BITS

& BYTES

A DEPARTMENTAL NEWSLETTER

ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY

Department of Computer Engineering

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INDEX

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 competant and ethically sound Computer Engineer professionals by imparting quality education, training, hands-on experience and value base education.

2. To inclucate 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.
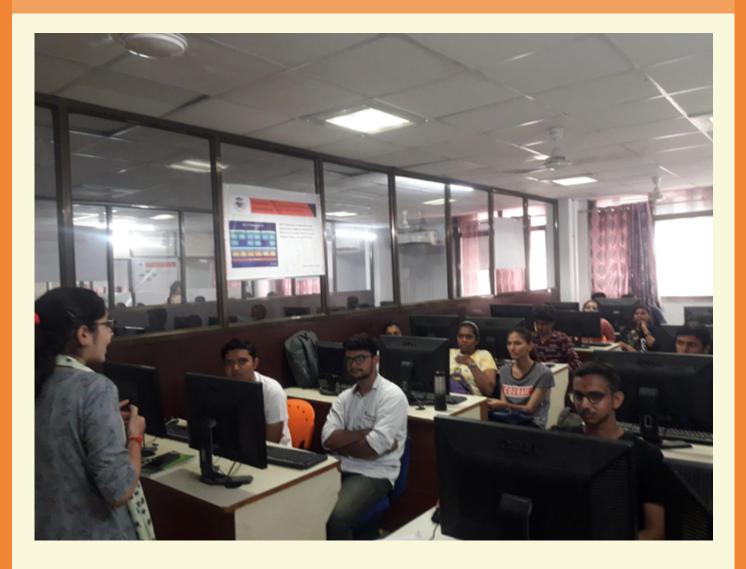
PEO-3

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.

Expert Lecture
on
Basics of Python and AI-ML

This session navigates through Python's versatile libraries, syntax, and functionalities essential for AI and ML development. Exploring core concepts like data manipulation, visualization, and model implementation, participants grasp Python's significance in simplifying complex algorithms. The lecture emphasizes practical applications through case studies, empowering attendees to leverage Python's flexibility for AI and ML projects. With insights into Python's seamless integration and its impact on innovative AI-ML solutions, this lecture serves as a gateway to mastering these dynamic technologies.

Expert:

Prof. Devanshi Panchal

Workshop on Social Engineering techniques used for Cyber Attacks

The Department of Computer Engineering conducted a Hands-on session " Social Engineering techniques used for cyber attack" on 15 July 2022.. It was conducted for students of Computer Engineering. In an era marked by digital transformation, our event on cybersecurity stands as a beacon of knowledge and preparedness in the face of evolving threats. This event aims to enlighten attendees about the multifaceted landscape of cybersecurity, from its core principles to the latest strategies in safeguarding sensitive information.

Expert:
Mr. Smit Patel,
Cyber Security Analyst at Pristine InfoSolutions

Expert lecture on Artificial intelligence and machine learning

The Department of Computer Engineeringconducted an Expert lecture on Artificial intelligence and machine learning on 30 July 2022.. It was conducted for students of computer Engineering. The expert session on Artificial Intelligence (AI) and Machine Learning (ML) was a dynamic and informative gathering aimed at inspiring and educating aspiring students about the vast potential of these transformative technologies. The session was structured to offer insights into AI and ML, their real-world applications, and career opportunities in these fields.

Expert:
Dr. Chintan Shah
AI-ML Expert

Industrial Visit @ NFSU

Department of Computer Engineering of Aditya Silver Oak Institute of Technology, Silver Oak University had organized an University Visit to "NFSU '' on 14th September 2022 for Students of 7th Semester.

The Technical Head of NFSU conducted very informative session for the students. Alsohe motivated students to select their domain and area of interest. He also guided students to select the areas like Fraud Detection , forensic laws in forensic etc.The session was concluded with Question- Answer session. Many of the students asked different questions to the Technical Head on current demanding frauds , market scenarios etc. and he cleared all the doubt and myths which was in students mind about the technologies and IT sector. All students were satisfied after the session.It was an informative ,interesting and a successful visit. As students of Computer Engineering, they understand a live security and importance of forensic selection, etc.

We express our thanks to the Dr. Pratik sir and all team members of NFSU who spent their valuable time for us. We also thank our respected Management and HOD (ASOIT-CE) —Dr. Jay Dave who motivate us to arrange such an informative program.

FACULTY DEVELOPMENT PROGRAMME HTML/CSS/JS

Silver Oak University takes extra steps and always works with the goal of imparting the knowledge to the faculties and students because practical knowledge is now crucial in the industries.

Another faculty development program covering HTML,CSS AND JAVASCRIPT was organized as part of ongoing initiatives. Faculties of the the department of computer engineering received training and updated their knowledge.

NSS - SOCIAL WORK ACTIVITIES PERFORMED BY OUR STUDENTS

REGIONAL ROUND
AZADI KA AMRIT MAHOTSAV
HACKATHON 2022

Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of independence and the glorious history of it's people, culture and achievements.

Our students of Department of Computer Engineering participated in the said events and presents their innovative ideas among the jury members.

Anant national University hosted the regional round of the Azadi ka Amrit Mahotsav Hackathon 2022 at the varsity campus. The university welcomed nealy 500 students across Gujarat from various educational institutes for the two-day event along with offcials and jury members.

FACULTY ACHIEVEMENT

ATTENDED WORKSHOP ON
DATA SCIENCE WITH PYTHON

SILVER OAK UNIVERSITY organized an two day Workshop on "DATA SCIENCE WITH PYTHON" during 26th and 27th December 2022.

Mr. Margil Shah who is a Business Intelligence Engineer was the Speaker. This session was very much Interactive and Informative. This two days of Workshop was beneficial for the attendees as the got strong knowledge on Data Science using Python.

FACULTY ACHIEVEMENT

Invited as Scientific Jury members at State Level National Children's Science Congress 2022 (NCSC-2022)

Prof. Janki Barot – Aditya Silver Oak Institute of Technology for being invited as Scientific Jury members at State Level National Children's Science Congress 2022 (NCSC-2022) program during 22 - 24th December, 2022 at Science City, Ahmedabad. The event was organized by Gujarat Council on Science and Technology (GUJCOST), working under the aegis of the Department of Science and Technology, Government of Gujarat. Invited Scientific Jury Members for this State Level NCSC program had wonderful opportunity to interact and evaluate scientific projects of more than 330 child scientists across Gujarat State.

STUDENTS ACHIEVEMENTS PARTICIPATION

Certificate 1

SILVER OAK UNIVERSITY — EDUCATION TO INNOVATION

e-cell IGNITE

ignite — Innovation & Start-up Centre | Co-working Space

CERTIFICATE
OF APPRECIATION

This certificate is proudly presented to

MR./MS. **Saakshi Bhatt**

FOR THEIR GROUP/SOLO PARTICIPATION WITH THE IDEA TITLE OF

Homie- Food Industry FROM

THE DEPARTMENT, OF **Computer Engineering** ,FOR

PRESENTING THEIR NEW INNOVATIVE IDEA IN **"IDEATHON -2022"** HELD ON 26/07/2022

ORGANIZAED BY **E-CELL, IGNITE, SILVER OAK UNIVERSITY.**

WE ENDORSE YOUR PARTICIPATION AND HOPE FOR YOUR BRIGHTER FUTURE.

MR. NIPEN SHUKLA
HEAD , IGNITE

PROF. MIT SHAH
REGISTRAR , SOU

Certificate 2

SILVER OAK UNIVERSITY

IEEE | Silver Oak University IEEE Student Branch

CERTIFICATE
OF ACHIEVEMENT

This certificate is presented to

Nisarg Prajapati

for winning in **"Cyber League- The Ultimate Gaming Knockdown"**
tournament organized by **Silver Oak University IEEE Student Branch**
during 22nd to 24th September, 2022.

Dr. Satvik Khara
Head, Department of Computer Engineering, SOU
Vice-chair, SAC, IEEE GUJARAT SECTION

Prof. Mayuresh Kulkarni
Branch Counselor,
IEEE SOU SB

Certificate 3

SILVER OAK UNIVERSITY — EDUCATION TO INNOVATION

e-cell IGNITE

ignite — Innovation & Start-up Centre | Co-working Space

CERTIFICATE
OF APPRECIATION

This certificate is proudly presented to

MR./MS. **Pandya Siddhant Sahilesh**

FOR THEIR GROUP/SOLO PARTICIPATION WITH THE IDEA TITLE OF

Homie- Food Industry FROM

THE DEPARTMENT, OF **Computer Engineering** ,FOR

PRESENTING THEIR NEW INNOVATIVE IDEA IN **"IDEATHON -2022"** HELD ON 26/07/2022

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MR. NIPEN SHUKLA
HEAD , IGNITE

PROF. MIT SHAH
REGISTRAR , SOU

STUDENTS ACHIEVEMENTS PARTICIPATION

Thank You