



THE SILVER OAK TIMES

Education to Innovation

DECEMBER - 2022



VOLUME-6
ISSUE-12

contents

| | |
|--|-----------|
| Samvaad 2022 | 1 |
| Christmas Carnival “Diseno 2022 ” | 3 |
| Best Practices of IEEE Student Branch Planning and Operations | 4 |
| Pursuits @ RoCE | 6 |
| Strategic Maneuver @ Ignite Incubation Center | 7 |
| Secret Santa Celebration | 8 |
| Realize, Understand and Grow Rich | 9 |
| Training and Placement Activities | 10 |
| Faculty Feat | 12 |
| Student Accolades | 15 |

SAMVAAD 2022

"The great aim of education is not knowledge but action."

With the above quote in vision, College of Technology, Silver Oak University organized a multidisciplinary symposium "Samvaad 2022" for two days. The students, faculty members and research scholars of various branches of College of Technology got the advantage of acquiring knowledge from the academic and industry experts in their respective fields. Samvaad aims at presenting to the students a platform wherein they can have theoretical as well as practical exposure through hands-on sessions, seminars, workshops etc. sponsored by Gujarat Council on Science & Technology (GUJCOST), DST Government of Gujarat.

More than 200 participants from across Gujarat participated in this event. The workshops consisted of rich content and expert hands-on training on "Data analytics, Data visualization techniques , Mathematical computing & Python" at Information Technology department, "Recent Advances in the field of Electrical Engineering" at Electrical department and "Awareness on Cyber Security, Data Privacy & Cyber Law" at Computer engineering department in collaboration with IEEE Gujarat Section and IEEE GS Computer Society Chapter.

The collaboration of practical with theoretical knowledge made it suitable for all the participants to upskill their knowledge.





CHRISTMAS CARNIVAL

“DISENO 2022”

It was a great experience for the entire team of Silver Oak Institute of Design to organize the Christmas Carnival Design show named “Diseno 2022” on 24th December, 2022 on behalf of Anand Niketan School Satellite at their school campus. Apart from two workshops on Mud Mirror and Indigo Tie and Dye, the major attraction was a fashion show curated by the faculty members of SOID, Prof. Yash Shukla and Prof. Himanshu Singh with the help of paper and fabric draping. Hats off and Kudos to the faculty members of SOID who groomed the raw design aspirants of Anand Niketan School in just 4 days for the entire show. The event and the initiatives by SOID were highly appreciated by the Anand Niketan School authorities.



Best Practices of IEEE STUDENT BRANCH Planning & Operations

It's not about perfect, it's about effort, and when you bring that effort every single day, that's where transformation happens, that's how change occurs.

- Julián Michaels

Silver Oak University IEEE Student Branch believes in developing and inspiring its members to a large extent. To provide the students with great awareness about all the opportunities at their Student Branch's dispense, Silver Oak University IEEE Student Branch conducted an event termed "Best Practices of Student Branch Planning and Operations".

To guide the members through the event, the Student Branch invited Mr. Ramneek Kalra, IEEE Impact creator, IEEE Influencer, and Chief Editor of India Council Newsletter ,Vaani. He is a Computer Science Engineer and Proactive Volunteer at organizations such as IEEE Youth for Sustainability, Atal Innovation Mission and Human Circle. He is also an IEEE Young Professional holding responsibility of Impact creator, Chair of History and Research Subcommittee, Chair of IEngage Track, and Author at IEEE USA E-Books.

The session was arranged on 17th December, 2022 having 33 participants in the Apple Lab at Silver Oak University.

Mr. Ramneek Kalra was welcomed to the Student Branch of Silver Oak University with a bouquet of gratitude in a vigorous and enthusiastic manner. The speaker himself greeted the members with great excitement and eagerness to interact.

Mr. Ramneek Kalra introduced himself and shared his journey through ups and downs to success with all the present members. He greatly shared the benefits of being a Student Member as well as a Professional Member at the IEEE organization. Along with all the pros, he also provided the best resources for all Student Branches all over the world. The speaker showed the importance of communication and presentation skills in future professional life along with the opportunities of getting your research done and papers published. Mr. Ramneek Kalra engaged the students in a game that implied the significance of making connections as distant and deep as possible.

To end the talk, he sincerely explained the sequence and phases in conducting an event and answered all the questions asked by the upbeat participants. He was thanked by the Student Branch with a memento as a token of appreciation for his time and knowledge.





PURSUIT @ RoCE

Royal Enfield Centre of Excellence has conducted various training events in the month of December 2022. It arranged 15 day technical training for students of 5th semester Mechanical and Aeronautical department, where students learnt about various types of power train 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. In addition to this, they also got knowledge as to how a design of a bike makes the difference in riding. Other than that new BS norms and its changes on vehicle and environment were shown, major changes in electrical were also demonstrated with the help of ignition charging circuit board with ECU, sensors and actuators. The students were made to understand how to correctly adjust valve trimming 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 like Hydraulic brake and drum brake, Telescopic and USD Suspension and their working principle were explained. Also enlightening the future of the 2 wheeler industry with the incoming segment of EVs, Hydrogen cell and Flex fuels vehicles were briefly discussed with students in the training.



STRATEGIC MANEUVER @IGNITE Incubation Center

***"Strategy is not the consequence of planning,
but the opposite - its the starting point"
- Henry Mintzberg***

In line with this, on 11th December 2022, a meeting was scheduled with E-Cell of GEC Gandhinagar which was organized by E-Cell, Ignite Incubator Center and Co-working space. Various strategies and techniques were discussed to boost our E-Cell. We also promoted a startup called New-Way Biotech Pvt. Ltd. of Mr. Sagar Patel - Incubation Associate at IGNITE and decided to make future collaborations with them through events. Decision was made to connect all Gujarat's Incubators and the E-Cell during that meeting. An E-Summit was proposed that will encourage entrepreneurship in Gujarat during this meeting.



SECRET SANTA CELEBRATION

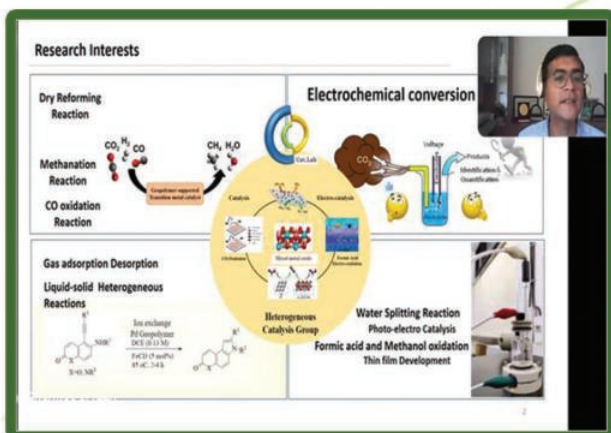
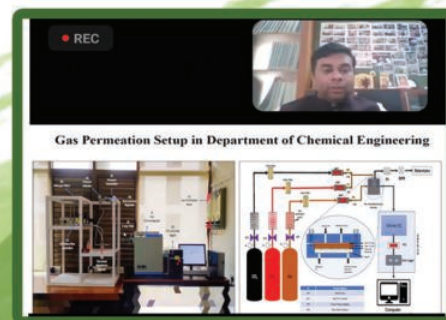
The Department of Animation and Multimedia celebrated one day "Secret Santa" with students on 22nd December 2022. Total 40 students participated in the one day celebration. Students participated and enjoyed in the various themes like singing, dancing, raping, comedy, acting and different decoration styles. They also received a secret gift from secret Santa.



REALISE UNDERSTAND & GROW RICH

Carbon dioxide, a type of greenhouse gas that filters into the atmosphere both naturally and from human activities which leads to several changes like global warming, deterioration of the ozone layer, and destruction of ecosystems. Reducing carbon emissions is important because it can help offset the dangerous and harmful effects on our environment- and at present its one of the world's most pressing challenges.

On this note, the Department of Chemistry, Silver Oak Institute of Science and Department of Chemical Engineering, Aditya Silver Oak Institute of Technology, Silver Oak University has jointly organized a webinar on "CO₂ Sequestration Technologies and CO₂ Utilization". The webinar was sponsored by GUJCOST and Silver Oak University. Conveners, Dr. Divya Jadav, Assistant Professor, Department of Chemistry, SOIS and Dr. Suhas Doke, Assistant Professor, Department of Chemical Engineering, ASOIT, have actively coordinated and made arrangements of the entire event with their team members. The key aspect of this webinar was to create awareness on recent global concerns about CO₂ emissions, how to reduce and utilize the major environmental pollutant like CO₂. The webinar included, invited renowned scientists to deliver their expert knowledge on this technology and to guide our audience for their future endeavor in the field of research for the benefit of our society. The efforts led to a successful end when our audience including science and engineering students, research scholars, industrialists and faculty members benefited with extra-ordinary knowledge and new pathways in this field.

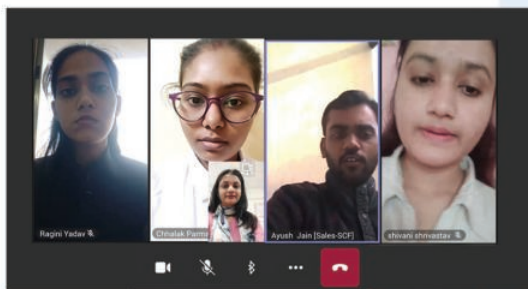


Internship and Placement Awareness

SSS Training and placement cell conducted INTERNSHIP & PLACEMENT AWARENESS sessions, for students belonging to various branches and courses. In total this month, TPO-Internship team conducted 2 awareness sessions for Diploma IT 5th semester; Science field, and BBA, MBA 3rd Semester and final semester students, with active participation of more than 220 students in total.

TPO-Internship cell conducted a mock drive session for BCA students from BSc-MSc, BBA and MBA final year. Companies like, Alpha E Barcode, Sedani Digital Pvt. Ltd; A.P. Biological, Reeya Analytical, HDB Financial Services came for campus selection.

TPO CELL conducted campus drives for students for all the branches and courses like B. Tech, BCA, B.Sc, M.Sc, etc. wherein the companies like Alpha E Barcode company arranged interviews for all the semester students of MBA, BBA, BCA directly at the location of companies like, Loanframe, Alpha E Barcode.



Placement Highlights

To have a glimpse of the placements in the month of December 2022, for batch 2022 and 2023, total 58 companies were invited for campus placement. Some of the notable recruiters were MIPL, Simplotel, Acedemor, Aha Solar Pvt. Ltd., Sophos, Jaro Education, Prime Apps, Eclinical Works, Brainybeam Technologies Pvt. Ltd., Mastek, Amara Raja Batteries Ltd (Arbl), Imeg Engineering India Pvt. Ltd., Trellissoft, Zeeta Electrical Engineering Pvt. Ltd. , Parshwanath Group , Sanghvi Movers Pvt. Ltd. ,Micromatic Machine Tools Pvt. Ltd. (Ace Micromatic Group) and other notable companies. The highest package offered was 8.46 LPA by Jaro Education and the average package was 3.5 LPA. The highest package in which students got selected was 4 LPA that was offered by MIPL.

In the month of December, 1 student got selected from the 2023 batch in MIPL.



FACULTY FEAT

Dr. Satvik Khara

Dr. Satvik Khara was invited as reviewer in the 1st international conference on Advancements in Smart Computing & Information Security (ASICS 2022) which was organized by Faculty of Computer Application, Marwadi University, Rajkot, Gujarat in collaboration with Springer CCIS and Gujarat Council on Science and Technology, Department of Science and Technology, Government of Gujarat. He was also invited as expert panelist at AWS Community Day, Ahmedabad on 17th December, 2022 at Dr. Babasaheb Ambedkar Open University and also as Session Chair at National Institute of Technology (NIT), Delhi for the 4th International Conference on Communication and Intelligent Systems which was held online during 19-20 December, 2022.



Dr. Jay Dave

Dr. Jay Dave, Associate Professor at department of Computer Engineering, Silver Oak College of Engineering & Technology, was invited as a session chair of 1st International Conference on Recent Trends in Smart Electronics System and Manufacturing (SEISMIC 2022) which was organised by Symbiosis Institute of Technology, Pune and sponsored by DSIR, New Delhi in collaboration with National University, Malaysia during 1st to 3rd December, 2022.



Dr. Devansh Desai

Silver Oak University congratulates wholeheartedly Dr. Devansh Desai (HoD, Physics Department-SOIS) for his exhilarating success in publishing paper entitled "Retrieval of Crop Biophysical-Biochemical Variables from Airborne AVIRIS-NG data using Hybrid Inversion of PROSAIL-D" in the international peer reviewed journal "Advances of Space Science". His academic publication reveals a sharp intellect and an observant nature.



Dr. Shital Thacker



Academics not only mean sole teaching and preaching to pupils. To keep updated, Silver Oak University takes special care for faculties to participate globally. In such mandate profile, Dr. Shital Thacker has successfully participated in a hands-on training program on, "Current Trends in Food & Drug Analysis: Emphasis of Forensic Perspectives", held under the initiative, synergistic Training Program Utilizing the Scientific and Technological Infrastructure held at National Forensic Sciences University, Gandhinagar.

She has participated in 36 hours GSBTM sponsored online Faculty Development Programme in Recombinant DNA Technology (Batch XXII) organized by C G Bhakta Institute of Biotechnology, Uka Tarsadia University, Bardoli, Gujarat.

Prof. Utsav Yagnik



It is immense pleasure to inform that Prof. Utsav Yagnik, Department of Electrical Engineering, Aditya Silver Oak Institute of Technology, has been associated with PhET as a trusted translator during September – December 2022. This group of PhET translators contributed 788 new sim translations along with several teacher tips and web pages across the languages. Among these translators, he was the only translator from GUJARAT & translated 8 HTML simulations in GUJARATI language. The association is ongoing and the website of PhET is currently translated to GUJARATI by him and it will be published once completed.

Prof. Rakesh Patel



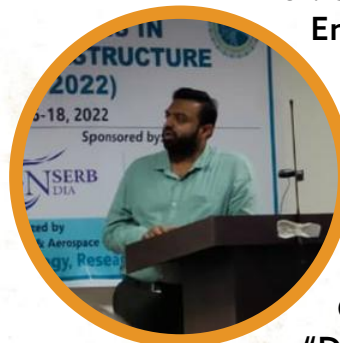
Prof. Rakesh Patel has participated in the National Assessment and Accreditation Council (NAAC) sponsored "Two-day virtual Conference on Quality Enhancement of Institutions of Higher Learning: Transformational Role of NEP 2020" organized by the Internal Quality Assurance Cell (IQAC). St. Aloysius College, Elthuruth, Thrissur, Kerala.

Prof. Nidhi Rana



Research is however beneficial for an academician to have index growth. Nidhi Rana participated and presented poster entitled "Microalgae: A work of fiction for Nutraceutical Beta carotene" at International Conference on Food, Agriculture, Science and Technology (INCOFAST- 2022) on 2nd and 3rd December 2022 organized by Ganpat University (GUNI), Gujarat, India. She has also participated in 36 hours GSBTM sponsored online Faculty Development Programme in Recombinant DNA Technology (Batch XXII) organized by C G Bhakta Institute of Biotechnology, Uka Tarsadia University, Bardoli, Gujarat, from 17th November to 29th November, 2022. The FDP was quite important adding upon an extra knowhow about rDNA technology which adorned upon the information to existing syllabus.

Prof. Swapnil Vegad



Prof. Swapnil Vegad, Assistant Professor, at the Department of Mechanical Engineering, Aditya Silver Oak Institute of Technology has presented research papers in the field of Designing, and bearing fault diagnosis at the 4th International Conference on Recent Advances in Mechanical Infrastructure (ICRAM) 2022 organized by Institute of Infrastructure Technology, Research & Management (IITRAM) and Indian Institute of Technology - Bhilai (IIT - Bhilai). He has presented papers having the titles "Identification of Faults in Ball Bearing using Maximum Overlap Discrete Wavelet Transform and Mutual Information", and "Design of the Tie Bar for the 250 Tonne Injection Moulding Machine".

Mr. Keval Bhavsar



Mr. Keval Bhavsar, Junior Research Fellow, from the Department of Mechanical Engineering, Aditya Silver Oak Institute of Technology has presented a research paper in the field of Optimization at the 67th conference Indian Society of Theoretical and Applied Mechanics (ISTAM) 2022 organized by Indian Institute of Technology - Mandi. He has presented a paper having the title "Kinematic Analysis Based Comparative Study and Development of Modified Theo Jansen Linkage (MTJL)".

His below mentioned research articles are also published in the 4th International Conference on Recent Advances in Mechanical Infrastructure (ICRAM) 2022 organized by the Institute of Infrastructure Technology, Research & Management (IITRAM) and Indian Institute of Technology - Bhilai (IIT - Bhilai).

1. Optimization of Process Parameters in FDM Process Using Design of Experiments for ABS.
2. Kinematic Study of Modified Jansen Linkage for Development of a Hexapod Robot
3. Identification of Faults in Ball Bearing using Maximum Overlap Discrete Wavelet Transform and Mutual Information.

Student Accolades

MS. MAHI PATEL

Miss Mahi Patel, a Ph.D. Student at Physics Department of Silver Oak Institute of Sciences, successfully completed training on "Bhuvan Overview" organized by National Remote Sensing Center, ISRO, Hyderabad.



MR. SMIT PANCHASARA & MR. AJAY YADAV

Silver Oak University proudly congratulates two of its students from Aditya Silver Oak Institute of Technology for their presentation of a research paper in the field of Robotics, Designing, and Additive Manufacturing at the 4th International Conference on Recent Advances in Mechanical Infrastructure (ICRAM) 2022 organized by Institute of Infrastructure Technology, Research and Management (IITRAM) and Indian Institute of Technology - Bhilai.

Mr Smit Panchasara, 7th Semester student from the Department of Mechanical Engineering has presented a paper having the title "Kinematic Study of Modified Jansen Linkage for Development of a Hexapod Robot".

Mr Ajay Yadav, 7th Semester student from the Department of Aeronautical Engineering has presented a paper having the title "Optimization of Process Parameters in FDM Process Using Design of Experiments for ABS".



Silver Oak College of Engineering and Technology
Aditya Silver Oak Institute of Technology
Silver Oak Institute of Management
College of Computer Application
Silver Oak Institute of Science
College of Commerce
College of Humanities and Social Science
College of Media and Mass Communication
College of Liberal Studies
Silver Oak Institute of Design
College of Animation and Multimedia
College of Paramedical
College of Vocational Education
Centre for Research
Centre for Vedic Studies

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