



# THE SILVER OAK TIMES

Education to Innovation

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# PROJECT FAIR 2023

The College of Technology, Silver Oak University organized "Project Fair 2023" on 20th April for all the final year students of degree and diploma programmes. More than 1500 students took part in the project fair and showcased their hard work and talent. The students' enthusiasm was boosted by the evaluation of the displayed projects by the experts from various fields and by giving attractive cash prizes to 42 teams.

Along with project fair, March 2023 Edition of "SARJAN" - a Peer Reviewed Research Journal was launched.

Event coincided with the first ever International Education Expo 2023 where more than 15 esteemed foreign universities participated and guided students for their higher studies abroad.





# EDUCATION WEEK @

# IEEE

# SOU SB



In the spirit of celebrating IEEE Education Week and to provide first-year students with an insight into the challenging concepts of Mathematics, Programming and Physics, Silver Oak University IEEE Student Branch organized a session on "Fundamentals of Mathematics", "Fundamentals of Programming" and "Principles of Physics" at Apple Lab, Silver Oak University.

The session of "Fundamentals of Programming" was conducted by Prof. Sanket Shah and Prof. Gaurav Tivari, Department of Computer Engineering, SOCET; Mr. Divyesh Patel - student of 6th semester CE-MLAI and Chairperson, Silver Oak University IEEE Signal Processing Society Student Branch Chapter and Silver Oak University IEEE Computer Society Student Branch Chapter; Mr. Aum Pandya, student of ASOIT and Webmaster, Silver Oak University IEEE Signal Processing Society Student Branch Chapter. It was arranged on 5th April, 2023 having 47 attendees.

The session was guided by an esteemed speaker renowned for their expertise in the field of mathematics Prof. Manokamana Agarwal, an Assistant Professor at General department SOCET, led the session and shared her knowledge with the students. It was arranged on 7th April, 2023 from 10:30 AM to 2:30 PM having 47 attendees. The session was led by a luminary expert in the field of physics; Prof. Puja Sakhare, from General Department, SOCET on 8th April, 2023 having 20 attendees.

The sessions were an ideal two-way conversation where the experts' tireless efforts and dedication shone through as they managed to encompass nearly every topic on the curriculum. The students were also animated and didn't hesitate to ask questions.



# Enjoy The Audio ADVENTURE

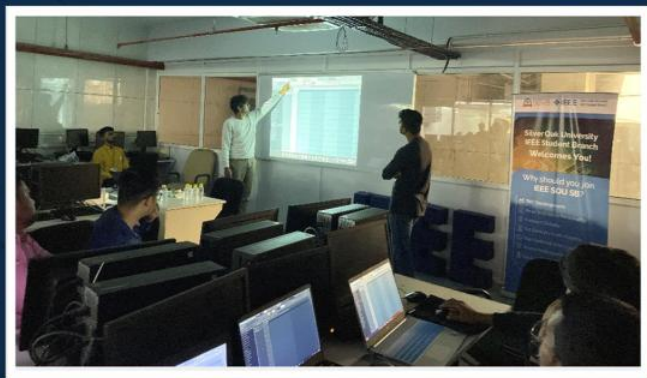
## A hands on workshop

Music is a universal language that has been an integral part of human culture for thousands of years. It is an art form that uses sounds, rhythms, and melodies to express emotions, tell stories, and communicate ideas. Music can be created and enjoyed in many different ways, from playing an instrument to singing in a choir, composing a symphony to listening to a favorite album. The Silver Oak University IEEE Student Branch planned an "Audio Adventure" event to demonstrate how various music tracks are produced using FL-Studio.

The session was led by a luminary expert in the field of music; Mr. Rishabh Rajgor, a Music producer and bassist at Silver Oak University having 47 participants. The speaker asked the audience about their interests in music and some of them shared about the kind of instruments they play. He then proceeded to explain how the music industry works and how songs are arranged.

He introduced the audience to the FL-Studio software and guided them through the basic settings of the app, providing an overview of its functions and features. Mr. Rishabh explained what music theory is, altogether with information about different types of scales, chords, notes and beats. Furthermore, he explained the difference between chords and melody and moved on to explanations about how different groups play chords and melodies in orchestra and also elaborated on different types of music such as jazz, rhythm and blues and many others.

This event provided an excellent opportunity for attendees to learn and expand their knowledge about music theory and music production. His expertise and engaging approach kept the audience attentive and interested throughout the event. The session inspired all the attendees to explore the field further and continue their musical journey with passion and enthusiasm.



# WORLD IPR DAY CELEBRATION

World IPR Day was celebrated on 26 April 2023 by IGNITE Incubation Center, Silver Oak University, Ahmedabad wherein the students and faculty members of the Silver Oak University participated. Information about patent, copyright, trademark was given by experts in this event. Mr. Manan Shroff, Senior Manager of Global IP at Intas Pharmaceuticals, was the keynote speaker. He provided insights on the rising trend of patent filings in India. He also gave information about; when to file patent application, criteria to obtain patent for invention and steps for grant of Patent in India

He clarified the subject through case studies. An MOU was signed with VERITE ASSOCIATES to allow IGNITE Incubation Centre and Silver Oak University to file additional patents. On the occasion of World IPR Day, innovators were encouraged to sign up to 60 new applications on a very large scale. Apart from this, the Ignite team provided details on the forms of support offered to startups. More than 100 students and educators took part in this event.



# Paperback Pals Book Club

## @ IEEE WIE

"Reading is a journey that crosses all barriers and takes you to fantastical worlds and different realms." Keeping that essence of real life, Silver Oak University IEEE Women in Engineering Affinity Group inaugurated the 'Paperback Pals' Book Club to appreciate notes and novels. This new journey of our readers started with the review of the book "Man's Search for Meaning" by Viktor Frankl. The review was given by Amman Chopadiya. It was arranged at Apple Lab, B Block, Silver Oak University having 20 enthusiastic participants.

To make sure that the session stays interesting and participatory, it is important that every individual who was involved was shown a short summary of the book, and then later on, all the participants gave their reviews on the book. While giving the reviews, all the participants paid utmost attention to each other so that they could understand the precise message that the author aimed to communicate.

A group activity was arranged to facilitate active participation and discuss thought-provoking topics related to Viktor Frankl's book, which was presented by a member of the group. This activity encouraged all participants to engage in insightful discussions and generated enthusiasm about upcoming book reviews. The session culminated in the announcement of all the books that are scheduled for review this year. This insightful session surely taught a lot to participants on the importance of reading and made a humane impression of the book on everyone's mind. It was very great to hear everyone's perspective on Viktor's (the main character's) journey and all the inspiring and valuable lessons that we could acquire from it.



# EDU TALK

## CLOUD 101

Silver Oak University IEEE Student Branch organized an Edu-Talk "Cloud 101: Get Ahead In Cloud", aimed at providing an overview of cloud computing and its significance. The session was conducted to provide members a comprehensive overview of cloud computing and offer practical guidance on how to deploy a website on Amazon Web Services.

The educational discourse was conducted under the aegis of Mr. Rushi Prajapati, Vice Chairperson of Silver Oak University IEEE Women in Engineering Affinity Group. The talk was delivered on 20th April, 2023 from 11:30 AM - 02:00 PM at Apple Lab, B-Block, Silver Oak University to 45 participants. The session was initiated by Rushi Prajapati introducing the concept of cloud and cloud computing emphasizing that it is not just a technology but a revolution. He explained the benefits and fundamental principles of cloud computing in highlighting its ability to revolutionize digital product deployment by eliminating the reliance on physical servers while also providing illustrations of platforms that leverage cloud computing, such as e-commerce and streaming platforms. The interactive and captivating live demonstration conducted by him on how to deploy an application on AWS left a lasting impression on the attendees, sparking a sense of wonder and exhilaration as they were exposed to the latest technologies and trends in cloud computing. The hands-on experience of using the deployed product was a revelatory moment for many, and the speaker deftly addressed any doubts and queries that arose during the session. As the event drew to a close, the participants were brimming with enthusiasm, eagerly participating in the spirited discussion and Q&A sessions, voicing their passionate curiosity and eagerness to explore further the endless possibilities of cloud computing.





# EDU TALK

## Mass Mailing and Mail Template Using HTML & CSS

Silver Oak University IEEE Student Branch organized an insightful Edu-talk on Mass Mailing and Mail Template using HTML & CSS. The talk was conducted to give members an inside view of Frontend Technologies. During the session, they covered various topics related to HTML, overview of Apps Script and techniques to retrieve data from the excel sheets.

Aum Pandya, Webmaster, Silver Oak University IEEE Signal Processing Society Student Branch Chapter and Om Patel, Webmaster, Silver Oak University IEEE Student Branch from Aditya Silver Oak Institute of Technology took this opportunity to deliver this talk. Their expertise in Web Development and Data Management made the session informative and insightful. The session was conducted on 27th April, 2023 from 02:00 PM to 03:30 PM at Apple Lab, B-Block, Silver Oak University having 55 participant members. The Edu-Talk was conducted with the purpose of developing students' interpretation on the use of HTML, CSS & App Script in Mass Mailing.

Om Patel commenced the session by asking some basic questions regarding HTML and introduced the topic. Also, he explained the importance of HTML tags and gave instructions on HTML architecture. During the session, Aum Pandya manifested some mails that were sent for previous events to impart more practical knowledge. Participants were interactive and enthusiastic during the Q&A session. Aum Pandya started the session on Mass Mailing and introduced himself. Attendees had doubts regarding the apps script, and the speaker cleared their doubts.

In conclusion, the EDU-TALK was a valuable learning experience for the attendees. Abhay Pisharodi; Chairperson of Silver Oak University IEEE Student Branch motivated students to organize more educational talks like this.





# FDP on

## Logic Development Programming

Faculty Development Programs play a crucial role in upgrading the knowledge, skills, and teaching abilities of faculty members. Such programs aim to provide educators with the latest teaching methodologies and techniques, empowering them to provide quality education to their students. It was organized by the Department of Computer Engineering, SOCET in association with Silver Oak University IEEE Student Branch.

The Faculty Development Program on Logic Development Programming conducted by Dr. Satvik Khara was an eight-day program that started on 10th April, 2023 and ended on 18th April, 2023 having 20 participants. The program provided an opportunity for faculty members from various branches of engineering to enhance their knowledge of C programming.

The program was divided into 14 hours of theoretical lectures and 18 hours of practical sessions, allowing the faculties to gain a comprehensive understanding of the fundamentals of C programming. The theoretical lectures covered essential topics such as syntax, programming structures, and file management, while the practical sessions provided hands-on experience with programming exercises.

Dr. Satvik Khara emphasized the latest trends and techniques in C programming, providing the participants with an up-to-date understanding of the subject. Additionally, the program focused on effective teaching methodologies and pedagogical approaches for teaching C programming courses, enabling faculty members to improve their teaching skills.

It was a well-designed program that provided faculty members with the necessary knowledge and skills to teach C programming courses effectively. The program was a success, and the faculties expressed their appreciation for the opportunity to learn from Dr. Satvik Khara's expertise in the field of C programming. With his vast experience and knowledge, Dr. Satvik Khara has inspired many students and educators to achieve success in their careers.



# TRAINING

@ Royal Enfield Center of Excellence

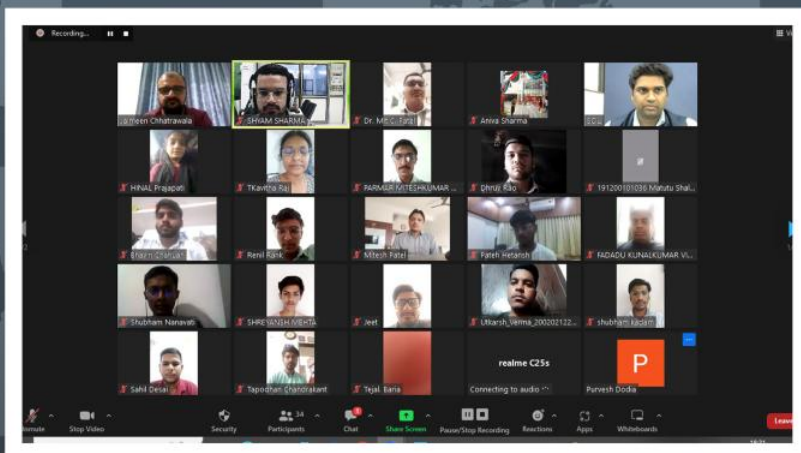
Royal Enfield Centre of Excellence provided basic training to the students of mechanical engineering and robotics and automation engineering of Government Polytechnic - Rajkot, GEC - Bhavnagar and GEC - Gandhinagar and Royal Enfield employees at Silver Oak University. In this 5 day technical training, the students of the mechanical department learnt various types of powertrain used in Royal Enfield, how to build an enfield engine from scratch, and different types of engine mods to improve the performance and reliability of the engine. Other than that, how the design of the bike makes the difference in riding was also focused on. Further the new BS norms and its changes on vehicle and environment were demonstrated. Major changes in electrical power with the help of an ignition charging circuit board with ECU, sensors and actuators were witnessed by the participants. They were taught how to correctly adjust valve timing of UCE, working and adjustment of clutch, lubrication systems and electronic fuel injection system working on live diagrams. Also different types of brakes and suspension and their working principles like hydraulic brake and drum brake, Telescopic and USD Suspension were too expounded. They received complete diagnosis training enlightening the future of the 2 wheeler industry with the incoming segment of EVs, Hydrogen cell and Flex fuels vehicles were also briefly discussed. After completion of the training at the training centre, students were sent to industry to gain real world experience by on job training at the dealership of Royal Enfield.



# A WEBINAR ON RECENT TRENDS IN **IOT** IN THE FIELD OF AUTOMATION

The Department of Mechanical Engineering, Silver Oak College of Engineering and Technology and Aditya Silver Oak Institute of Technology had organized a one-day online seminar on "Recent Trends in IOT in the Field of Automation" on 29th April, 2023. Total 35 participants had participated in this exciting event from Gujarat, Rajasthan, AndhraPradesh, Karnataka, Tamil Nadu, Maharashtra and it was graced by invited industrial experts working in the domain of Recent Trends in IOT in the Field of Automation, Mr. Jaimeen Chhatrawala, Sr. System Analyst, Optimized Solutions Ltd., Ahmedabad.

This one-day online seminar was about the basic of automation, Revolution in IOT, The industry 4.0 Now, What's new in market, IOT Enabling technology, IOT based solution, 5G Era etc. It brought a wonderful opportunity for participants to learn from field experts and gain a deeper understanding on how these technologies can be used to create unique identities with the use of IOT techniques.



# Towards a Greener Tomorrow



## - E-waste Collection Drive

In our commitment to ensure a greener tomorrow, SOCET, IT under White Oak Club, Silver Oak University along with ECS organization had organized "E-Waste Awareness and Collection Drive" on 24th April, 2023. Session was conducted by Mr. Hardik Mandora - Executive from ECS who briefed about e-waste and importance of E-Waste recycling and E-Waste reusability. It was attended by more than 300 students and faculty members. The ECS team collected a significant amount of e-waste. All the institutes of the university including engineering, management, science, etc. actively participated and disposed of their e-waste. With this Silver Oak University urges everyone to contribute towards the prevention of the environment by simple action of properly disposing of their old consumer durable products, its accessories or defective spares.



# IEEE

## SIGHT DAY CELEBRATION!!

A commemorative SIGHT DAY celebration was orchestrated by IEEE Gujarat section in collaboration with IEEE SIGHT Gujarat section and Silver Oak University IEEE SIGHT student branch group. The event encompassed a powerful and thought-provoking experience, providing valuable elucidation on a myriad of topics, including India's latent potential, creativity and the power of education and their formidable potency. The event was a great opportunity for attendees to learn from a distinguished speaker and gain inspiration for personal and professional growth. The ceremony was honored by the esteemed presence of several distinguished guests who added immeasurable value and prestige to the occasion. Hon. Shri P. K. Laheri, Managing Trustee of Sadvichar Parivar NGO and former Chief Secretary of the Government of Gujarat, was invited to the auspicious occasion. His significant contributions to the community and his prominent record of public service added grandeur to the ceremony. The event took place on 28th April 2023 from 10:30 AM to 01:00 PM at the Millennium Hall, B-Block, Silver Oak University having 186 participants. The group was eager to achieve its goals towards implementing innovative solutions and creating a positive impact on society. Additionally, the respected luminaries also launched NEWSNEST - The IEEE SOU SB Newsletter, which aims to provide the readers with a concise and remarkable overview of all the events and activities organized by IEEE SOU SB throughout 2022. The newsletter launch was an effective way to keep the attendees informed about the group's initiatives and it garnered a positive response from the audience. Subsequently, Hon. Shri P. K. Laheri was invited for his keynote speech where he discussed how India can harness its potential and focus on key areas such as education, innovation, and entrepreneurship to become a global powerhouse. The occasion marked a significant milestone for IEEE SOU SB with the inauguration of IEEE SOU SIGHT SBG, a forward-thinking initiative aimed at utilizing technology for the betterment of humanity. The gathering proved to be an enriching and thought-provoking experience for all those in attendance, with the opportunity to gain a deeper understanding of various topics, including India's potential, creativity, and the transformative power of education.



# FDP

## ON FUNDAMENTALS OF CLOUD COMPUTING AND ARCHITECTING WITH AWS

Cloud Computing has emerged as a game-changer in the world of Information Technology, providing an array of benefits to organizations worldwide. With the rapid advancements in cloud technology, it has become imperative for professionals to stay updated with the latest trends and skills in this domain. To cater to this need, Silver Oak University IEEE Student Branch in association with Silver Oak University; Department of Computer Engineering, SOCET; AWS User Groups, Silver Oak University and Silver Oak College of Engineering and Technology organized a 7-day program on the "Fundamentals of Cloud Computing and Architecting with AWS."

The program was led by expert speakers, Mr. Nilesh Vaghela, Founder of ElectroMech Corporation, an AWS Community Hero; Dr. Jay Dave, Associate Professor, Department of Computer Engineering, SOCET and Dr. Ravirajsinh Vaghela, Assistant Professor, Department of Computer Engineering, SOCET who guided the faculties through the latest industry trends, hands-on experiences, and best practices to build and manage cloud solutions. Duration of this program was from 10th - 17th April, 2023 having 45 attendees.

The sessions covered a variety of topics ranging from pedagogy and curriculum development to technology integration and research methodologies. The program also provided opportunities for participants to engage in hands-on activities and discussions, which helped to enhance their understanding of the topics covered. The inclusion of guest speakers and expert facilitators further enriched the program and provided diverse perspectives on the subject matter.

Overall, the program was successful in meeting its objectives of enhancing the professional development of the faculty members and equipping them with the necessary skills and knowledge to improve their teaching practices.



# TRAINING & INTERNSHIP HIGHLIGHTS

Keeping in view the quote "Practice makes a man perfect", this month the Training and Placement cell of the university conducted various mock interviews for B.Tech and BCA students pursuing bachelors in their second semester. Mock interviews include HR round, aptitude tests as well as technical rounds by our training experts team, the motive for mock interviews is to make students industry ready. T&P cell conducted mock interviews of more than 30 companies this month. 39 students from B. Tech (CE/IT branch) and BCA 2nd semester got placed as interns at various IT companies in technologies like HTML, web development, web designing, graphic designer, UI/UX developer, react JS, backend developer, Python, android IOS etc.



## Adroit Faculty!!

Dr. Mit C. Patel, Associate Professor in Mechanical Engineering Department, Silver Oak College of Engineering and Technology, Silver Oak University received Young Researcher Award in International Conference for Award Winners in Engineering, Science and Medicine, 15-16th April 2023 Pondicherry, India.

He also has to his credit a research paper entitled "Analysing the thermal performance of radiator using nano particles of  $Al_2SiO_5$  immersed nano fluids" in International Journal on Interactive Design and Manufacturing (Springer)(SCI and SCOPUS indexed) and he also published various research papers entitled "Modeling and Analysis of Wheel rim in MUV vehicle using CAD/CAE tools", "Investigation Of Conventional Rickshaw And Modify Design To Enhance Performance And Safety" and "Modeling and Thermal Analysis of Ceramic Ball Bearing Using CAD/CAE Tools" in International Journal of Research and Analytical Reviews.







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