



The **SILVER OAK** Times

Education to Innovation



SAMVAAD-2017

Silver Oak Group of Institutes believes in “Education to Innovation” and as Steve Jobs has rightly said, “Innovation distinguishes between leader and a follower”, with this insight every year our institute organizes **SAMVAAD**- Three days state level Multidisciplinary symposium.

“**SAMVAAD**”- aims at providing opportunity to young academicians and professionals to improve their knowledge and awareness of the most recent technologies and contribute in bringing about innovation in their respective field. The symposium not only includes thought-provoking sessions and discussions at the three days seminar but also includes demonstrations, workshops and hands on sessions to enhance the knowledge of participants in the core areas.

The symposium targeted all disciplines like Computer,

Information Technology, Electronics and Communications, Electrical, Chemical, Mechanical, Civil & Applied Science and Humanities. **400+ participants** from the institute and other colleges of Gujarat had attended the symposium.

The first day was marked with the inaugural ceremony which was graced by the presence of **Dr. Ambadas Udhavrao Digaraskar, Director IIT-RAM, Ahmadabad**. He with his wisdom enlightened the spectators with the importance of time management and emphasized that **Change is the only constant in life**. We also had with us **Dr. G. P Vadodaria, Principal LDCE, Ahmadabad** as our guest of honour.

The sessions witnessed the presence of 35 eminent speakers from across the country.



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From The Chairman's Desk



Hello Friends,

विद्या ददाति विनयं विनयाद्याति पात्रताम् ।
पात्रत्वाद्धनमाप्नोति धनाद्धर्मं ततः सुखम् ॥

Knowledge gives humility, from humility, one attains character; from character, one acquires wealth; from wealth good deeds follow and then happiness in pursuit of Knowledge. **Samvaad 2017**, a 3 day multidisciplinary symposium organized by Silver Oak Group of Institutes with the motive to share knowledge which has now become our culture. Faculties every year get this opportunity to take a break from their routine academic tasks and spend quality time with experts from industry and academia to enhance their knowledge and impart the same amongst the students. The New Year has started with detection of knowledge and to transmit knowledge through Train the Trainer programme. Along with this, Ignite's innovative and creative activities, expert talk to augment the knowledge and various conclaves for generating and collaborating academic thoughts were organized in Silver oak Group of Institutes. Overall the month witnessed a full fledged knowledge exchange environment in the campus.

Happy Reading...

Shital Agrawal
Chairman.





From Executive Director's Desk



Dear Friends

“Strength and Growth comes through continuous Efforts and Struggle”, rightly proven by the students of Silver Oak Group of Institutes who have won various awards and trophies be it academics or competitions in the field of innovations. It is a matter of that they perform well and added quill in the institution's hat. Institute also celebrated the Engineer's Day, 'Engineers' who discovers the world with their pen and brain and fulfill their dreams. Along with excellent and innovative engineers our students are guided to be good humans first and become socially responsible. Our SEEDlings, who are the members of our students' organization- SEED, had surprised needy people by becoming their Secret Santas and spread million smiles amongst them. We nurture humanity!

Keep exploring Silver Oak through the Silver Oak Times...

Janak Khandwala
Executive Director





Learning Transformation in Engineering Educations

Conference@Bannett University

Silver Oak has already started the movement towards Transforming the Engineering Education, starting with lighting a small candle in the form of training a team of 30 enthusiast in Learner Centric approaches in teaching-learning methods by experts from NITTTR. Not missing any opportunity that comes on its way, a team of 12 faculty members headed by Dr .Siddharth Jadeja, Principal, Aditya Silver Oak Institute of Technology to attend the Fifth International Conference on Transformations in Engineering Education (ICTIEE) at Bennett University, Greater Noida from 4-6th of January.

The conference was jointly organized by IUCEE (Indo Universal Collaboration for Engineering Education), Bennett University and Thiagarajar College of Engineering. The 3 day conference was in fact a wholesome dose for an academican who wants to be a part of this transition journey as there we expert sessions on almost all aspects of Engineering Education; Plenary talks by Industry Experts, Workshops and handson, exposure to new inventions and tools in teaching engineering with research paper and poster presentations. It was a great and even a rare chance for the Silver Oak team to meet international level academicians, researchers and industry people on the same floor. Meeting faculties from PURDUE UNIVERSITY, MICHIGAN STATE UNIVERSITY, PENNSYLVANIA STATE UNIVERISTY, BOSTON UNIVERSITY, TENNESSEE UNIVERSITY, SAN JOSE STATE UNIVERSITY, ARIZONA STATE UNIVERSITY, UNIVERSITY OF ARKANSAS, UNIVERSITY OF MARYLAND, AUSTRALIAN CHATHOLIC UNIVERSITY and many more including the premium institutes in India



"William Oaks from Purdue University discussing with Silver Oak faculties"

like the IITs gave the faculty team to interact with them personally and apart from getting the best knowledge from them they got a opportunity to build-up a rapo for further collaborations.

The team had briefed about the outcomes of the conference to its 200+ faculties which is a custom of the Institute. Such Participations and faculty development programmes would help us to build up an **ecosystem for transforming engineering educations** and thus build up the gap between industry and academia and groom REAL ENGINEERS who are industry ready.

Silver Oak is now a Partner Institute to IUCEE-EPICS, in Partnership with EPICS- Purdue University.

Silver Oak is gearing up to promote Engineering Project In Community Based Solutions under the guidance of Dr. William Oaks, Director- EPICS, Perdue University.





Train the Trainers

We believe that knowledge grows by sharing it. The 30 faculty member team who received the training from the experts from NITTTTR on Outcome Based Education and Learner Centric Teaching-Learning Methods, passed on the acquired skills to its 200+ faculty members on the campus.

The five day training schedule was compressed into 3 days sessions and the 30 member team was divided into 8 groups who conducted the same session for their fellow colleagues who were again a team of 30-32 members. Such a mega faculty development programme depicts a clear message that Silver Oak is proactive towards Transformation in Engineering Educations and inculcating outcome based education in its main stream teaching methodology.



Team Silver Oak is now well equipped with tools for an effective teaching-learning to assure quality and excellence in the outcomes of their every effort.





Creativity is the Power to Act

IGNITE Incubating the Future GIRLSCRIPT INDIA SUMMIT 2017 AT SILVER OAK

IGNITE through its efforts have been always a frontrunner in inculcating creativity and entrepreneurial qualities in the students of Silver Oak

GirlScript Foundation organised a two day Summit and Hackathon, GirlScript India Summit 2017 on 16th and 17th December, 2017 hosted by Silver Oak College of Engineering & Technology as a venue partner. It included the finest speakers from the technical industry and some successful women entrepreneurs who share their story and how it feels like to be a women entrepreneur in India.

The Summit was India's first Women Oriented Technical Fest with an ambition to celebrate knowledge, women, technology, innovation and simultaneously spreading a message of equality in tech





THINK WITH THE BOX

This event was all about thinking within a box! Participants designed the box for a new product (even one that will never be sold in a box) and they came up with the USP, product features, pricing and how to communicate with your customers through this hands-on designing experience.

Objective of the event was to help students learn the basics of product development and marketing and How to present a product or service to a customer, highlighting product features and benefits.





IGNITE - SILVER OAK at 25th NATIONAL CHILDREN'S SCIENCE CONGRESS

National Children's Science Congress (NCSC) is a nationwide Science Communication programme started in the year 1993. It is a forum for children of the age-group of 10-17 years, both from formal school system as well as from out of school, to exhibit their creativity and innovativeness and more particularly their ability to solve a societal problem experienced locally using the method of science.

The event was happening from 27th-31st December, 2017 at Science City, Ahmedabad. The team of IGNITE - Silver Oak was representing at the Exhibition Hall 2, Opp. Main Convention Hall. Various projects and start-ups were displayed and available at the venue.





SCALE-UP FUNDING PROGRAM: INITIAL SCREENING OF IDEAS:



Under the Student Start-up & Innovation Policy (SSIP), we at Ignite - Silver Oak have initiated the Scale-Up Funding Program where the selected start-up ideas will be funded for upto Rs. 50,000. The initial screening of the ideas was carried out where 40 such ideas were received from SOCET & ASOIT.

TiECON 2017: DELHI-NCR:

Government of Gujarat (GoG) selected few start-ups to represent under the Gujarat Start-up Scheme 2015 at the biggest start-up conference of the year TiECON. This year, TiECON was held at Taj Diplomatic Enclave and I-Automation was selected to represent Ignite-Silver Oak. Dignitaries included from Angel Investors, HNI's, Bureaucrats, Ministers and Start-ups from across the nation.









City | AhmedabadMirror

Engg students add a twinkle to Uttarayan

Ban on sky lanterns prompts 4 EC students to develop LED lights that can be stuck on the kites for the tukkal-effect



The students claim kite lights are cheaper, safer option at Rs 20/piece

Brendan.Dabhi
@timesgroup.com
TWEETS @BrendanMIRROR

Are you among the kite enthusiasts who were bummed when the sky lanterns (tukals) were banned? So were four engineering students who feel the sky lanterns are an integral part of the Uttarayan fun. So, they put their heads together and came up with a solution: Kite lights! What are they, you wonder? Designed by Dhruv Nayak, Yashpal Chauhan, Jignesh Thakor and Soham Bhardwaj, the kite lights are actually light-weight LED lights powered by button cells that can be stuck on the kites. The group exhibited the lights at the National Science Congress held at Science City in from December 27 to 31 and is in talks with wholesalers to make the lights available in market before Uttarayan.

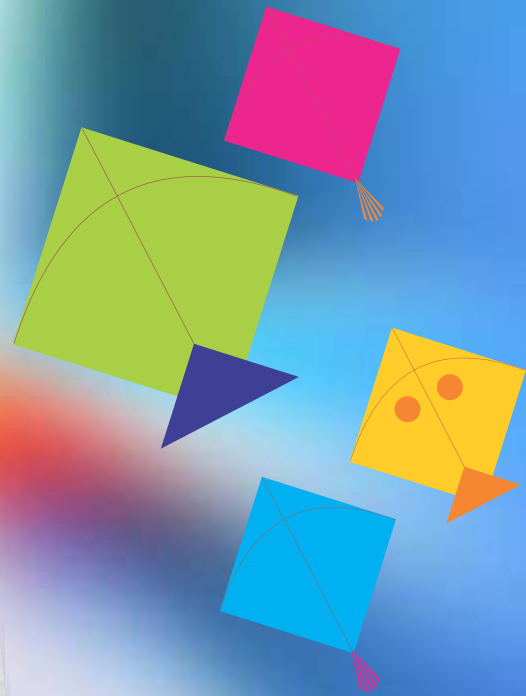
Nayak explained: "The size of the sticker is 8X4 centimetres and it weighs just 5 grams, so it has no bearing on the

ability of the kite to fly. There is no fear of fire so these are really safe. Also, these are pretty cheap at Rs 20 per piece." He added that the group is planning to get the product patented.

The students, all from Silver Oak Engineering College, developed the lightweight prototype under the guidance of Kalp Bhatt, the head of the college's incubation centre - IGNITE, and have tested it in the night sky at the range of 300 metres. Chauhan said, "All of us love to fly kites but without tukals, the festival seemed lackadaisical. The LED stickers allow us to bring back the Uttarayan twinkle without causing any harm."

The students give their college all the credit for helping them develop the product. Thakor said, "The college believed in our project and gave us the funding to develop the light. They also provided us the space to work and a guide."

In 2015, HC had banned sky lanterns, noting that these small hot-air balloons, launched on the occasion of Uttarayan, are known to start fires.





Outcome Based Education



Expert talk on Future Trends of Benifited



“Your Future is created by what you do today, not tomorrow”. Considering this fact Silver Oak Group of Institutes had invited Mr.Ashok Bharti, Field General Manager of Central Bank of India & Mr.Ankit Bharti, who is IIM Alumni & pre-sales consultant at Avali Solutions. He has also worked as Marketing Manager at Goibibo.

In today's world of work, where technological advancement & automation is the heart of the industry. Mr.Ankit Bharti is currently working in the area of automation which has direct influence on the nature of jobs and market trends that will get affected in near future. He enlightened the students with future trends of jobs like Artificial Intelligence, Automation, and Internet of Things (IOT) etc. The students were extremely benefited with the session.



Mr.Ashok Bharti Enlightened the students for various jobs.





WORKSHOP

Interactive Workshop on Product Innovation and Smart Manufacturing, IIT Gandhinagar

To synchronize with the modern trends and practices in technical fields, it is essential to regularly attend the training programmes and workshops, organised by various reputed institutes and organizations.

Concerning to this, 11 students of Mechanical Engineering Department are accompanied by Prof. Rushil Shah and Prof. Dhruv Patel to IIT Gandhinagar, about the present industrial scenario and assets which student must have as a



Interactive Workshop on Product Innovation and Smart Manufacturing at IIT Gandhinagar as a Mechanical Engineer.





Campus to Corporate



With the advent of New Year- 2018, the TPO team at SOGI has planned a lot initiatives and activities for the on going training and placement process. There had been plethora of activities on both the fronts i.e. Training and Placement.

On the placement front we had myriad companies scheduled every day at our SOGI-Silver Oak Group of Institute's campus. For the very first time we had new range of premium companies at our campus for recruitment such as **IOCL-Indian Oil, Adani Group, IBM, Maruti Suzuki** to name a few. Apart from the above mentioned brands we had our regular recruiters Klockner Desma, KCT Consultancy Services, Rajarshi Engineers, Real Boilers, Shreeraj Industries etc conducted their recruitment drives. Overall we had 20 plus companies at our campus for recruitment in the last month. In

the mean time BYJU Group conducted Pool Campus with a package of 9 L.P.A. Overall we had **40 plus students placed in the last month.**

Moreover, we were equally active with the training domain as well. Classroom sessions are in progress from 26th December 2017 onwards and till date we have covered 110 plus classroom sessions. It directly impacts and improves the employability of the students. Moreover, we have conducted 10 plus mock drives intending giving indepth and rigorous practice with respect to Resume Building and P.I.-Personal Interview.

Internship has always been an integral part of practical learning in the students' academic life. We have successfully placed 790 students in 340 premium companies for one month Winter Internship. Few of the premium companies where our students are pursuing internship are **TATA Motors, I.O.C.L., ESSAR Oil, O.N.G.C., I.S.R.O. L&T, HINDALCO, IFFCO, T.C.S. & others.**

Under the aegis of TPO Cell we have taken few more initiatives such as sending an article for reading for our dear faculty members on daily basis. This will boost the language learning and understanding for the varied subjects like Soft Skills, Finance, Arts, Commerce etc.





Selected Students in Sarjen Systems



Kushal Sejpal



Shraddha Pathak



Shreya Shah

Selected Students by Shreeraj Industries



Abhishek Rajput



Dhruvin Suthar



Eajaz Shaikh



Hardik Vala



Parth Kareliya



Pradumansinh Bhati



Sendha Desai



Zafirul





IEEE SB Activities



Interaction with News Channel

As the 14th Gujarat Legislative Assembly Election-2017 was getting closer, the enthusiasm in youth, especially in the students was seen. To know the perspectives and expectation from the students ABP, GSTV, and Sandesh news channels marched towards the Silver Oak College of Engineering and Technology.

The reporters started asking questions to the students. Students faced questions like, what are their expectations from the new Chief Minister, what changes would they want in society and education. To this student answered that they would like if their new Chief Minister or the party would focus on developing students practical skills in their respective fields. Also, students wanted if they would be more encouraged for sports.

Further female students were asked if they had any needs or expectations from the new Chief Minister, to which they replied enthusiastically that they wanted equality, help in studies as well as transportation.

As for the conclusion, the students of Silver Oak College actively answered the question of the reporters.





Student Centric Activity



Winning Takes Talent, to Repeat Takes Character

Team SPARKX at Coimbatore for ENDURO STUDENT INDIA championship

ENDURO STUDENT INDIA is an off-road vehicle student design competition bred from the need to train engineering students on practical aspect of building something with their own hands and also train them on the science of team management. The sponsors of the event were GABRIEL, SIMSCALE, ALTAIR-HYPERWORKS, DASSAULT SYSTEMS SOLID WORKS, SCOLARIAN BIKES, CARBON LIGHT and SPLIT FIRE along with collaboration with; The Federation of Motor Sports Clubs of India (FMSCI). This championship consists of various dynamic, as well as static events followed by Endurance race of 4 hour. 79 prestigious colleges across India were participants in the event.

Team SparkX was only the 2nd team in the event to successfully clear the Technical Inspection along with Engine

checks. The team was able to clear the Brake Test and Crawl Test to participate in dynamic events such as; Acceleration, Maneuvrability and Dirt-X followed by Endurance test of 4 hour. Among the 79 participants, our team was selected as a Design Finalist and secured 5th position with an award and prize money. The team has also secured 1st position in Maneuverability and 1st position in Overall Dynamics, winning awards and prize money for the same. Overall "MACHETE 4.0", the All-Terrain Vehicle designed and fabricated by Team SparkX won 3 awards and prize Money for outstanding performance in the dynamic events, as well as, static events.

Well done team SPARKX!





Linkage : Academia to Corporate

Industrial Visit @ Amul Dairy

In today's world, it is very important to have practical knowledge, just knowing the laws is not enough to make a machine work. It takes a lot of small details and practical know how about any device. To encourage and develop practical learning aspect among students of 4th semester Electrical Engineering, on 12th Jan 2018, were taken for industry visit, AMUL Industries, the only company manufacturing FANS in Gujarat.

Students learned numerous things starting from designing a fan according to requirement to testing each product manufactured. Students also learned winding and wiring. They also had the opportunity to see the complete making of fan including its basic components (Stator and Rotor)

Such industrial visits help students to visualize and understand the difference between just learning and actually applying their knowledge.



Industrial Visit at Neeta Alloys

An industrial Visit to Neeta alloys, Vatva on December 27, 2017 was made by the faculty and 16 students of Chemical department as a part of the industrial visit tour. The Aim was to provide learning and practical exposure of the manufacturing environment to the students which can help them grasp, understand and deploy learning in a better manner.

Neeta alloys is a metal processing unit producing two types of products: Cast iron graded casting and spheroidal graphite iron graded casting for their customers across the world.

Students were exposed to complete metallurgy process of raw material receipt, processing, finishing and quality control .The queries were addressed and the learning outcome was that students would be able to deploy classroom learning in the real world environment with such regular visits.



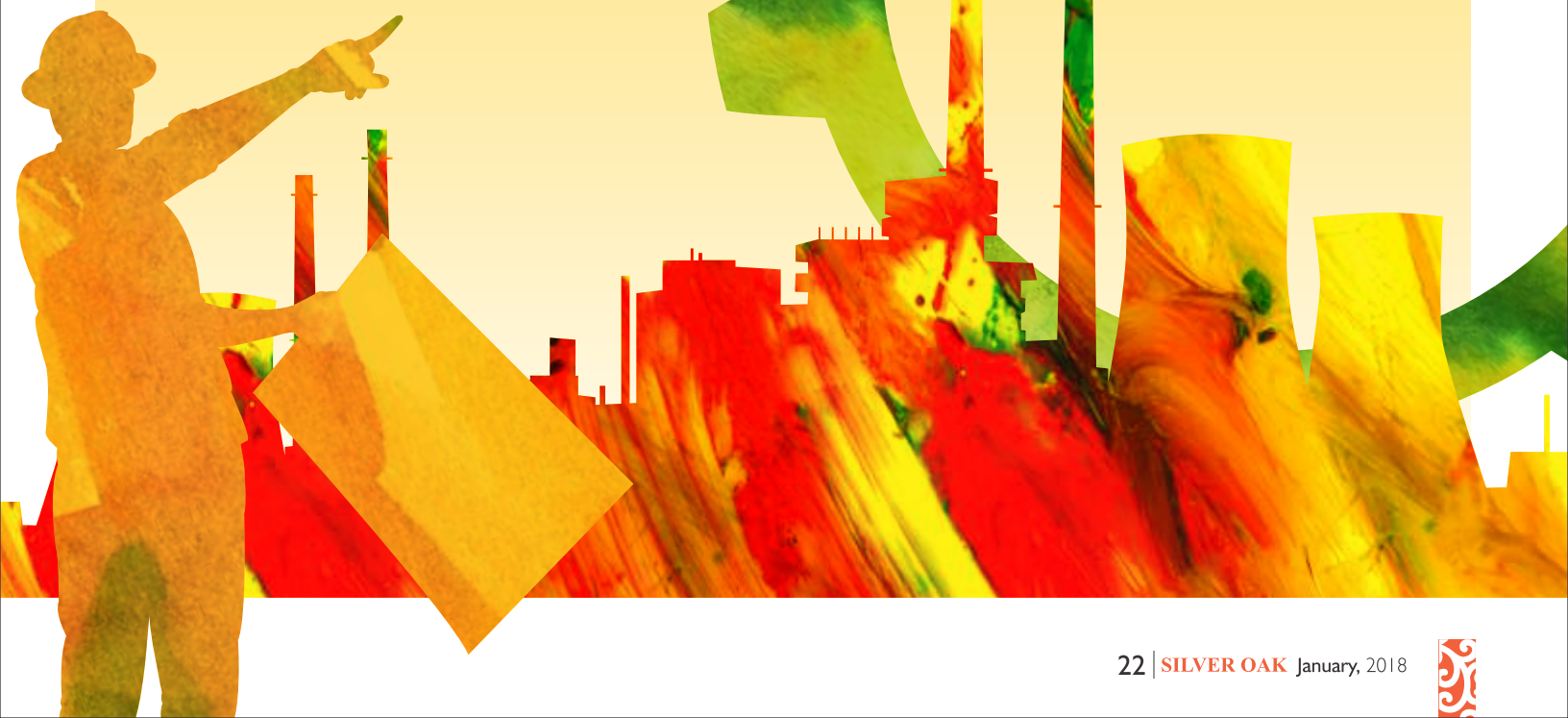


Industrial Visit at Sun Automation



What we learnt with pleasure, we never forget

In today's world, it is very important to have practical knowledge, just knowing the laws is not enough to make a machine work. It takes a lot of small details and practical know how about any device. To encourage and develop practical learning aspect among students of 4th semester Electrical Engineering, on 12th January 2018 were taken for industry visit in Sun Automation, Ahmedabad under the guidance Assistant Professor Nisha Sharda. Such industrial visits help students to visualize and understand the difference between just learning and actually applying their knowledge.





Research Initiatives

Faculty Achievement



Assistant Prof. Manan Pathak in Electrical Engineering Department Aditya Silver Oak Institute of Technology invited as resource person in A Four Day Training Program entitled "Planning for mitigation and response in coastal areas" by Gujarat Institute of disaster Management (GIDM), Gandhinagar, to deliver sessions on the topic "Case study on use of renewable energy sources during disasters in coastal areas" on 3rd January 2018.

Assistant Prof. Rahul Shrimali, Head, IT Department of Aditya Silver Oak Institute of Technology presented a poster on "Smart Attendance System" in the fifth International Conference on Transformations in Engineering Education (ICTIEE'18) [4 January to 6 January 2018] held at Bennett University - Times of India Group, TechZone II, Greater Noida, Uttar Pradesh, India



Students Achievement



International Experience Program

Every year GTU is organizing a program called IEP (International Experience Program) to send students of 7th semester out of India for studying any two subjects. It's a matter of pride that many of our students were selected and one of them has got excellent results.

The students went to Kansas State University USA, where **Ashfak Patel** (Enroll number : 140770119012) of Silver Oak College, Mechanical department completed 2 subject of 7th sem (Power plant Engineering and Machine Design) in which he has scored **Second Rank**.



Research paper by Janki Patel (3rd sem PG-EC Department) entitled as '**Bandwidth Extension of Speech Signals: A Review**' under the guidance of Prof. Nikunj Tahilramani (IEEE signal processing society Chapter secretary, Gujarat section) has been selected at 6th World Conference on Applied Science, Engineering and Technology (WCASET- January 2018), GOA. The conference proceedings will be published in one of the subsequent scientific metadata repository as Science Citation Index, Scopus, Science Direct, WZB Berlin Social Science Center publication.



Kudos!!!

Joice Mathew, a student of Silver Oak Group of Institutes has set foot for bigger achievements in the future by securing and SPI of 8.29 in the Degree of Master of Engineering (Mechanical, I. C. Engine and Automobile). She stands **first across Gujarat in this examination that was conducted in June 2017**. We congratulate her on behalf of the entire college, and wish she shines like the gold medal she has won in every hurdle she takes upon!



Who you are tomorrow, begins with what you do today
- Tim Fargo





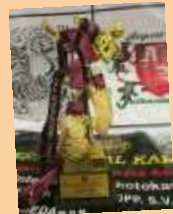
Research paper by Jui Trivedi(3rd sem PG-EC Department) entitled as '**Speaker Identification System Using Watermarking Technology For Spoofing Attack Of Voice Conversion: A Review**' under the guidance of Prof. Nikunj Tahilramani(IEEE signal processing society Chapter secretary, Gujarat section) has been selected at 6th World Conference on Applied Science, Engineering and Technology(WCASET- January 2018),GOA. The conference proceedings will be published in one of the subsequent scientific metadata repository as Science Citation Index, Scopus, Science Direct, WZB Berlin Social Science Center publication.



Research paper by Ruchi Patel(3rd sem PG-EC Department) entitled '**Information Hiding In Low Bit-Rate Speech Codec: A Review**' under the guidance of Prof. Nikunj Tahilramani(IEEE signal processing society Chapter secretary, Gujarat section) has been selected at 6th World Conference on Applied Science, Engineering and Technology(WCASET- January 2018),GOA. The conference proceedings will be published in one of the subsequent scientific metadata repository as Science Citation Index, Scopus, Science Direct, WZB Berlin Social Science Center publication.



Sagar Christian of 6th semester, Electronics & Communication Department has secured **1st place in ISKU International Karate Cup-2017** under the category 55 kg senior boys (India). The event was organized on 30th & 31st December, 2017.





Secret Santas!!!!



This Christmas SEED decided to share their happiness with the less fortunate kids. The team visited Sanskar Dham School of SAATH organization near Savvy Swaraj Township.

The SEEDlings of Silver Oak collected toys, stationary and other useful stuff to gift those kids and be their secret Santa. Above that they went there and planned fun games and activities to give a jolly ride to those kids. They danced; they played and made a bunch of good memories with the kids.

On the next day (26th December, 2017) these young angles went to a deaf and disabled school near Sola road and distributed gifts and chocolate amongst the children of the school.



It's a matter of real pride for the college to have such socially aware and responsible students!









SILVER OAK

Education to Innovation

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY

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