

BITS & BYTES

A DEPARTMENTAL NEWSLETTER

ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY
Department of Computer Engineering



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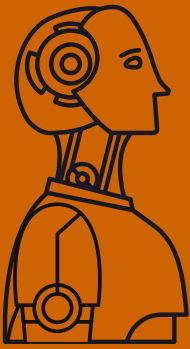
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Vision and Mission



Vision

To create competent professionals in the field of Computer Engineering and promote Research with a motive to serve as a valuable resource for the IT Industry and society.



Mission



1. To produce technically competent and ethically sound Computer Engineer professionals by imparting quality education, training, hands-on experience and value base education.
2. To inculcate ethical attitude, sense of responsibility towards society and leadership ability required for a responsible professional computer engineer.
3. To pursue creative research, adapt to rapidly changing technologies and promote self-learning approach in Computer Engineering and across disciplines to serve the dynamic needs of industry, government and society.

Program Educational Objective

PEO-1

To provide the fundamental of Science, Mathematics, Electronics, and Computer science and Engineering, and Skills for a successful IT Professional.

PEO-2

To provide scope to learn, apply skills, techniques, and competency to use modern engineering tools to solve computational problems.

PEO-3

To enable young graduates to adapt to the challenges of evolving career opportunities in their chosen field of career including higher studies, research related avenues, entrepreneurial activities etc.

PEO-4

To inculcate life-long learning aptitude, leadership qualities, and teamwork ability with a sense of ethics for a successful professional career in their chosen field.

CYBER SECURITY SEMINAR



Department of Computer Engineering & Information Technology (Degree/Diploma) of Aditya Silver Oak Institute of Technology, SOU held a seminar on "Cyber Security" On March 20th, 2023 at C V Raman Hall, Silver Oak University.

The seminar was attended by over 70+ individuals, including students and faculty. It covered a wide range of topics related to cyber security, including network security, data encryption, and threat detection. Expert speakers shared their insights and knowledge on the latest trends and techniques in cyber security. The highlight of the event was a live demonstration of a cyber-attack by a team of ethical hackers.

FDP on Recent Trends in Artificial Intelligence



Faculty Development Programme on Recent Trends in Artificial Intelligence

The FDP aims to empower educators to harness the transformative potential of AI, enabling them to leverage these technologies effectively in teaching, research, and student engagement. By fostering a collaborative learning environment, this programme endeavors to inspire faculty members to become catalysts for innovation and change in their respective academic departments.

Feedback:

"Enlightening journey through cutting-edge AI insights; a transformative experience for educators!"

"Inspiring exploration of AI's potential, redefining my approach to education!"

Seminar on Study in Foreign



Department of Computer Engineering of ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY arranged a fruitful session about foreign visa process for different countries like Canada, USA, UK, Germany etc. Explanation about advantages for applying study in foreign countries was also provided. Description for which countries they would prefer first for study. Along with the student's curriculum they can prepare for foreign study's exams topics are focused. 77 Students attended the session.

Student feedback:

."Got some new angles to think about foreign studies, Thank You Sir!!!"

"It was really helpful session"

Expert :

Mr. Winners Parekh,
Career Counsellor, Focus Educations

TECH REEL COMPETITION



A tech reel competition was held on 25 March 2023, where participants presented their technology-focused projects, inventions, or innovations to a panel of judges. This type of event provided an opportunity for tech enthusiasts and students to demonstrate their skills, creativity, and problem-solving abilities in a competitive setting.

Participants typically prepared a short video or presentation that highlights the features technical content, along with any relevant data, statistics, or success stories. Judges evaluated the reels based on criteria such as innovation, feasibility, impact, and overall presentation.

SKILL DEVELOPMENT PROGRAM



Department of Computer Engineering organized 1 week Skill Development Program for the faculties during 8/4/2023 to 15/4/2023 at Ignite auditorium hall.

Faculty development programs (FDPs) are an important pre-requisite for continuous, longitudinal professional growth of the faculty. Various topics for enhancement and improvement of Teaching skills as well as various challenges associated which a teacher has to overcome were discussed.

Different session were conducted by Prof. Sagar Patel, Prof. Jalpa Shah, Dr. Rahul Vaghela, Prof. Manish Singh.

All the sessions were wonderful and appreciated by the faculties.

Expert Session Deep Learning



Department of Computer Engineering of Aditya Silver Oak Institute of Technology in association with White Oak Club, organized an expert session on "Deep Learning" On March 25th, 2023 at Ignite auditorium, Silver Oak University. The session aimed to address the growing concerns around deep learning and to educate individuals on how to use deep learning techniques to solve day to day life problems.

The session was attended by over 100+ individuals, including students and faculties. It covered a wide range of topics related to Deep Learning, including Artificial Intelligence and Machine Learning.

Session was conducted by Dr. R. A. Thakkar (PhD. IIT Bombay). He shared his insights and knowledge on the latest trends and techniques in Deep Learning.

Expert Lecture on Internet of Things (IOT)



Department of Computer Engineering and Information Technology of Aditya Silver Oak Institute of Technology, SILVER OAK UNIVERSITY invited various experts from industries to provide industry oriented knowledge as a part of their regular subject.

The lecture emphasized IoT's potential to revolutionize daily life while underscoring the necessity for comprehensive frameworks to ensure its safe and efficient integration into our interconnected world.

We are very thankful to Mr. Harish Luhar, Founder of Sigma TECHNOLOGIES for delivering the best on Internet of Things.

FDP on Fundamentals of Cloud Computing and Architecting with AWS



This Faculty Development Programme (FDP) aims to provide a comprehensive understanding of cloud computing concepts, architecture principles, and hands-on experience with AWS services. The program will equip participants with the knowledge and tools needed to integrate cloud technologies into academic curricula, research, and project development.

Feedback:

"An enriching journey through Cloud Computing and AWS, providing practical insights for immediate application in academic and professional realms."

"Insightful FDP that demystified cloud concepts and empowered me with practical AWS knowledge for teaching and beyond".

PROJECT FAIR 2023



SILVER OAK UNIVERSITY organized Project Fair-2023 for Final year students On April 20th, 2023. The Computer Engineering Department of Aditya Silver Oak Institute of Technology showcases the innovative projects created by their students. The fair was a huge success, attracting a large number of visitors from different fields, including students, faculty members, and industry professionals.

The fair displayed a wide range of projects, including hardware and software-based projects, IoT, cyber security, and artificial intelligence. The students presented their projects with great enthusiasm and demonstrated their expertise in various areas of computer engineering and information technology. More than 160 Projects were showcased including live industry projects.

The key projects were Virtual Mouse Using Open-CV, Water filtration system, stock prices prediction, YHONK (IOT- based honking Detection), Satellite based Precise Point Positioning system, secure messaging platform for detecting and preventing phishing attacks and many more. Student's projects were evaluated by Industry experts. Prize and certificates will be given as a token of appreciation.

Students Visit Smart Cities Mission



The Department of Computer Engineering, ASOIT, Silver Oak University organized an Industrial Visit on 26/06/2023 at Command and Control Centre, Smart city, Ahmedabad.

More than 50 students along with 1 faculty member visited the campus. It is a facility that uses the latest technology to manage and monitor various aspects of the city's infrastructure and services.

This visit was very informative and useful for our students as they learned a lot about the process handled by the team in the background. They realized the working of IoT using sensors with cameras and lights.

We are thankful to the Gujarat Government for giving this opportunity to visit Smart City, Ahmedabad.

THIS IS TO CERTIFY THAT

FACULTY ACHIEVEMENT

HAS PRESENTED A PAPER TITLED

(Paper Publications)

AT THE

SEVENTH INTERNATIONAL CONGRESS ON



Prof. Janki Barot

Title : Study of Architectural Designs for Underwater Wireless Sensors Network in View of Underwater Applications.



Prof. Janki Barot

Title : Explainable AI for Intrusion Prevention : A Review of Techniques and Applications



Prof. Janki Barot

Title : Pathfinding Visualizer : A Survey of the State Art






Prof. Janki Barot

Title : Monitor the Effectiveness of Cardiovascular Disease Illness Diagnostics Utilizing AI & Supervised Machine Learning Classifiers

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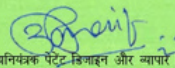
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **DETACHABLE MOUSE** से संबंधित है, का पंजीकरण, श्रेणी 14-02 में Dr. Premal Chimanlal Patel के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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Dr. PREMAL PATEL

(DETACHABLE MOUSE)

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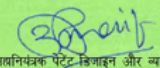
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**Yogiraj Brahmhatt, Prof. Manish Singh, Prof. Sagar Patel,
Prof. Jalpa Shah**

(AIR BLOW PREVENTER FOR STOVE)

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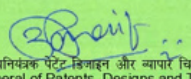
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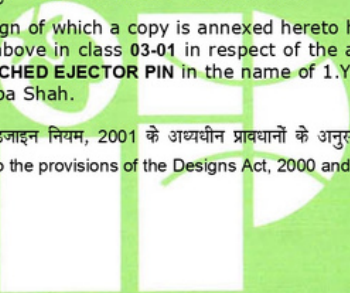
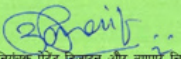
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**Yogiraj Brahmhatt, Prof. Manish Singh, Dr. Premal Patel,
Prof. Jalpa Shah**

(GRIP - O - BOTTLE)

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**Yogiraj Brahmhatt, Prof. Manish Singh, Prof. Janki Barot,
Prof. Jalpa Shah**

(MOBILE CASE WITH ATTACHED EJECTOR PIN)

NSS - SOCIAL WORK ACTIVITIES PERFORMED BY OUR STUDENTS



NSS - SOCIAL WORK ACTIVITIES PERFORMED BY OUR STUDENTS



ACHIEVEMENTS OF STUDENTS



RINEX

ES Entrepreneurship Cell
IIT Bhubaneswar

CERTIFICATE OF CAMPUS AMBASSADOR

JADWANI BHARGAV

Of SILVER OAK UNIVERSITY

In recognition of the excellent initiatives and outstanding contributions
Made during the Campus Ambassador Program between March 2023 - April 2023

06/04/2023

DATE



Prohita

Academic Director

ACHIEVEMENTS OF STUDENTS

Microsoft Learn Student Ambassadors | 2023

This certificate is presented to:

Jaypalsinh

Barad

Student Ambassador

In recognition of your hard work and dedication as
a member of the Student Ambassadors team.



Pablo Veramendi

Global Director | Microsoft Learn Student Ambassadors



Thank You