein around 900 students actively participated. The workshop was conducted by very talented and highly experienced person Mr. Sajjad Hussain. The sole purpose behind organizing this workshop was to comprehend the fundamentals of the most demanding field in today’s technical era, Data Science and Python alongside some of its libraries. The event had begun with the basics of data science and was carried out with the hands-on practice of Python language and some Data Science concepts.

This event was open for all and with a view to expand this knowledge with other learning enthusiasts, the entire event is accessible on the official YouTube channel of Silver Oak University IEEE SB.

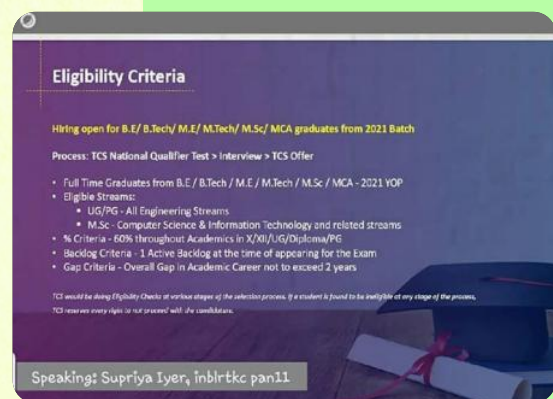


## Webinars @ SOU

### TCS Webinar

Training & Placement Cell @ Silver Oak University invited TCS HR Team for interactive session on TCS - PACE (Program for Accelerated Career Enhancement) on 26<sup>th</sup> June 2020 for 2021 batch passing year students for All Branches.

The speaker informed that their PACE program is divided into 3 phases. He said that the 1<sup>st</sup> phase which involved Resume Building & Interview Preparation emphasizing what a company HR looks in the resume of any candidate. The points a candidate should keep in mind while appearing for the interview were also discussed. The speaker also briefed about TCS Codevita Competition which is a global level competition and by clearing the same students' can get the job offer in TCS with a package of upto 7 LPA. Huge number of students from both the colleges participated in the seminar and learnt a lot.



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

## Opportunities for Startups and Innovation in the field of Electronics

Electronics and Communication Department of Silver Oak University organized a webinar on “Opportunities for Startups and Innovation in the field of Electronics under Atma Nirbhar Bharat Abhiyan” on 25<sup>th</sup> June 2020. The expert for the session was Mr. Raj Hakani, Asst. Prof. Gujarat Technological University.

The session was an interactive one where participants were exposed to various opportunities and options available for developing own startups and how they can be best utilized for growth and knowledge development.

It proved to be quite insightful for the participants.



## Career in Animation, VFX & Gaming

Every day we spend so much time in front of the Digital Screen. Websites, Videos, Films, Games are a part of our daily routine. Have you ever thought about how it is made? If you have ever thought of how?

In the given context Silver Oak University organized a free webinar on Career in Animation, VFX & Gaming organized in association with Frameboxx Animation and Visual Effects on 27<sup>th</sup> June 2020. The primary objective of the session was to guide participants on the specific path whether it involves becoming a Graphic Designer, Web Designer, Animation or Visual Effects Artist. Also, it aspired to assist them convert their interest into a worthwhile career.

### The expert speakers of the webinar were:

- Dr. Saurin Shah, Pro- Vost, Silver Oak University
- Mr. Ravi Gupta, CEO/Director, Frameboxx
- Mr. Vishal Kawji, General Manager Technical, Frameboxx
- Mr. Chetal Gazdar, Assistant General Manager – Technical, Frameboxx



The event witnessed a huge participation. The participants interacted with the experts and got their questions and doubts resolved by the panel of experts.

## Byju's Session

3<sup>rd</sup> and 4<sup>th</sup> semester students of all departments of Silver Oak University had a great opportunity to seek information and guidance from Mr. Pn Santosh, Co-Founder BYJU'S, through online class on 26<sup>th</sup> June 2020.



### Subjects covered in the online webinar session were:

- Up skilling Courses and Certification Programs for Placement in reputed companies
- Guidelines to choose Projects and Internships.

The session proved to be the best learning opportunity from an experienced personality and co-founder of the leading Edutech Company!!



## BIM Technology

Silver Oak University & Khodiyar CAD Centre organized a webinar on “BIM TECHNOLOGY” on 27th June. The event was hosted by the Civil Engineering Department. The expert was Mr. Bhagyesh Patel, BIM & AR-VR Expert.

### Topics covered during the session were:

- Revolutions in industries after COVID-19.
- How Design Technology helps Engineers in Professional Life.

The session was quite interesting and proved fruitful for the participants.



## Cloud Computing

Computer Engineering and Information Technology Department of Silver Oak University, Ahmedabad organized a webinar on the “Cloud Computing” by Ms. Richa Mehta (CTO), Stad Solution, Ahmedabad.



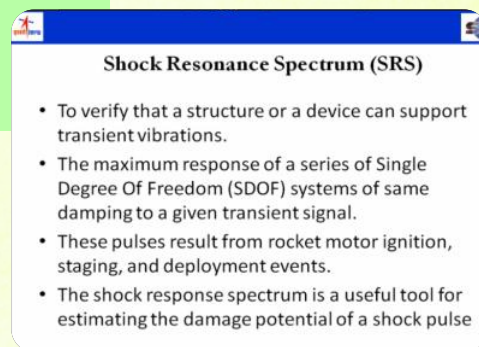
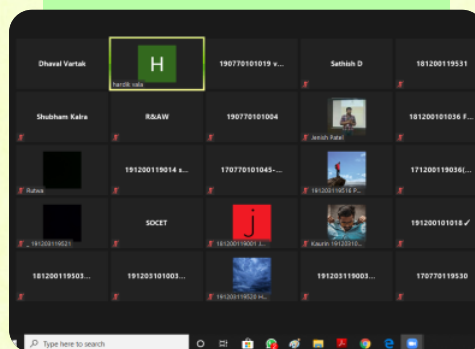
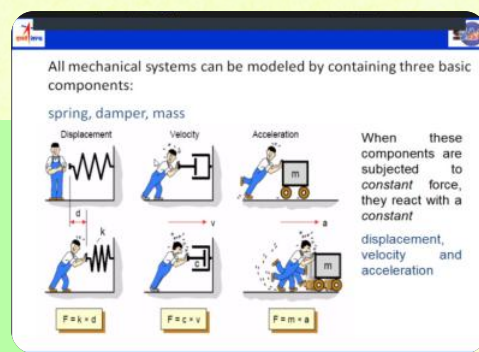
Cloud computing is the next big thing. Cloud Computing is the use of hardware and software to deliver a service over a network typically the Internet. Students learnt about architecture of cloud computing as well as its practical applications and benefits.

Session was very interactive where 250+ participants took an active part.



# Vibration Test for Dynamic Verification and Qualification for Space Payload

The Aeronautical Engineering Department organized the webinar on “Vibration Test for Dynamic Verification and Qualification for Space Payload” on 11<sup>th</sup> July 2020. Speaker of the webinar was Dhaval Vartak Scientists /Engineering at Space Application Centre (ISRO) Ahmedabad. The session was about how to overcome the vibration effect in the payload which is inside the rocket for example satellite systems. So, different methods of vibration testing are done at ISRO. He has given the information of different types of mechanisms which are used to test the dynamic vibration and static vibration.



The session was attended by around 58 students from the Aeronautical and Mechanical Department.

## International Women in Engineering Day

Silver Oak University IEEE WIE Affinity Group has always encouraged the profile of women in engineering and constantly focuses attention on the amazing opportunities and leadership roles available to women in the exciting and innovative field of engineering.



Adding to the same virtue, SOUs IEEE WIE Affinity Group celebrated the "International Women in Engineering Day" on 23<sup>rd</sup> June, 2020 to applaud the vital contribution and overwhelming achievements of women in the field of engineering. The participants celebrated and shared their ingenuity on "Women in Engineering" through numerous artistic templates like Poetry, Write-up, Digital Graphics, Posters, Sketches, Painting or Videos.

The event received an enthusiastic participation.

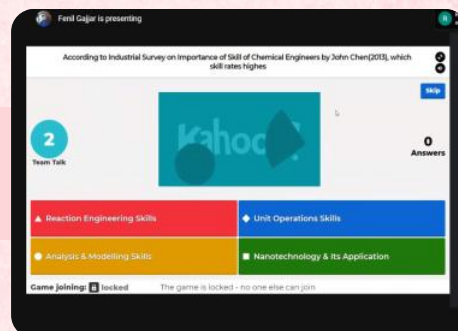
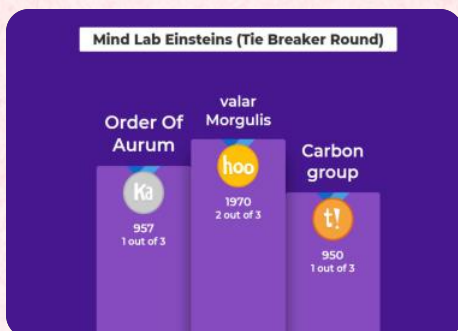
## Alumni Interaction Webinar Series

Silver Oak University Alumni Cell organized an ALUMNI INTERACTION WEBINAR SERIES for 6<sup>th</sup> semester students of all the branches of engineering. The second session in the series was conducted on 3<sup>rd</sup> June 2020. The speaker of the session was Mr. Anand Prajapati, alumni of SOCET. He delivered a talk on 'Careers after COVID-19 & How to survive in economic crises.'

Mr. Anand discussed about the different options available during the pandemic and what all opportunities can emerge and how to best utilize them for our career benefits. The session was interactive and participants gained valuable insights.



## Online Quiz Competition @ Neem Tree Club SOU



The NEEM Tree Club of Chemical Engineering Department, Silver Oak University organized an online Quiz Competition "Mind Lab Einsteins" from 27<sup>th</sup> July, 2020 to 31<sup>st</sup> July, 2020 for all the students of Chemical Engineering Department. It was all the way an innovative and eye-catching strategy for making the students engaged in the extracurricular activities in addition to the online academic learning during this lockdown period. The quiz was conducted on KAHOOT application through Google meet platform. It was a team event in which each team consisted of a member from 3<sup>rd</sup>, 5<sup>th</sup>, 7<sup>th</sup> semester Bachelor of Engineering and 3<sup>rd</sup> semester students of Diploma Engineering.

The quiz was conducted in three rounds. The first round was a screening round in which the questions were included from the basic concepts of chemistry which are generally used in day to day life. The questions in the final round were added to make students prepared for solving industrial level problems. It was a joyful learning experience for all the participants. After successfully completing the event, feedback was taken from all the participants. The students expressed that they learnt a lot of new things which will be really helpful to them in their career and such kind of events should be conducted more frequently.

## Online Lab Sessions

The long lockdown of COVID-19 pandemic, closed the building of institutions for students but not teaching. So for continuation of teaching our institute and faculties work harder on digital platforms and connect all students on this. All the digital content is well planned for students to easily understand the concepts. In connection with this digital education, we also started an online/virtual lab for our students.

Department of mechanical engineering, SOCET has arranged online Lab sessions for 3<sup>rd</sup> semester students. For this the subject

For this the subject Kinematics & Theory of Machines (KTM) is integrated with Fusion 360, Autodesk Technology for concepts of mechanisms and machines.

The arranged session will provide a practical exposure to students for understanding the concepts of mechanisms and machines and as an outcome, students have learned how to create models of mechanisms and study of motion of different mechanisms like 4 bar chain mechanism, single slider crank mechanism and many more with lower pairs.

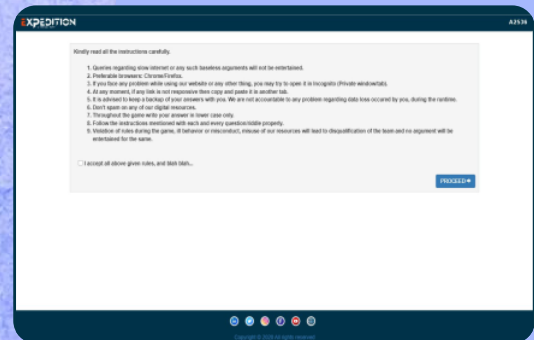


## Expedition - A Virtual Hunt by IEEE SOCET SB

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## Final Year Project Selection

### Civil Engineering Department

The poster features the Silver Oak University logo at the top. Below it, the text reads 'Live Discussion on Final Year Project' and 'Saturday July, 4 01:00 pm'. A list of 'Topics Covered' includes: 'How do you do a project in final year?', 'Is final year project important?', 'What is final year project Called?', and 'What is PMMS Portal?'. The speaker is identified as 'Department of Civil Engineering by Prof. Parth Danani'. Contact information at the bottom includes the website 'www.silveroakuni.ac.in', email 'info@silveroakuni.ac.in', and phone number '+91-79-66046300'. An image of a man in a headset working at a desk is also present.

Silver Oak University's Department of Civil Engineering conducted a live discussion with final year students on 4<sup>th</sup> July 2020 to guide them on their final year projects. Project Coordinator, Prof. Parth Danani was the speaker of the session. He guided and mentored the students on the various nuances of project work.

Topics covered during the session were: Info related to PMMS portal activities such as;

- Importance of Patent Drafting
- Exercise-PDE
- Business Module Canvas-BMC

The students received great insights on the various topics. It proved to be a fruitful session for them.



## Mechanical Engineering Department

7<sup>th</sup> and 8<sup>th</sup> semesters are the career-defining semesters of engineering and the project plays a significant role in it. Considering this, Silver Oak University's Department of Mechanical Engineering organized an online session of Synopsis on Final Year Project Selection on 11<sup>th</sup> July 2020.

The topics covered in the online session were as follows:

- Introduction to IDP/UDP projects and Project selection.
- Introduction to GTU PMMS Portal.
- Activities to be carried out during the year.
- Process of Internal Guide Allocation



The session was conducted by the Project Coordinators (Mr. Dhairya Raval & Mr. Vimal Jasoliya). It was an insightful and learning experience for our students.

## Faculty Achievement



### Himani Mittal

Prof. Himani Mittal, Assistant Professor in Department of Science and Humanities, Aditya Silver Oak Institute of Technology has participated in a webinar on "Introduction to Business Analytics: Communicating with Data" on 17<sup>th</sup> June, 2020 organized by School of Business, Auro University, Surat. She gained a deeper insight into Data Analytics through this webinar.



## Prof. Sathish D

Prof. Sathish D delivered an expert session on “Making animations and videos for teaching-learning” in International Virtual Faculty Development Program on “Educational Strategies for Universal Learners” organized by VELS Institute of Science, Technology & Advanced Studies (VISTAS), Chennai from 22<sup>ed</sup> to 24<sup>th</sup> of June, 2020.

## Hardik Vala

Assistant Professor Hardik Vala from Aeronautical Department have attended the Swayam NPTEL course on Aircraft Maintenance from January to April 2020 and completed the course with 93% as result was given in June 2020.

In this course he has learned about the aircraft rules, Civil aviation requirement, CAR 66, Aircraft System and Hydraulic system, Fuel system, Electrical system, Landing gear, Aircraft structure, Aircraft Inspection, Special Inspection, Daily Inspection, 50 hours inspection, 100 hours inspection, 200 hours inspection, 500 hours inspection, 5-year inspection. And this course which have completed under AICTE approved FDP course under IIT Kanpur.




## Jishan Shaikh



Assistant Professor Jishan K Shaikh, Department of Science and Humanities, Silver Oak College of Information and Technology, has presented online paper during 23<sup>rd</sup> - 24<sup>th</sup> July, 2020 on “Mathematical Model of Co-Current Imbibition in Homogeneous Porous medium in vertical downward direction” in “International Web Conference on Mathematics for Materials Science, Signals, Images and Structured Data” [ICMMSIS'20] organised by Department of Mathematics, Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu, India.

He also has to his credit paper presented online during 24<sup>th</sup> - 26<sup>th</sup> July, 2020 on “Numerical solution of Countercurrent Imbibition Phenomenon in Inclined Homogeneous Porous Medium by Polynomial differential quadrature method” paper presented online at “INTERNATIONAL CONFERENCE ON ADVANCEMENT IN INTERDISCIPLINARY RESEARCH, ICAIR-2020”, Organized by Forum for Interdisciplinary Research in Mathematical Sciences & Beena Mahavidyalaya, Jaipur, Rajasthan, India.

He has attended One Week Online STTP . On “Applications of Mathematical Sciences” during 13<sup>th</sup> to 18<sup>th</sup> July, 2020 as Department of Basic Science and Humanities Organized by K.D.K. College of Engineering, Great Nag Road, Nandanvan, Nagpur (Accredited by NBA and NAAC) in Association with Indian Society for Technical Education, New Delhi (ISTE).

He has also attended following webinars:

1. On 7<sup>th</sup> June, 2020 on “National Conference on Recent Applications of Applied Sciences & Humanities” Organized by Government College Satnali, Mahendergarh & Society of Scientific Research and Education.



2. During 17<sup>th</sup> to 18<sup>th</sup> June, 2020 on “Focusing on Mathematical Models and Analysis of COVID-19 crisis” Jointly organized by Office of International Affairs, The Maharaja Sayajirao University of Baroda and Lappeenranta University of Technology, Finland in Collaboration with Department of Mathematics, Statistics, Faculty of Science and Applied Mathematics, Faculty of Technology & Engineering & Institute of Interdisciplinary Studies, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India.

3. On 29<sup>th</sup> June, 2020 on “Reducing Errors in Decision Making” organized by Faculty of Business Management, Marwadi University, Rajkot, Gujarat.



## Student Achievement

**Kena Dave**

Proud Moment!!!

The online monoact event “SHOR” was organized by Punjab University (Engineering College), Chandigarh. Kena Dave, 4<sup>th</sup> SEM student of Aditya Silver Oak Institute of Technology participated in the event. There were almost 60 participants from all over India. Kena secured 3<sup>rd</sup> rank in India and 1<sup>st</sup> rank in Gujarat.

Congratulations from the entire Silver Oak family!!!



## Media Coverage



**SILVER OAK UNIVERSITY**  
EDUCATION TO INNOVATION



IN THE NEWS

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