



The **SILVER OAK** Times

Education to Innovation

International Conference 2018



Silver Oak Group of Institutes organized GUJCOST & DST sponsored Two days International Conference on “Advances in Engineering & Technology” (AIET-2018)

This multidisciplinary conference aimed to promote technological progress and activities as well as to provide a platform for discussion and innovations in Engineering. It also aimed to create opportunities for engineers and researchers to enrich their technical competence and to share the research findings and experiences. The conference helped the participants to get aware of the latest developments in various branches of engineering. The participants were researchers, academicians, and industrialists.

Every track of the conference had their separate valedictory sessions where all the participants were given the certificates for presenting and publishing the paper in the journal and all the best papers were awarded by cash prize.

The two days enlightening discussions on current technologies and research areas enriched every single person associated with this conference with new insights and developed a new problem finding and thinking directions for everyone in different faculties of engineering, science and technologies.





I N D E X

International Conference 2018

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From
The Chairman's
Desk



Hello Friends,

Warm greetings from the SOGI family !

‘He who does not research has nothing to teach’

True to this thought, the faculties at SOGI are encouraged to spend significant amount of time to pursue their research interests. The Institute keeps organizing seminars/conferences/workshops to serve the purpose. This month the Institute organized International Conferences for two days on the college campus. The conference provided a platform where the faculties (both in-house and external) were introduced to new ideas and exposed to challenging brains; all of which impacted their professional self-confidence positively. Also, it gave them an opportunity to be applauded for their research work and more importantly, receive feedback, especially a good critique of their work so as to make it even better. The event proved to be a grand success.

Keep reading for more news at SOGI!!

Shital Agrawal
Chairman





From
Executive Director's
Desk



Dear Friends,

Greetings from the SOGI family!!

Silver Oak Group of Institutes as part of a vital strategy to be groomed in emerging research fields that may defy today's traditional academic classification. Tomorrow's challenges demand innovative and unconventional approaches that cross or dissolve the boundaries of classic disciplines. To serve this purpose the Silver Oak Group of Institutes organized the International Conference, which was a great opportunity to showcase & present the unique research ideas. Through this conference many scholars have built life-long network and research benefits.

Stay tuned for more news @ Silver Oak!!

Janak Khandwala
Executive Director





International Conference on Automobile Engine Mechanics" (ICAEM-2018)

Reading Make a Full Man;
Conference a Ready Man and Writing an Exact Man



An International Conference on Automobile Engine Mechanics (ICAEM), sponsored by **GUJCOST** was organized by the **Mechanical Engineering Department** of Silver Oak College of Engineering and Technology (SOCET) on 9th and 10th July 2018. The conference was held at the institute premises. The students and faculties participated in the conference and shared their research oeuvre. **Dr. Jeetendrakumar Vadher** (Professor, Government Engineering College Palanpur) was appointed as the session chair and the judge for the conference. Many aspirants from the Automobile branch, Mechanical, IC/Auto Branches shared and garnished the experience of this interesting occasion.

The 1st International Conference on Automobile Engine Mechanics played a crucial role in the life of the students as well as the faculties.





Summer School

Industry Connect 2018



CNC Machine Training

A great initiative has been taken by Mechanical Engineering Department of Silver Oak College of Engineering and Technology to avail a platform of sheer knowledge for the students. The main objective of this course is to reduce the gap between the theoretical and practical knowledge which is required for the industry level. An extensive course has been designed for industry trending topics in CNC and many more of around 50 hours, targeting to a productive outcome. The students are motivated and have shown a great intent towards the courses resulting in the active participation in the course.

The CNC machine training course has been started by the Mechanical Department from 14/6/2018 to 25/6/2018. More than 40 students have enrolled for these courses. The students have learnt about the CNC basics, various G codes & M codes, did the job on CNC and also the simulator practices. Apart from this one whole day session from industry expert also organized for the students where Mr. Manish Patel (Head CNC Programmer) Patel Alloys Steel Pvt. Ltd had visited our campus and guide the students for advanced turning Programs. Students participated actively during the training program and have learnt the things which is required for the industry needs.



Python

Under, CSR activity SOGI had organised Summer School Industry connect 2018 program for CE & IT students. Under which SOGI had offered various advanced courses such as PYTHON for web development.

Summer school was a great opportunity for Computer Engineering and Information Technology students to gain knowledge about all different languages which are indeed requirement for pursuing a placement.

We have invited Dr. Shyam Chawda for conducting advanced course on PYTHON for web development from 28th June 2018. Around 65 students were enrolled for the course which turned out to be a great success. All together nearly 60 hrs sessions had been given to students to understand and practice PYTHON. Mini projects had been given to students such as Tic-Tac-Toe, Guess the Number and many more.





Red Hat Day Celebration



The Red Hat academy of Silver Oak Group of Institutes organized and hosted "Red Hat Day" celebration on 6th July 2018. Due to the remarkable growth of Red Hat Academy of Silver Oak Group of Institutes in a span of less than one year Red Hat provided an opportunity to celebrate Red Hat day at SOGI Campus. The day was celebrated to embark the success of Red Hat certified students and take the journey forward by spreading awareness among students of 3rd, 5th and 7th semester. More than 120 students marked their presence. Honorable Chief Guest for the event was Mr. Shirish Pandey-leader of Asia Pacific - Red Hat Academy program who was accompanied by Mr. Nilesh Vaghela- Founder, Electromech Corporation. The event also marked the valuable presence of higher authorities of SOGI.

The Red Hat Day celebration included **Certificate Distribution** ceremony wherein **28 RHCSA certified students from SOGI** were motivated by giving certificates. Chief Guest Mr. Shirish Pandey shared his experience working with Red Hat Academy, benefits of Red Hat certification program and future opportunities for students with Red Hat certification. Prof. Satvik Khara threw a light on the journey of Red Hat Academy of SOGI. We feel esteemed

that Asia Pacific RHA team has initiated a 3-in-1 written RHA case study in which only 3 University / Colleges from all over India got shortlisted and RHA of Silver Oak Group of Institutes is one amongst them.

The event witnessed enthusiastic participation from the crowd in games like Red Hat Awareness Quiz, Game of Thrones, WordsWorth, Pictionary, Mad about Ads etc. Group Discussion was the major highlight of the event.



Honorable Chief Guest Mr. Shirish Pandey addressing the participants of Red Hat Day celebration



Prof. Satvik Khara sharing the journey of Red Hat Academy of Silver Oak Group of Institutes





Red Hat Day Celebration

Students participated actively in the discussion on the topic Android vs. IOS and Leader vs. Follower. Prof. Satvik Khara, HOD (CE) and Chief Guest- Mr. Shirish Pandey shared their point of view on the topic and showed their fervent participation. Participants were gifted with goodies from Red Hat upon winning. Under the segment of Student diaries the students certified by RHCSA shared their experience regarding training and certification. The response from the participants was overwhelming and encouraging towards planning future programs of similar kind.



Certificate Distribution by Dr. Pina Bhatt- Vice-Principal, Silver Oak College of engineering and Technology and Prof. Darshil Shah , Asst. Professor (CE)



Red Hat Academy Team of SOGI along with Red Hat Experts and Electromech Team



Certificate Distribution by Honorable Chief Guest Mr. Shirish Pandey and Dr. Saurin Shah- Principal, SOCET



Certificate Distribution by Dr. Shital Shah- Dean, Silver Oak Group of Institutes and Prof. Satvik Khara, Head of Department (CE)



Students doing Group Discussion on the topic Android vs. iOS



Students performing Act React Activity



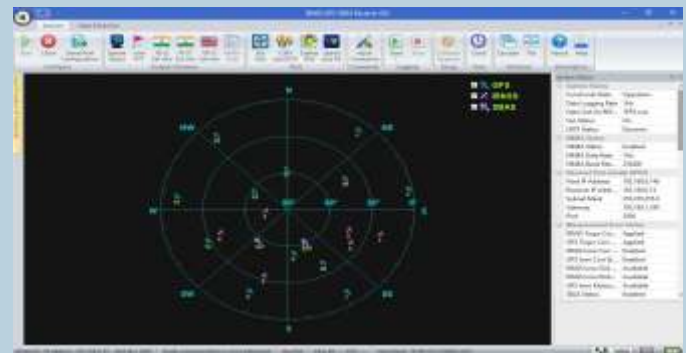


NavIC GaGan Applications and Technologies

NavIC Receiver at SOGI for R&D Purposes

Electronics & Communication Department of Silver Oak College of Engineering & Technology is prestigious enough that it has been provided with the “NavIC Receiver” from SAC/ISRO for Research & Development purposes and has now become **THE FIRST Self Finance College** having received NavIC for R&D. A workshop on “NavIC & GaGan Applications & Technologies” had been arranged at the college in collaboration with IETE chapter, Ahmedabad and SAC/ISRO. After the live demonstrations, the zeal, enthusiasm and curiosity of students and faculty to work on this receiver was incomparable.

This is a big milestone achieved by the department and the college in advancing in the fields of Engineering, Research & Development.



Navigation Indian Constellation (NavIC), which was earlier known as The Indian Regional Navigational Satellite System (IRNSS), is a regional satellite navigation system owned by the Indian government and being developed by ISRO.

It's a huge achievement and we celebrate it with warm hearts, sparkling eyes & curious minds to have hands-on sessions on the NavIC receiver.





ASME SOGI

"Knowing is not enough; we must apply.
Willing is not enough we must do."



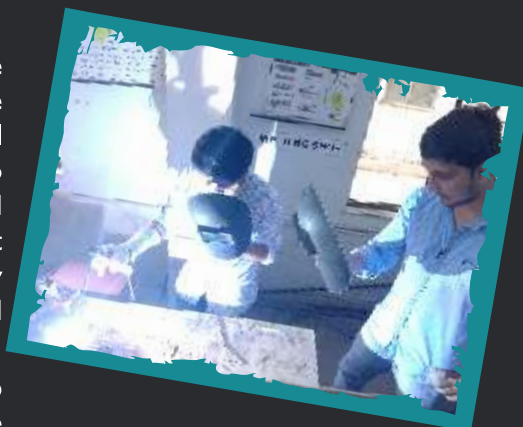
Welding Workshop

A workshop was held to identify the welding and joining needs or to give basic knowledge for Aeronautical and Mechanical students and to discuss the opportunities afforded by the ASME as well as Student Section to solve the needs by applying new methodology and knowledge.

The main objective of the workshop was to give hands on experience and knowledge of TIG, MIG, SPOT and Electric ARC WELDING, to make them aware about the precautions to be taken care while working with welding machine, to provide exposure to the students about safety and to improve students manufacturing skills.

Through this workshop students were made aware about ASME and its activities, events and conferences as well as how it helps them to enhance their skills for their bright career. They were given little glimpse of last year HPVC competition to bring excitement.

In first session theoretical knowledge was given to students and the second phase focused on the practical aspects. On second day during question-answer session the students were given chance to ask questions to clear their doubts.





Illuminate

Your Rights to Intellectual Property



Student Patent & Design Drive

EDUCATION TO INNOVATION

IGNITE organized a one day seminar on Patent / Design Application for Students of Silver Oak Group of Institutes as a part of ILLUMINATE – Your Right to Intellectual Property (Student Design & Patent Drive) on 23rd June 2018.

IGNITE is providing full assistance to file Industrial Design / Patent, to student for their innovative projects or Ideas. ILLUMINATE is a one day workshop to provide assistance for Idealization, Prior Art Search and Drafting during these one day workshop.





ISHRAE Chapter



Work-Life Balance for Working women



A seminar on “**Work Life Balance for Working Women**” was organised by ISHRAE Women Chapter Ahmedabad in association with Silver Oak Group of Institutes on 15th June 2018. Dhvani Mehta, member of ISHRAE Women Chapter gave a brief introduction about ISHRAE Women club and its benefits.

The presence of our Chief Guest and Speaker Dr. Ameer Upadhyay, renowned professor with PhD in English Literature, honoured us. Dr. Ameer made the seminar more interactive and briefly explained women should not balance their work life but rather they should enjoy it. From her 20 years of work experience she mentioned few real world examples where women needs to improve their perspective regarding the women's role in the society. Moreover, she advised that every woman should have their personal identity and work according to the priorities. This seminar focussed on educating women to percolate the positive effects to her family, community, society and the whole nation. Almost 115 women faculties participated in the inspirational seminar.

Industrial Visit



Mechanical Engineering students registered under ISHRAE went to industrial visit at Ethos HVAC pvt. Ltd.,an air engineering fabrication firm on 30-06-2018. It deals in fabrication of AHU (Air Handling Units) only. Firm deals in assembling AHU according to consumer's requirement. They were guided by planning engineer there in industry.

Visit started from assembly workshop. They were fortunate to witness different processes like cutting, bending and different NC tools. Our students were also introduced to how AHU are assembled according to needs, how accessories are

added like damper, filter etc. And how purity of air is controlled.

They also visited coil department. There they learned, how coils are joined, how copper pipes are cut to fit into coil. Then this coil is been tested with nitrogen gas. Nitrogen gas is filled at pressure in copper coil for accuracy.

Most of the processes performed there were manual so it served as a huge advantage to students as they exactly understood the working principle of each and every process”





Short Term Training Program



**It's all to Do with the Training:
You Can Do a Lot if You're Properly Trained.**

Empowerment isn't a buzzword among leadership gurus. It's a proven technique where leaders give their teams the appropriate training, tools, resources and guidance to succeed. The purpose of training is to tighten up the slack, toughen the body, and polish the spirit. On the same note some of our faculties of Mechanical Engineering department of Aditya Silver Oak Institute of Technology undergone a Short Term Training Program.



Prof. Umang Parmar

Assistant Professor Umang Parmar, has attended the Short term training program from 2nd to 6th July, 2018 on "Application of MATLAB in Mechanical Engineering Analysis" as a part of improving knowledge in the field of MATLAB, organized by IIT-RAM, Ahmedabad.



Prof. Jay Khatri



Prof. Karan Dutt



Prof. Srushti Bhatt

Assistant Professor Srushti Bhatt, has attended the summer school programme during 18th to 24th June, 2018 on "Machine Learning" as a part of interdisciplinary approach, organized by IEEE section at DAICT, Gandhinagar.

Prof. Jay Khatri and Prof. Karan Dutt benefited from a one Week STTP Program on "Robotics and Control" was organized at BVM Engineering College, Vallabh Vidyanagar from 4-9 June 2018. This workshop comprised of giving the participating faculties brief idea about Industrial Robots, Theory of Robotics, Types of Robots and their applications, Research scope in Robotics, Introduction to Arduino and Raspberry, Live demo of ScorBot Robot.





Activity Based Learning



Hadoop Architecture

This activity has been organized by Prof. Murti patel on 17/07/2018 in 7th IT class. The subject of the event is Video lecture on Hadoop Architecture and how HDFS works practically. The objective of the event is to gain basic knowledge of how hadoop actually works. Our students were able to understand hadoop architecture, gain knowledge as to how the huge amount of data is managed through big data analytics and the business benefits of Hadoop.

Heap Sort

A video lecture was planned on Heap Sort for our 5th semester IT students by Prof. Murti Patel. The event was arranged with the main objective of gaining basic knowledge of how sorting is effective by Heap Sort and analysis of Time and Space Complexity of Heap Sort. The students were made to perform heap sort algorithms. They too compared it with other sorting methods. Students got a deep insight on Heap Sorting.





IEEE SOCET

Students Branch



PC Building Workshop



IEEE SOCET SB

The workshop was on 23 June 2018, at 11.00am in Newton Hall. Chirayu Desai and Abhishek Zala were the hosts of the session for 60 participants. The event was commenced with the power point representation of whole PC building which includes information about each component, disassembling and assembling techniques etc. And After the power point representation, there was a live practical on PC, using the camera, was shown on the projector.

Block Chain

We just closed this week with an Expert Talk. The Computer Department of Silver Oak College Of Engineering & Technology had organized an expert session on in association with IEEE SOCET student branch on 30th June (Saturday). The session was conducted by Mr. Daxeel Soni who is renowned for his prodigious knowledge on Blockchain and is also the creator of world's first Blockchain Learning Interface – #BlockShell. More than 100 participants benefited by this session with demonstrations about Blockchain Technology, various Cryptocurrencies, BlockShell Interface and diverse mining technologies using Blockchain.





Hyperledger Composer

IEEE SOCET SB had organized a hands on session event on Hyperledger Composer for IEEE & Non-IEEE members.

The whole session was conducted by **Varun Lashkari** who is having prodigious knowledge in Hyperledger Composer imparted the information & knowledge regarding the upcoming innovations.



Basics of MAC and IOS



A session on MAC & IOS was conducted by JHEEL and RIKIN THAKKAR, members of IEEE SOCET at the **APPLE LAB**. The event was started by giving the information about turning on the PC and various hardware components. He gave comparison between WINDOWS and MAC OPERATING SYSTEM. He started giving the brief information about toolbar and its components which includes finder, siri, launch pad and xcode. The basic difference between the syntax of C and Swift programming language was taught. The main idea behind this session was that the students must have a basic idea of MAC and IOS. The participants gained fruitful knowledge at the conclusion of the session.





Faculty Achievement



Assistant Professor, Dhruv Patel Mechanical Department of Aditya Silver Oak Institute of Technology Published his Paper “Development Of 3D Printed Human Collar Bone Fixture Plate Implant Classified By Individual CT And MRI Scan Digital Database” at International Conference on recent innovations in electrical, electronics, computer and Mechanical engineering held at Pune, India on 17th June 2018.

Prof. Vimal Nayak of Electronics & Communication Department has been selected as a reviewer in one of the renowned journal JETIR which is UGC, ISSN, DOI and creative common approved, having the impact factor of 5.87.



Prof. Meet Bakotia of Mechanical Engineering department presented a research paper on “Adopting Quality Culture in Educational Institutes” in 1st International Conference on Advances in Engineering and Technology – 2018 on 9th July 2018 and also won best paper award in the international conference.

Prof. Mit Patel, Mechanical Department is Recognized as the Reviewer for Institute for Exploring Advances in Engineering (IEAE) International Journals on 12th July 2018.







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SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY

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