



SARASWATI Education Society's
SARASWATI Institute of Technology
Kharghar, Navi Mumbai - 410210

Newsletter - 2022-23



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Maharashtra State Board
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- Mr. Jamadar Jamir (Civil)
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- Mr. Arjun Kadam
- Mr. Dattatray Bangar
- Mrs. Yogita Wasu
- Mrs. Smita Kuldiwar
- Mrs. Najnin Daryavardi
- Mr. Rahul Gondhali

The burning desire of the Saraswati Institute of Technology is to produce tomorrow's competitive techno survey greenhorns to meet the challenges ahead of today's society. It is our goal to explore an individual's talent and sharpen the technical skills to compete with his own unknown incomparable abilities to shine the realities of the future. Saraswati Institute of Technology is approved by the All India Council for Technical Education (AICTE) and the Directorate of Technical Education (DTE); recognized by the Government of Maharashtra and affiliated with the Maharashtra State Board of Technical Education (MSBTE).

With our education system that matches global standards, we endeavor to give a rewarding and fulfilling experience to our students. The best education leads to the all-around development of an individual. We also stress on the importance of extra-curricular activities and conduct various sports and cultural events throughout the year. Comprehensive development is achieved with a strong emotional quotient and personal grooming. The excellence our students imbibe is reflected in their personal and professional lives. The most important feature of the Saraswati Education Society and Saraswati Institute Of Technology, which is quite different from other such organizations, is that it is based on the collective effort made by every individual, working with a spirit of teamwork. Long-term planning, meaningful administration, a dedicated and experienced workforce, a full-fledged library, and well-equipped laboratories are a few of our strong points which are worth mentioning.

Saraswati Education Society lays special emphasis on providing the best possible infrastructure for learning on all its campuses. All the existing and upcoming institutions of the Society are provided with spacious buildings to accommodate reception, office, classrooms, staff rooms, drawing halls, laboratories, workshop, library, computer center, auditorium, conference halls, examination hall, a recreation center for staff and students, sports rooms, canteen, and placement cell. All the buildings have been elaborately furnished and fitted with the necessary fixtures. There is a 24-hour backup in case of power failure so that the teaching and practical work are not hampered.

As part of the editorial team, we welcome all suggestion, articles, and news regarding engineering academic field or accomplishments of your classmates. Please send your suggestions, queries at kirti.tamboli_siot@sce.edu.in

PRINCIPAL'S DESK

Dear readers,

Welcome to the world of Saraswati Institute of Technology's Newsletter 2022, where education means the all-around development of the Student. This is an institute that has a mission to make each student achieve their best.



Dr. Digambar R. Suroshe

We at Saraswati Institute of Technology strive to respect the unique individuality of each student and give the students the right kind of help. We believe that a student will be successful in life if we accept them as they are and inspire them to become what they want to become. They want to be liked, appreciated, and to be respected for their individuality.

We give a lot of Importance to making discipline a core value, and encourage students to develop a sense of responsibility through a well-planned academic schedule, and the institute has a well-planned curriculum so that co-curricular activities also are given due importance. Finally, I want to assure you that the Management and our team of experienced teachers are doing their best to give your student the required edge to make his/her mark in this global world.

OUR VISION AND MISSION

Vision

"To excel in the field of technology by creating technocrats with value based professionalism"

Mission

To provide technical expertise to fulfil the needs of industry.

To impact ethical values and professional responsibilities.

To achieve excellence in academics.

TECHNICAL ACTIVITIES

INNOVATIVE IDEAS POSTER COMPETITION.



Title: Innovative Ideas Poster Competition.

Date: 17th August, 2022

Time: 02:00 pm to 04:00 pm

Venue: Library, SIOT Building.

Participants: Second/Third Year Students
(ME/AE/CE/CO/IF)

On occasion of the 75th Azadi ka Amrit Mahatosav Programme, SIOT started the One Week Programme. On the Last day of the Event, Poster Competition was organised in the Library, SIOT Building. From the entire Department, more than 10 Students participated in the competition. Event Responsibility was given to the Mrs. Pranajli Chafale and Mrs. Najnin Daryavardi (Lecturer- Civil Department). Mr. Arjun Kadam (Lecturer- Mechanical Department) and Mrs. Vrushali Patil (Lecturer- Science and Humanities Department) were appointed as the Judge for the Event.

QUIZ COMPETITION

Title: Quiz Competition on 75th Azadika Amrit Mahatosav Programme.

Date: 11th August, 2022

Time: 10:00 am to 12:00 pm

Venue: Seminar Hall, Room No 211

Participants: Second/Third Year Students
(ME/AE/CE/CO/IF)



On occasion of the 75th Azadika Amrit Mahatosav Programme, SIOT started the One Week Programme. On the First day of the Event, Quiz Competition on Azadi theme was organised in the Diploma Seminar Hall, Room no 211. From all the Department, 31 Students participated in the programme. Total 6 Groups were created consisting of the 5 students in each Group and Quiz conducted in the 5 Rounds. Event Responsibility was given to the Mr. Mayuresh Naikwade (Lecturer- Mechanical Department). Group No 5 was the Winner of the Quiz Competition.

TECHNICAL ACTIVITIES

INNOVATIVE SLOGAN AND LOGO ON AZADI THEME.



Title: Innovative Slogan and Logo on Azadi Theme.

Date: 17th August, 2022

Time: 02:00 pm to 04:00 pm

Venue: Library, SIOT Building.

Participants: Second/Third Year Students
(ME/AE/CE/CO/IF)

On occasion of the 75th Azadi Amrit Mahotsav Programme, SIOT started the One Week Programme. On the Last day of the Event, Innovative Slogan and Logo on Azadi Theme Competition was organised in the Library, SIOT Building. From the entire Department, more than 05 Students participated in the competition. Event Responsibility was given to the Mr. Abhjit Kamthe (HOD- Automobile Department), Mr. Dattatray Bangar (HOD- Civil Department) and Mr. Samadhan Landge (Lecturer- Science and Humanities Department) were appointed as the Judge for the Event.

INNOVATIVE PRESENTATION BY RANGOLI COMPETITION ON AZADI

Title: Innovative Presentation by Rangoli Competition on Azadi

Date: 11th August, 2022

Time: 02:00 pm to 04:00 pm

Venue: Library, 1st Floor

Participants: Second/Third Year Students
(ME/AE/CE/CO/IF)



On occasion of the 75th Azadi Amrit Mahotsav Programme, SIOT started the One Week Programme. On the First day of the Event, Rangoli Competition on Azadi theme was organised in the SIOT, Library. From all the Department, 07 Students participated in the programme. Total 9 students were participated in the Completion. Event Responsibility was given to the Mrs. Jyoti Shinde (Lecturer- Computer Department), Mrs. Yogita Wasu (HOD- Science and Humanities Department) and Mrs. Smitha Kuldiwar (HOD- Computer Department) were appointed as the judge for the Event.

INDUSTRIAL VISIT



Title: Industrial Visit to TIFR, Colaba.

Date: 14th Oct, 2022

Time: 10:00 am to 04:00 pm

Venue: Colaba

Participants: Second/Third Year Students (ME/AE)

Industrial visit to TIFR Colaba was organized on 14th Oct, 2022. The students of 2nd year and 3rd Year actively participated in the Industrial Visit. As per Telephonic and Email Conversation, 25 Students went to the Industrial visit. Visit started with Presentation followed by the actual Process CNC Machine and Liquid Nitrogen Plant. At the End of the Programme all the questions from the Students were answered and visit ended with the Group Photo. Mr. Jaslok Pandey (HOD, Mechanical Department), Mr. Rahul Gondhali (Lecturer Automobile) were with the students.

INNOVATIVE PRESENTATION BY RANGOLI COMPETITION ON AZADI

Title: Industrial Visit to Indian Institute of Geomagnetism, Panvel

Date: 30th Sept, 2022

Time: 9.00 am to 11.00 pm

Venue: Panvel

Participants: Second/Third Year Students (ME/AE)



Industrial visit to Indian Institute of Geomagnetism, Panvel was organized on 30th Sept, 2022. The students of 2nd year and 3rd Year actively participated in the Industrial Visit. As per Telephonic and Email Conversation, 43 Students went to the Industrial visit. Visit started with Presentation followed by the brief overview of Research Activities at IIG. At the End of the Programme all the questions from the Students were answered and visit ended with the Group Photo. Mr. Jaslok Pandey (HOD, Mechanical Department), Mr. Mayuresh Naikwade (Lecturer Automobile Dept.) were with the students

MECHANICAL ENGINEERING DEPARTMENT

INDUSTRIAL VISIT

Title: Industrial Visit to Katraj Dairy Plant, Pune.

Date: 26th August, 2022

Time: 10:00 am to 04:00 pm

Venue: Pune

Participants: Second/Third Year Students (ME/AE)



Industrial visit to Katraj Dairy Plant, Pune was organized on 26th August, 2022.

The students of 2nd year and 3rd Year actively participated in the Industrial Visit.

As per Telephonic and Email Conversation, 43 Students went to the Industrial

visit. Visit started with Presentation followed by the actual Process of Milk Packing

At the End of the Programme all the questions from the Students were answered and visit ended with the Group Photo.

Mr. Abhijit Kamthe (HOD, Automobile Department), Mr. Pradeep Mukadam (Instructor-Workshop) and Mr. Akshay Yamgar (Instructor-Workshop) were with the students.

RECENT ADVANCES IN NUCLEAR ENERGY

Date: 23rd August, 2022

Time: 10:30 am to 12:30 pm

Venue: Seminar Hall, Room no 211, Saraswati Institute of Technology

Subject Expert: Mrs. Jherna Taleja

Participants: TY and SY Mechanical/Automobile/Information Technology Students



Mechanical Engineering Department organized an expert lecture of

Mrs. Jherna Taleja on 23rd August, 2022 from 10:30 am to 12:00 pm for Third Year and Second Year students for

Mechanical /Automobile Engineering Subject. This lecture is conducted to get the subject expert guidance to the

students in the Recent Advances in Nuclear Energy. During interaction with the students, She shared his thoughts and

experience in the field of Nuclear Power Energy. As per discussion with the students, the topic covered was appreciated

by most of the students and requested to arrange such kind of lectures in the future too for other subjects.

SCHOLARSHIP SCHEME BY INDIA BULLS

Date: 22nd August, 2022

Time: 10:00 am to 12:00 pm

Venue: Seminar Hall, Room no 211, Saraswati Institute of Technology

Subject Expert: Mr. Rakesh Sinha

Participants: TY and SY Mechanical/Automobile/Information Technology Students



Mechanical Engineering Department organized an expert lecture of from

India Bulls on 22nd August, 2022 from 10:00 am to 12:00 pm for Third Year and Second Year students for Mechanical

/Automobile Engineering Subject. This lecture is conducted to get the subject expert guidance to the students in the

various scholarship scheme by India Bulls. During interaction with the students, He shared eligibility criteria and

procedure to fill form.

CIVIL ENGINEERING DEPARTMENT

SITE VISIT AT CIDCO MASS HOUSING PROJECT

Date: 6 th Dec,2022

Venue: Taloja

Subject Expert: Mr. Dattatray Bangar

Participants: Second Year Students (CE)



Second year students of civil department visited the Construction site on 6 th Dec,2022 to gain information about working drawing, Super structure and its checking as it is related to the subject of Building Construction in our educational curriculum. Visit gave us appropriate information about various Component parts of building and also the process of construction of each component. Site in charge gave us the proper information which will help us in future to understand the Construction process. We are thankful to Site Engineer for giving us information. We appreciate Prof. D. R. Suroshe (Principal) and Mr. Dattatray Bangar (HOD) to arrange the Site visit and also our faculty for their support and encouragement.

ADVANCE TOTAL STATION & DGPS ONE DAY WORKSHOP

Date: 20 Sep 2022

Time: 10:30 am to 3.00 pm

Venue: Saraswati Institute of Technology

Subject Expert: Mr. Shailesh Bakade & Mr. Nilesh

Participants: Second/Third Year Students



Civil Engineering Department organized One Day workshop of "Advance Total Station & DGPS" by Mr. Shailesh Bakade & Mr. Nilesh sir from Skipper Technologies India Pvt. Ltd on 20th Sep, 2022 from 10:30 am to 3:00 pm for students for understanding the importance of Total Station & DGPS. This one day Workshop is conducted to get knowledge of operation done on Total Station & DGPS

STATE LEVEL POSTER PRESENTATION COMPETITION

Title: State level Poster Presentation competition.

Date: 15th Sep, 2022

Time: 11:00 am to 2:00 pm

Venue: Saraswati Institute of Technology



State level Poster Presentation competition under ISTE, IIC, ISRS & IIRS conducted 15 th Sep,2022 From 9.00 am to 3.00 pm for students of various colleges in Mumbai region. The posters were prepared by students based on their Capstone Project. All the posters were of A0 size.

COMPUTER ENGINEERING & INFORMATION TECHNOLOGY DEPARTMENT

INDUSTRIAL VISIT

Title: Industrial Visit
Date: 4th November, 2022.
Time: 10.00am to 1.00pm
Venue: IIHT institute Kharghar
Subject Expert: Mrs. Piyali Sharma
Participants: Third Year Students (CO/IT)



A batch of 3rd year computer students and one staff coordinator visited the IIHT institute Kharghar on 4th November, 2022. The Main Motivation behind this industrial visit was to guide students about scope and courses related to Cloud Computing. Computer Department's Technical Coordinator Mrs. Kirti Tamboli took efforts to organize this Industrial visit under the guidance of HOD Mrs.Smita Kuldiwar.

MOBILE APPLICATION DEVELOPMENT

Title: Mobile application development
Date: 3 March to 6 March 2023
Time: 10.00am to 4.00pm
Venue: SIOT, Room no-111
Subject Expert: Mr. Rahul Gupta and Mr.Abhijit Kudche
Participants: Third Year Students (CO/IT)



The Computer Engineering Department organized an 3 day workshop of Mr.Rahul Gupta and Mr.Abhijit Kudche from 3rd march 2023 to 6th march 2023 from 10.00am to 4.00am for Third Year students for the Mobile application development subject. This lecture is conducted to get the subject expert guidance to the students in the basic terms MAD subject and the main topic if lecture was features and needs of MAD , Which software to use and how to install, processing of android studio installaion , how to create application ,use of components. During interaction with the students, he shared experience in Practical work. As per discussion with the students, the topic covered was appreciated by most of the students and requested to arrange such kinds of lectures in the future too for the same subjects.

DEBUGGING COMPETITION

Title: Debugging Competition
Date: 17 th February, 2023
Time: 1.00 pm to 4:00 pm
Venue: SIOT Database Lab
Participants: Second Year and Third Year Student (CO/IF)



The Computer Department (organized Debugging Competition On 17 th Feb, 2023 at 1pm for Second Year and Third Year Students on the Language C++. More than 20 students were participated in debugging competition. In First round 7 students were selected. Against these 7 students Second round was conducted and finally 3 winners were announced of the competition.

IMPORTANCE OF YOGA



Mrs. Vrushali Patil
Lecturer at
Science & Humanities Department

In the midst of darkness, there is only one who can provide the light, and lead us to our destination. He is the Master called Guru, who helps the individual to distinguish between matter and spirit, real and unreal, and truth and myth. It is the guru who elevates the devotee from the world of maya to the ultimate state of Truth.

According to Vedic texts, the guru is held in high reverence, equal to God. He is considered a living God. He reveals the truth contained in the Vedas and scriptures in a way easily understandable. Everyone aspires for happiness, but its concept differs from person to person. Happiness eludes those who seek it from outside sources. It is the mind that causes delusions. If one rises beyond the mind, he will realize his real natural state and attain the highest state of bliss. It is precisely for the purpose of pointing out the straight path towards happiness. There are various means to attain knowledge, like study of scriptures, introspection, or self-inquiry, but the most effective means is by seeking the grace of the guru.

One who is humble, devoted and dedicated, the guru appears at the right time. When Arjun, a warrior and master of archery, hesitated to take up arms, Krishn said: "Who are you to refrain or to act. Give up the notion of doer-ship. You are merely a tool in the order of Higher Power." Taking the role of Jagadguru, Krishn said that the only way by which one can gain real knowledge, Self-knowledge, is by approaching the guru who has realised it himself.

In short, it is the guru who helps the devotee to know that he is not a mere physical entity but a spiritual being, poised to reach the higher goals in life.

- Mrs. Vrushali Patil



Mrs. Pranjali Chafale
Lecturer at
Civil Department

Climate Change is a Challenge for Environment Sustainability

Our environment is now on the brink of its existence. Various issues like poor air quality, water crises, etc. are threatening the existence of life on earth. This is mainly because of the wastage of natural resources. We must take this as a matter of serious concern and take steps towards its conservation. We observed that in the last few years' temperatures is increasing constantly because of global warming. This is happening mainly due to the pollution from the various industries and sudden climate change. Climate change can affect our health, ability to grow food, housing, safety, and work. The main effect of climate change is the rise in sea level. The people living near the sea face tremendous problems after 5-10 years. Mumbai also facing the same problem in the early few years. Large greenhouse gases are generated through energy production, by burning fossil fuels to generate heat and electricity. Fossil fuels, such as coal, oil, and gas are by far the largest contributor to global climate change. To avoid the worst impacts of climate change, emissions need to be reduced by almost half by 2030 and reach net zero by 2050. To achieve this, we just need to use the alternative of fossil fuels and used energy that is affordable and sustainable. The alternative to this problem is only to use renewable energy or renewable resources. A renewable resource includes trees, other plants, groundwater, solar energy, and wind energy. India has a huge potential for renewable energy resources and in past few years due to government involvement, there is a sudden growth in the Renewable sector. Now its time that participating every citizen of India to take part to achieve this goal from the government to NGOs, from manufacturing industries to R & D instaurations. Innovation has the capability of saving the world without stopping economic growth. So, we must develop new ideas for creating a better world.

(Reference-un.org., google.com)

- Mrs. Pranjali Chafale