



# BITS-N-BYTES

A Bi-Annual Newsletter of  
St. Francis Institute of Technology  
(Vol 12, Issue 1)



**Developing Entrepreneurs/ Industry Leaders with Integrity**

## AROUND THE INSTITUTE:

St. Francis Institute of Technology endearingly known as SFIT is a Mumbai's premier engineering college situated in the heart of the city surrounded by plush green campus. Started in 1999 with an aim of imparting quality higher education in various fields of engineering, it has seen unprecedented growth. It is affiliated with the University of Mumbai & administrated by Directorate of Technical Education, Government of Maharashtra.

## COURSES OFFERED

<b>Undergraduate Courses (B.E)</b>	<b>Intake</b>	<b>Post Graduate Courses (M.E)</b>	<b>Intake</b>
• Computer Engineering	: 120	• Computer Engineering	18
• Electronics & Telecom Engg.	: 120	• Electronics & Telecom Engg.	18
• Information Technology	: 120	<b>Ph.D. (Technology) –</b>	
• Electrical Engineering	: 60	• Computer Engineering	
• Mechanical Engineering	: 60	• Electronics & Telecom Engineering	

Admission to Engineering is as per DTE norms.

For more information/updates about admissions please register@ <https://tinyurl.com/cu4krhsw>



## OUR VISION

To be a chrysalis where bright youngsters are transformed into technological entrepreneurs and innovative leaders of tomorrow's world, consistent with the Franciscan vision of integrity, peace and love.



## OUR MISSION

For UG programme:- "To churn highly competent engineering graduates with a commitment to result oriented work, a perennial zest for learning, a quest for excellence, an open mind and the universal values of honesty, dignity and mutual care."



## OUR MISSION

For PG programme:- "To continually improve and progress in the path of developing post graduate scholars who will be competent in exploring, developing and disseminating new knowledge in their areas of specialisation so that the repository of new knowledge and innovation and its dissemination will be enhanced in scope of effectiveness."



The Emblem or the Logo of the college reflects the basic functions, aims, objects, ideals and aspirations of the Institute.

The two hands and the wheel symbolize the transmission of knowledge of the teacher to the student and the relentless quest towards this transmission.

The title "Engineering College" indicates the level at which this transmission takes place, as distinguished from other Technical Institutes.

It also represents "entrepreneurship", which is the distinctive "vision" of the college; to develop potential job and wealth creators as different from job seekers.

Around these is printed the name of the College and the City in which it is situated. Finally the whole wheel is arched by two olive branches that represent 'victory' as well as, 'peace and tranquility'; the essence of the values of the Institute's Patron Saint, St. Francis of Assisi, that the College professes and wishes to impart to its stakeholders.

## DEPARTMENT OF COMPUTER ENGINEERING

### OUR VISION

The vision of the Computer Engineering program at SFIT is to continuously improve its educational environment to nurture future technological entrepreneurs and researchers, with strong emphasis on ethics and professional code of conduct.

### OUR MISSION

To produce quality Computer Engineering professionals nourished by entrepreneurial and industrial skills having a sense of social awareness and responsibility.

To inculcate amongst the graduates a knack of critical thinking, leading to generation of new knowledge and its dissemination.

To imbibe lifelong learning and research aptitude leading to innovative research and development.

#### *Programmes offered in the Department*

**Bachelor of Engineering (B.E.)**

**Sanctioned Intake : 120**

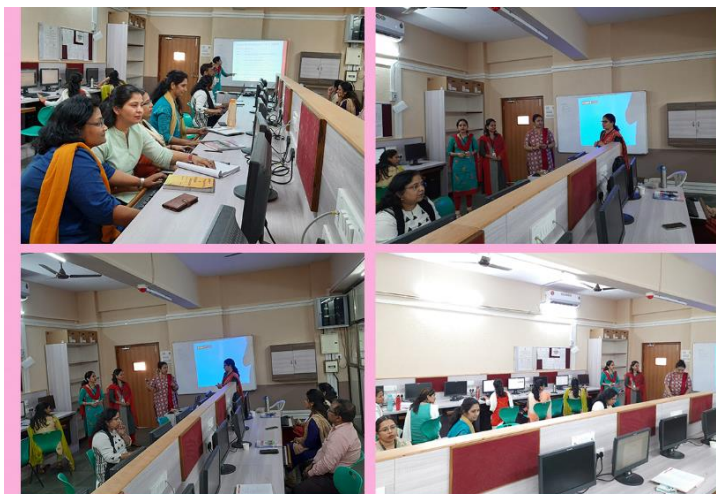
**Lateral Entry : 12**

**Master of Engineering (M.E.)**

**Intake : 09**

**Doctor of Philosophy (Ph.D)**

**Intake : 12**



Knowledge Sharing sessions on  
Web Technologies for faculties  
by Ms. Bidisha, Ms. Varsha N.  
& Ms. Pratibha



## 4<sup>th</sup> Inter Collegiate Final Year Project Competition

**Date and Time:** Monday, 4/4/2021, 10.00 am onwards

**YouTube link:** Inauguration you tube Link : <https://youtu.be/iQSVo6igpbq>

**Valedictory YouTube link :** <https://youtu.be/FZY6nHBMlQs>

Prakalp Co-conveners:

Ms. Dakshata Panchal and

Ms. Pradnya Sawant

Convenor and HOD

Dr. Kavita Sonawane



**ST. FRANCIS INSTITUTE OF TECHNOLOGY**  
MOUNT POINSUR, S.V.P. ROAD, BORIVLI (WEST), MUMBAI - 400103

DEPARTMENT OF COMPUTER ENGINEERING ORGANIZES

4<sup>th</sup> INTER COLLEGE FINAL YEAR PROJECT COMPETITION

**PRAKALP 2022**  
REVOLUTIONIZE THE WORLD WITH YOUR INNOVATION

2<sup>nd</sup> PRIZE Rs. 2500 | 1<sup>st</sup> PRIZE Rs. 3500 | 3<sup>rd</sup> PRIZE Rs. 1500

**PROJECT CATEGORIES**

- INTELLIGENT SYSTEMS
- KNOWLEDGE DISCOVERY & DATA MINING
- NETWORK & INFORMATION SECURITY
- IMAGE PROCESSING & APPLICATIONS
- EMBEDDED SYSTEM & UBIQUITOUS COMPUTING
- COMMUNICATIONS NETWORK & DISTRIBUTED SYSTEMS
- ADVANCED TECHNOLOGIES & SOFTWARE ENGINEERING

**REGISTRATION DETAILS**

prakalpcmpn@sfit.ac.in

Last Date of Registration: 23rd March 2022

Date of Competition: 4th April 2022

**Student Registration:**  
Internal: Rs. 150/- per group  
External: Rs. 250/- per group

**INSTRUCTIONS:**

- Only Final Year projects will be accepted.
- Projects of ECE, IT, ELECTRICAL and MECHANICAL can also participate under suitable categories.
- Group Size: 3-4 members
- Will be held online


**For further details contact:**  
Ms. G.Anuradha: 9967534067  
Ms. K.Priya: 922205987

**CONVENER:** Dr. Kavita Sonawane, Professor, Head of Department, Department of Computer Engineering

**CO-CONVENER:** Ms. G. Anuradha, Ms. K. Priya, Ms. Dakshata Panchal, Ms. Pradnya Sawant, Project Coordinators, Department of Computer Engineering

**ADVISORY COMMITTEE:** Bro. Jose Thuruthyil, Director, Dr. Sincy George, Principal

Address by Chief Guest Mr. Prabhakar, Founder and CEO of Cenaura, Hyderabad. Mr. Prabhakar gave the participants an overview of work done and startups undertaken by his company for focusing on Industry 4.0. He motivated students towards focusing on RnD and innovation and appreciated the fruitful association of SFIT students with his company.





**Group ID:** E14R563

**Project Title:** Smart Waste Management System

**College Name:** Thakur College Of Engineering and Technology

**Group Members:** Vikas Tiwari, Bimalesh Seth,




**Group ID:** E14R580

**Project Title:** Disaster Response Management Using Deep Learning

**College Name:** Xavier Institute of Engineering

**Group Members:** Himanshu Gharat, Reetik Gupta, Pallav Savla



**Group ID:** E14R581

**Project Title:** Vision Acolyte

**College Name:** Dwarkadas J Sanghvi College of engineering

**Group Members:** Onkar Thorat, Shrey Dedhia, Shubh Nandu, Siddharth Salvi





**Group ID:** E14R572  
**Project Title:** Automated E-Learning system providing adaptive content solutions  
**College Name:** St. Francis Institute of Technology  
**Group Members:** Dias Rebecca Hilary  
 Dsouza Chelsea George  
 Fernandes Delicia Domnic  
 Mewada Bhoomika Shivlal




**Group ID:** E14R569  
**Project Title:** IIoT and ML Powered Predictive Maintenance Using Digital Twins for IXORIO  
**College Name:** St. Francis Institute of Technology  
**Group Members:** Dsouza Ansel Francis  
 D'silva Aaron Arnold,  
 Dsilva Alan Anand,  
 Lobo Sherwin Robinson



## **Hands on Training in Cyber Security and Cyber Crime Investigation**

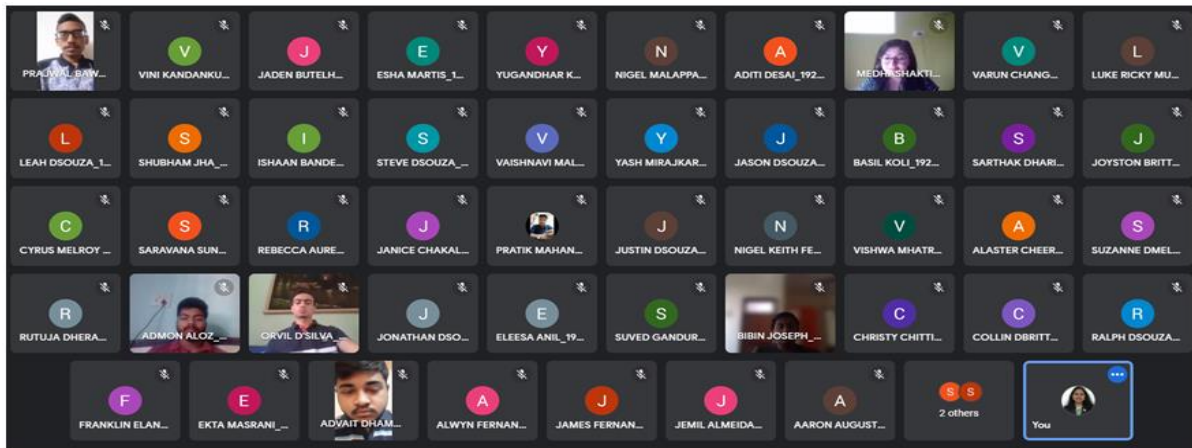
**Date and Time:** 05/03/2022, 10.00 am onwards

**Seminar In-Charges:** Varsha Nagpurkar and Snehal Kulkarni



The speaker of the session Mr. Tanmay Dikshit has given a great insight on Cyber Security in Industries and Opportunities in Cyber security and safety. The speaker started from the basic concept of what are cyber crime and covered various types of cyber crime. The need of a cyber security expert in a software company was mentioned. The role of a Cyber security expert in the corporate world was clearly explained. It was a hands-on session in which 5 practical sessions were conducted. Tools and techniques to find your lost mobile were taught in the first practical. Finding Ip address of your own PC and mobile was taught in one of the practicals. In the fourth practical he gave a link, visiting which visitors data such as data/time of visiting page, ip address, country, Browser and more info was passed to speaker automatically. He made us aware of precaution and safety while downloading apps from online platforms. He also talked about the real time cyber security tools and various opportunities in the field of cyber security. The doubts and questions put by the students were also answered at regular intervals. Overall the session provided a great knowledge regarding cyber security and safety techniques used in software industries.

There were approximately 93 student participants and 10 faculty participants who attended the seminar.



## VALUE ADDED COURSE - WEB DESIGNING WITH REACT

**Date:** From 27<sup>th</sup> June 2022 to 1<sup>st</sup> July 2022      **Time:** 09:30 am to 4:45 pm (6 Hrs per day)

**Venue:** Online (Google meet)

**No. of Registered Students:** 96 TECMPN

### **Resource Person:**

Mr. Satish Audochiya (Head of Python Development, Static.Int Educare)

Mr. Rupesh Mishra (Asst. Professor, SFIT, Mumbai)

### **Topics Covered:**

- |                                  |                     |                   |
|----------------------------------|---------------------|-------------------|
| 1. Introduction to Web Designing | 5. React App        | 11. React Project |
| 2. HTML and CSS                  | 6. React Component  |                   |
| 3. JavaScript                    | 7. Hooks            |                   |
| 4. Introduction to React         | 8. Event Handling   |                   |
|                                  | 9. Lifecycle Method |                   |
|                                  | 10. List Rendering  |                   |



## A Hands-on workshop on Django and MongoDB

**Date of the Workshop:** 28-03-2022 & 30-03-2022,31-03-2022 and 01-04-2022

Incharge for the Seminar: Ms. Jayashri Mittal and Ms. Varsha Nagpurkar



### **Participants: SE CMPN**

Resource persons:

Mr. Satish Audochiya, Industry:-Static.Int Educare

Designation:-Head of Python Development

Mr. Colin Gigool, Industry:- Static. Int Educare

Designation:- Head of Cyber Security

Mr. Siddhant Mishra, Industry:-Static. Int Educare

Designation:-Head of Flutter Development



- Introduction on Django
- What is Django
- Use of Django
- Application of Django
- How to install Django
- Run Various command on command prompt
- Created first project- Todo App
- How Does Django Connect to MongoDB?

## **Tools and Techniques for Articulating Project Planning, Reports and Presentation**

**Date of the Seminar:-**28/03/2022

### **Resource persons:**

Ms. Snehal Kulkarni(Faculty at SFIT) and Mr. Darren Noronha (Final Year student SFIT)

Participants: 119 Students of Third Year Computer Engineering

In-Charge: Ms. Varsha Nagpurkar



The speaker of the session Mr. Darren Noronha has given a great insight on Tools and Techniques for project development. The speaker started from the basic concept of various steps to be followed during the Software Development Life Cycle(SDLC) .The brief about agile methodology was also covered. Using this example students got the clear idea about the software development process. He told about some important tools like Figma for UI designing and prototyping, Notion for notes making and collaborating with others, Trello for creating kanban boards and keeping track on our tasks, Creatly for creating different UML diagrams and Coggle which is oriented towards mind mapping. Using all these tools in our projects will be really helpful and make our tasks easier. Overall the session provided a great knowledge regarding various tools and techniques for articulating project planning, reports and presentation



# Word Embedding in Natural language Processing

**Date of the Seminar/Workshop:** 13-04-2022

**Resource person:** Mr. Cletus Agnello Dsouza, Mastek, Software Engineer

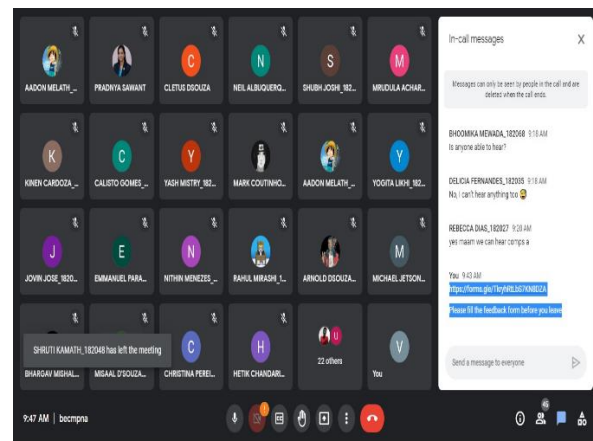
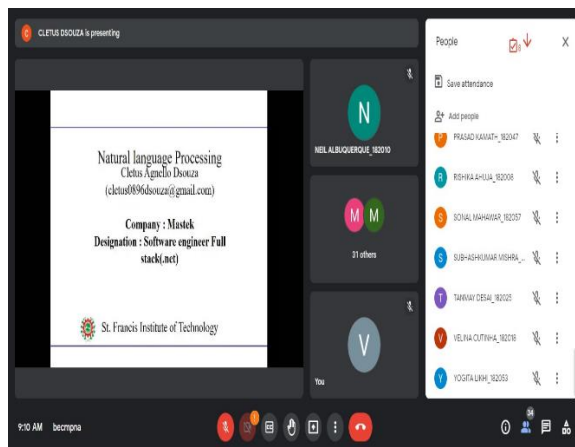
**Webinar Incharge:** Ms. Pradnya Rane and Ms. Vincy Joseph

**Participants:** 100 Students of final year computer Engineering

**Platform:** Google Meet

The contents of the seminar are as follows:

- Introduction
- NLP Basics
- POS tagging and Named Entity Recognition
- Bag of words
- Project



## CODEX ACTIVITIES

### 1. Blockchain

**Event Date:** 22<sup>nd</sup> January 2022  
**Hours)**

**Time:** 11:00 am to 04:00 pm - 2 sessions (4

**Venue:** Online (Microsoft Teams)

**No. of Registered Students:** 100

**Resource Person:** Mr. Jeston Analin

The major objective of this workshop was to familiarize students with the new growing technology of Blockchain. The following topics were covered during the sessions:

1. What is Blockchain (Introduction and History)?

2. Types of Blockchain
3. Ethereum Blockchain basics
4. Block explorer Introduction- Ethereum and Bitcoin
5. Wallet Creation and making transactions hands-on
6. Creating Crypto Token with frontend UI using Web3JS and EthersJS

**KubixSquare**

**Public, Private and Consortium Blockchain**

Blockchain | Network Types

Public

- Many unknown participants
- Writen by all participants
- Reads by all participants
- Consensus by Proof of Work

Private

- Known participants from one organization
- Write permissions restricted
- Reads may be public or restricted
- Multiple algorithms for consensus

Consortium

- Known participants from multiple organizations
- Writen require consensus of several participants
- Reads may be public or restricted
- Multiple algorithms for consensus

Source: Blockchain blog by World Bitcoin (https://blog.bitcointalk.com/blockchain-bitcoin/)

Blockchain Technology

**KubixSquare**

**Blockchain Introduction and History**

- **Cryptography :**  
Earliest existence was from 1900 BC.  
In modern times, it came into existence when was published in the *Bell System Technical Journal* in 1949.  
The aging DES was officially replaced by the *Advanced Encryption Standard (AES)* in 2001.
- **Hashing :**  
*Hashing* was a common technique used in *cryptography* to *encode information* quickly using typical algorithms used by *US Defense Agencies*.
- **Timestamp :**  
In 1991 only, Dr. W. Scott Stornetta and Dr. Stuart Haber came with this concept of Time-Stamping.
- **Merkle Tree :**  
Its concept was first patented in 1979 by *Ralph Merkle*.

Blockchain Technology

## 2. BrewUp to CodeXpress 5.0



Event Date: **28<sup>th</sup> March 2022**

Time: **01:00 pm to 03:00 pm (2 Hours)**

Venue: **Offline - Lab No. 128**

No. of Registered Students: **85**

BrewUp to CodeXpress 5.0 was conducted offline in college in Lab 128

to prepare participants for the upcoming event CodeXpress 5.0. The coding competition was conducted on CodeChef platform. Six coding questions were to be solved by the participants within 2 hours.

## 3. CodeXpress 5.0

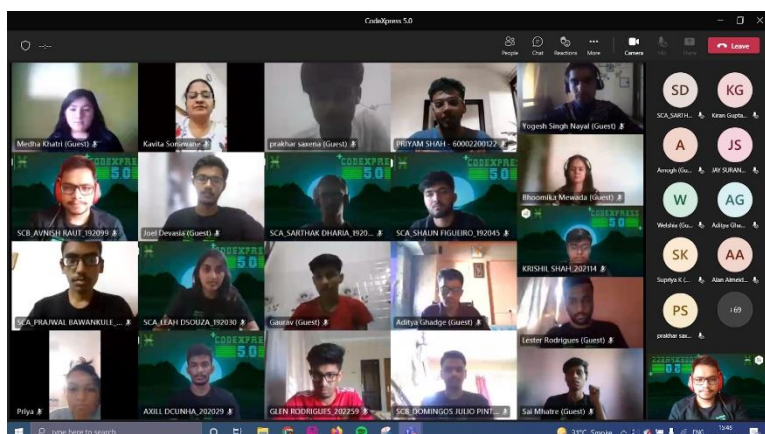
Event Date: **2<sup>nd</sup> April 2022**

Time: **04:00 pm to 07:00 pm (3 Hours)**

Venue: **Online – PrepBytes Platform**

No. of Registered Students: **275**

**CodeXpress 5.0** - The Clash of Coders is the annual flagship competition held by CODEX-SFIT and CODECHEF SFIT Chapter. The event's sponsors for this year were PrepBytes, KubixSquare and Newton School. This competition was organized for participants from all over the country. It was conducted on 2nd March 2022 from 04:00 pm to 07:00 pm for 3 hours. The competition was conducted on PrepBytes Platform.



The CodeX team was providing constant support to the participants all throughout through means of WhatsApp and Zoom meeting. There were a total of 275 participants for this competition from all over the country.

## TEACHING FACULTY ACHIEVEMENTS

### Workshop/Seminar/STTP/TEQIP Attended by faculty

Sr. No.	Name of the Person	Name of the Workshop/ Seminar/ STTP	Date	No. of days	Professional Body associated (if any)	Venue Details
1	Sachin D More	One Day Faculty Development Program on Cloud Computing	11th FEB 2022	1 day	Dr. Aniruddha Rumale ,G.H. Rasoni COE,Wagholi	Amrutvahini College of Engineering, Pune, -422 608
2	Pradnya Sawant	Two weeks online Faculty development programme on “Natural Language Processing”	7- 18 February, 2022	Two weeks	Electronics and ICT Academies at IIT Kanpur, IIT Roorkee, MNIT Jaipur, PDPM IITDM Jabalpur and NIT Patna	Online
3	Pradnya Sawant	Orientation of NLP 2022	8-7-22	1 day	AICTE	Online
4	K. Priya	Orientation of ML	4-7-2022	1 day	AICTE	Online

### Workshop/Seminar/STTP/TEQIP Conducted by faculty

Sr. No.	Name of the faculty	STTP/ Workshop/ Seminar Conducted	Topic	Conducted for	Date
1	Snehal Kulkarni	Seminar	Tools and techniques for Articulating Planning, Scheduling And Project Management	T.E CMPN Students	28/03/2022



2	Pradnya Sawant	RnD Lecture	Introduction to Latex-Beamer	Faculties	20/4/22
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## DEPARTMENTAL RESEARCH ACTIVITIES

Sr. No	Name of the Faculty	Name of Project	Status of Completion in %
1	Ms. Ankita Karia, Ms. K. Priya	Stock management system	30%
2	Mr. Shamsudin Khan, Ms. Nidhi Gaur	Automation of Exam Result Generation	50%

## PRODUCT DEVELOPMENT/ OUTHOUSE PROJECTS

Sr. No.	Product / Project Title	Name of Faculty	Name of Students
1	Android Application for True Binaries Company	Ms. Safa Hamdare	Bhoomika Mewada, Chelsea Dsouza, Rebecca Dsouza, Delicia Fernandes
2	Automated E-Learning system providing adaptive content solutions for Claraeon Learning	Ms. Anuradha S.	Dias Rebecca Hilary, Dsouza Chelsea George, Fernandes Delicia Domnic, Mewada Bhoomika Shivlal
3	IIoT and ML Powered Predictive Maintenance Using Digital Twins for IXORIO	Ms. Anuradha S.	D'silva Aaron Arnold Joseph, Dsilva Alan Anand, Dsouza Ansel Francis Abraham, Lobo Sherwin Robinson
4	Cloud Based Video Hosting Website	Ms. Nidhi Gaur	Dhuri Shravani Pralhad, Rebello Clare Richard, Rebello Kate Robin, Shah Janhvi Hitesh
5	Mental State Detection And Post Treatment Using Natural Language Processing	Ms. Jayashri Mittal	Lopes Lance Michael, Gigool Colin Larry, Gonsalves Livia Sanjeev, Correia Cairn Nelson

## FACULTY PUBLICATIONS

Sr. No	Name of Faculty	Title of publication	Publication details	Date of publication	Journal/ Conference
1	Dr. Kavita Sonawane	Parallel Algorithm to Efficiently Mine High Utility Itemset	ICT Analysis and Applications. Lecture Notes in Networks and Systems, vol 314. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-5655-2_16">https://doi.org/10.1007/978-981-16-5655-2_16</a>	January 2022	Springer Book Series

2	Dr. Kavita Sonawane	A Review of High Utility Itemset Mining for Transactional Database	MISP 2021 3rd International Conference on Machine Intelligence and Signal Processing, NIT Arunachal	23-25 September 2021	Conference
3	Ms. Dakshata Panchal	Feature sensitive geometrically faithful highly regular direct triangular isotropic surface remeshing	Sādhanā, 47(2), 1-19.	May 2022	Springer Journal
4	Ms. Anuradha S	Estimation of the Remaining Useful Life using LSTM	Presented paper at International virtual conference on "Emerging Era of Applications of Computer" Host: Department of PG studies and Department of Computer Science and Engineering, Udaipur (Waiting for publication)	15th-16th January, 2022	Conference

### STUDENT ACHIEVEMENTS

***"CONGRATULATIONS TO ALL THE TOPPERS!!"***

*(Result of May 2022)*

#### SEM IV

Rank	Name of the Students	SGPA
1	CIMMONA COSTAND PEREIRA	10
2	SHREYA GANESH CHANDRA PANDEY	9.88
3	PARTH NITESH BARAI	9.75
	SWARALI SANJAY MAHIMKAR	

#### SEM VI

Rank	Name of the Students	SGPA
1	PRAJWAL SHIVDAS BAWANKULE	10
	ALWYN ANTHONY FERNANDES	
	MEDHASHAKTI OM PRAKASH KHATRI	
	TRIPTI KRISHNA NAYAK	
2	SUZANNE WILFRED DMELLO	9.74
	REBECCA AURELIA GILBERT DSOUZA	

3	JADEN CLEMENT BUTELHO	9.61
	BIBIN SAJU JOSEPH	
	MANJOT KAUR AMRITPAL SINGH SOKHI	
	SALONI CHANDRASHEKHAR KHATU	



## *Certificate of Merit*

This is to certify that **Dr. Kavita Sonawane** of **St. Francis Institute of Technology, Borivali** has guided a research proposal titled **Detection and classification of Diabetic Retinopathy Using Machine Learning and image processing techniques** which was Presented by her student **Ms. Nadar Gladcy** in **Engineering and Technology** category and **PG** level and secured **THIRD** Rank at the **Final Round of 16th Inter-Collegiate / Institute / Department Avishkar Research Convention: 2021-22** organised on Virtual Platform by University of Mumbai on May 2, 2022.



## STUDENT ACTIVITIES

### Workshops/Technical Events/Competition/Project Competition/Exhibition-Conducted

Sr. No	Event Date	Title of workshop /Event name	Name of the student	Class	Venue	No of students who attended the workshop	Details	Professional Body associated
1	19/03/2022 - 20/03/2022	Intrahack	Avnish Jayprakash Raut	TE CMPN B	Online (Google Meet)	60	Committee Head	Intrahack SFIT
2	19/03/2022 - 20/03/2022	Intrahack	Somnath Pratik	TE CMPN B	Online (Google Meet)	60	Tech Head	Intrahack SFIT

### Workshops/Technical Events/Competition/Project Competition/Exhibition-Attended

Sr. No	Event Date	Title of workshop /Event name	Name of the student	Class	Venue	Achievement/ Participated	Professional Body associated
1	12th March 2022	SQL Workshop	Vaishnavi Vilas Sawant	SE CMPN B	Online	Participated	IETE SFIT
2	12th March 2022	SQL Workshop	Renoy D'souza	SE CMPN BA	Online	Participated	IETE SFIT
3	22/01/2022 - 23/01/2022	Unscript 2k22	Anushree Poojary	TE CMPN B	Online - Meet	<b>2nd Prize</b>	Fr. Conceicao Rodrigues College of Engineering, Bandra
4	03/ 02/2022 - 04/02/2022	Irada-Innovathon 2022	Anushree Poojary	TE CMPN B	Online - Meet	<b>2nd Prize</b>	LD College of Engineering, Ahmedabad
5	11/02/2022- 13/02/2022	Hack-A-Web	Tripti Nayak	TECMPNB	Online - Meet	Participated	E-CELL MANIT Bhopal
6	11/02/2022- 13/02/2022	Hack-A-Web	Neha Pattankar	TECMPNB	Online - Meet	Participated	E-CELL MANIT Bhopal
7	15/01/2022	Graphics Design Webinar	Sara A.M. Shaikh	T.E. / CMPN - B	Online (Google Meet)	Participated	E - Cell SFIT
8	22/01/2022	Blockchain Workshop	Sara A.M. Shaikh	T.E. / CMPN - B	Online (Microsoft Teams)	Participated	CodeX SFIT
9	29/01/2022	Lights, Camera,..... Edit Workshop	Sara A.M. Shaikh	T.E. / CMPN - B	Online (Google Meet)	Participated	CSI SFIT

10	22/01/2022	Getting Started with AWS Machine Learning	Alvin Alexander Solomon	TE CMPN B	Online	Participated	Coursera
11	20/01/2022	5 Ways to Build a Better LinkedIn Profile	Alvin Alexander Solomon	TE CMPN B	Online	Participated	Coursera
12	11/01/2022	Introduction to Cybersecurity Tools & Cyber Attacks	Alvin Alexander Solomon	TE CMPN B	Online	Participated	Coursera
13	15/01/2022	Graphics Design Webinar	Domingos Julio Pinto	TE CMPN B	Online (Google Meet)	Participated	E-Cell SFIT
14	29/01/2022	Lights, Camera,.... Edit Workshop	Domingos Julio Pinto	TE CMPN B	Online (Google Meet)	Participated	CodeX - SFIT
15	22/01/2022	Blockchain Workshop	Pranav Pandurang Yadav	TE CMPN B	Online - Meet	Participated	SFIT
16	19/03/2022 - 20/03/2022	IntraHack	Anushree Poojary	TE CMPN B	Online - Meet	<b>3rd Rank</b>	Codex-SFIT
17	19/03/2022 - 20/03/2022	IntraHack	Tripti Nayak	TE CMPN B	Online - Meet	<b>3rd Rank</b>	Codex-SFIT
18	02/04/2022	CodeXPress 5.0	Avnish Jayprakash Raut	TE CMPN B	Online	Participated	Codex-SFIT
19	02/04/2022	CodeXPress 5.0	Somnath Pratik	TE CMPN B	Online	Participated	CodeX - SFIT

### STUDENTS PUBLICATIONS

Sr. No	Author's Name	Paper Title	Publication details	Date of publication	Class
1	Halarnkar Soham Sham	Sign language Translator Sign language Translator	Presented paper at the International Conference on Trends in Engineering, Applied Sciences and Management( <b>IC-TEAM 2022</b> ) held at St. John COE(Waiting for publication)	8 and 9 April 2022	BE CMPN
2	Hatankar Mihir Vijay				
3	Jain Harsh Sandip				
4	Menezes Rithin Johnson				
5	Ansel D'souza	Estimation Of The Remaining	Presented at International virtual Conference on " <b>Emerging Era of</b>	15th-16th January,	BE CMPN

6	Aaron D'silva	Useful Life Using LSTM	<b>Applications of Computer"</b> Host: Department of PG studies and Department of Computer Science and Engineering, Udaipur (Waiting for publication)	2022	
7	Alan D'silva				
8	Sherwin Lobo				

### LIST OF STUDENTS WHO COMPLETED INTERNSHIPS

Sr. No.	Student's Name	Class / Sem / Div	Industry Worked with	Start date	End Date	Duration (weeks/ months)
1	Renoy Dsouza	SE CMPN A	Stock trading firm/ Broking industry (Upstox)	01/06/22	31/07/22	2 months
2	Rachel Abraham	SE CMPN B	Skill vertex	5 December	5 January	1 month
3	Varad Jayant Prabhu	SE CMPN A	Python (Django) Development Internship organised by Codeif Technologies Pvt. Ltd.	February 2, 2022	March 4, 2022	1 month
4	Luke Ricky Jacob Munduchirackal	TE CMPN A	Data Science Internship organised by Exposys Data Labs	February 5, 2022	March 4, 2022	1 month
5	Preksha Prakash Nair	TE CMPN B	Artificial Intelligence and Machine Learning with application in field of Business and Healthcare organised by YBI Foundation	January 1, 2022	March 1, 2022	2 months
6	Sara Abdul Mujeeb Shaikh	TE CMPN B	Fundraising Internship organised by Victor Welfare Association	December 8, 2021	January 8, 2022	1month



7	Selas Sebastian Moro	BE CMPN B	YBI Foundation organised by YBI Foundation	November 27, 2021	January 12, 2022	2 week
8	Nisarg Jagesh Desai	BE CMPN A	Internship Attended on DCB Bank organised by SFIT	December 6, 2021	February 9, 2022	2 months
9	Kartik Parmar	BE CMPN B	Kanz IT	02/01/2022	04/30/2022	2 months
10	Aditya Sutar	BE CMPN A	Godrej properties	6th Jan, 2022	6th Feb, 2022	1 month
11	Precious Rodrigues	CMPN B	Vistaar Digital Pvt. Ltd.	1 June 2021	2 February 2022	8 months
12	Keegan Vaz	TE CMPN B	CALIBRANT CLASSES	08-Jan- 2020	PRESENT	2years4mos
13	Pranav Yadav	TE CMPN B	Dashlabs.ai (YC W21)	01-06- 2022	31/07/2022	2 Months
14	Alvin Alexander Solomon	TE CMPN B	Kaboodle Innovations	Aug 2021	May 2022	10 Months

## DEPARTMENT OF INFORMATION TECHNOLOGY

### OUR VISION

To create a conducive instrument for transforming the enrolled potential fresher into competent Information Technology professional or entrepreneur with integrity and ethical value.

### OUR MISSION

To become unit of excellence in teaching, training, research, innovative application and extension work in IT in co-operation with various other departments.

To make knowledge and expertise accessible with various dissemination strategies, including networking with research unit, colleges, government and industry along with the motivation for self-learning.

To integrate teaching, research and practice along with higher education for generation and application of knowledge in line with emerging needs of industry, technical quality with market driven professional pursuits, programs, courses, collaboration.

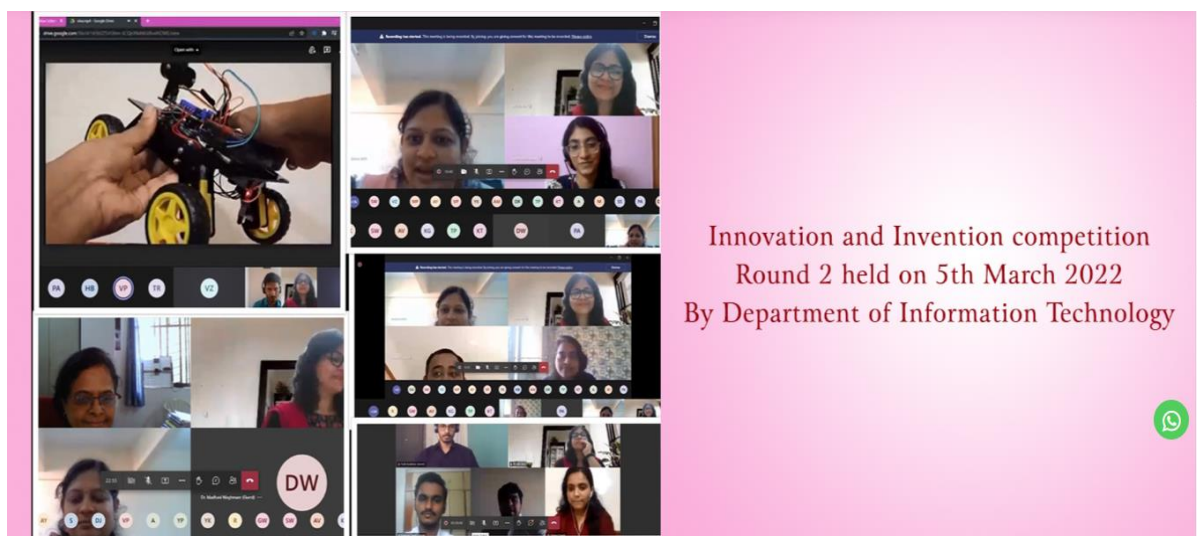
To develop entrepreneur skills along with ethical and professional values among the students.

### *Programmes offered in the Department*

**Bachelor of Engineering (B.E.)**

**Sanctioned Intake : 120**

**Lateral Entry : 12**



Workshop / Seminar / Conference Attended ( Jan-June YEAR 2021-2022)					
SN	Date	Duration	Attended By	Title of Workshop / course/ Seminar / Conference	Organizing Body
1	6/06/2022 to 10/6/2022	5 Days	Dr. Minal Lopes	Incorporating Universal Human Values in Education	AICTE
2	3-1-2022 to 7-1-2022	5 days	Dr. Vaishali Jadhav	Data science using Python	Thadomal Shahani College of Engineering, Mumbai
3	21/2/22 to 26/2/22	One week	Prajyoti Dsilva	Computer Vision : an Artificial Intelligence for an Eye	IIT Indore QIP program
4	3rd Jan 2022 to 7th Jan 2022	5 Days	Ms. Priyanka Patil	ISTE approved STTP on Data Science Using Python Lab	Thadomal Sahani College of Engineering, Bandra
5	18th June to 24th June 2022	6 days	Ms. Priyanka Patil	ISTE approved STTP on "Digital Forensics for Cyber Security"	RAIT, Navi Mumbai
6	25 - 27th March 2022	3 days	Dr. Prachi Raut	IEEE Bombay Section Teacher's congress	IEEE Bombay Section
7	2 and 3 April 2022	2 days	Dr. Prachi Raut	Faculty Training Program on Industry 4.0	IEEE India Council
8	18th June to 24th June 2022	6 days	Ms. Gigi Joseph	Digital Forensics for Cyber Security	RAIT, Navi Mumbai
9	18th June to 24th June 2022	6 days	Ms. Sonali Suryawanshi	Digital Forensics for Cyber Security	RAIT, Navi Mumbai
10	18th June to 24th June 2022	6 days	Ms. Jesleena Gonsalves	ISTE approved STTP on "Digital Forensics for Cyber Security"	RAIT, Navi Mumbai
11	6th June to 11 June 2022	6 days	Amruta Mhatre	ISTE approved STTP on "Cyber security and Artificial Intelligent	Thakur College of Engineering ,Mumbai
12	6th June to 11 June 2022	6 days	Balaraju Vijayalakshmi	ISTE approved STTP on "Cyber security and Artificial Intelligent	Thakur College of Engineering ,Mumbai

13	6th June to 11 June 2022	6 days	Aruna pavte	ISTE approved STTP on "Cyber security and Artificial Intelligent	Thakur College of Engineering ,Mumbai
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Workshop / Seminar / Conference Conducted ( Jan-June YEAR 2021-2022)					
SN	Emp. Name	Date	Duration	Title of Workshop / course/ Seminar / Conference	Organizing Body
1	Aruna Pavate	21 February, 2022	1 day	Resource person , "Technical paper writing for Beginners"	Atharva college of engineering , Malad west Mumbai
2	Ms Grinal M Tusciano	05th January,2022.	1 day	" MongoDB_HandsOn "	ISTE approved STTP organized by St. Xavier College of Enginnering, Mahim
3	Amrita Mathur	23rd April 2022	1 Day	"LATEX for Document Preparation"	Skill Development cell, SFIT

1	Dr.Vaishali Jadhav	Rahul Pereira, Beryl Coutinho, Jenslee Dsouza, Cyrus Ferreira, Dr. Vaishali Jadhav, "Near Human Level Style Transfer", in Practical Data Mining Techniques and Applications, CRC Press, Taylor & Francis Group, USA (Scopus Indexed) <b>Accepted</b>
2	Dr.Vaishali Jadhav	Martin Devasia, Sakshi Shetty, Sheldon Moonjelil, Leander Pereira, Dr. Vaishali Jadhav," Wall Paint Visualizer Using Panoptic Segmentation", in Practical Data Mining Techniques and Applications, CRC Press, Taylor & Francis Group, USA (Scopus Indexed) <b>Accepted</b>
3	Dr.Minal Lopes	Anushka Yadav , Shriya Wade , Mihir Kanade , Giselle Coutinho, Dr. Minal Lopes, 2022, Secureit- Android Security App, International Journal Of Engineering Research & Technology (IJERT),Volume 11, Issue 05 (Published (First Online): 13-05-2022), ISSN: 2278-0181
4	Ms. Vandana Patil	Patil, Vandana, And Deepak Jayaswal. "Enhancing The Aggregate Diversity With Mutual Trust Computations For Context-Aware Recommendations." Sādhanā 47, No. 1 (2022): 1-17.



5	Ms. Vandana Patil	Preston Fernandes, Yash Gupta, Bruno Colas, And Vandana Patil, "APPARELS: Subscription Based E-Commerce", Joston Fernandes, In The Proc Of International Multidisciplinary Conference On Research, Technology & Engineering [Imcrete-2022] Organized By KJEI's Trinity Academy Of Engineering, Pune
6	Ms. Vandana Patil	Hrutik Naik, Shrumi Dedhia, Ashwini Dubbewar, Meet Joshi and Vandana Patil, "Myers Briggs Type Indicator (MBTI) - Personality Prediction using Deep Learning", 2nd Asian Conference on Innovation in Technology (ASIANCON), 2022. <b>Accepted</b>
7	Ms. Shree Jaswal	Gauri Kesarkar, Sapana Babar, Priyanka Aurade, Shree Jaswal, "Hoax News Detection in Twitter", International Journal of Recent Advances in Multidisciplinary Topics, Volume 2, Issue 4, pp 59-62, ISSN (Online): 2582-7839
8	Ms. Shree Jaswal	Shubham Pawar, Pritesh Patne, Priya Ratanghayra, Simran Dadhich, Shree Jaswal, " Movies Recommendation System Using Cosine Similarity", International Journal Of Innovative Science And Research Technology (IJISRT), Volume 7, Issue 4, April – 2022, pp. 342-346, ISSN No:-2456-2165
9	Ms. Shree Jaswal	Dylan Coelho, Leon Correia, Neil Fernando, Cliff Machado, shree Jaswal "Collating SQL Databases, No-SQL Databases And Machine Learning Algorithms For Data Analysis", International Journal Of Innovative Science And Research Technology (IJISRT), Volume 7 - Issue 4, pp. 1129-1134, April- 2022 , ISSN No:-2456-2165
10	Ms. Grinal Tuscano	Meet Popat, Aayush Doshi, Yashraj Rai, Deep Vakharia, Grinal Tuscano "Alexis : A Voicebased Chatbot Using Natural Language Processing", International Journal Of Engineering Research & Technology (IJERT), Vol. 11 Issue 04, April-2022, ISSN: 2278-0181
11	Ms.Mrinmoyee Mukherjee	Mrinmoyee Mukherjee, Kevin Noronha, " Performance Evaluation Of Illuminance And Received Power For Indoor Visible Light Communication", 2nd International Conference On Emerging Trends And Innovations In ICT, Springer And Bentham Science, 10-12th March 2022.
12	Ms.Mrinmoyee Mukherjee	Leafia Dias, Ketki K, Kunal D, Joanne G, Mrinmoyee M, "Signend:An Indian Sign Language Assistant", IEEE Region 10 Symposium Tensymp 2022 ( <b>Accepted</b> )
13	Ms. Priya Chaudhari	Ms. Sonal Holankar, Mr. Parth Mehta, Mr. Saurabh Vichare, Ms. Rutuja Patil, Mr. Vaibhav Kala, Ms. Priya Chaudhari, "International Journal Of Scientific Research In Engineering And Management (IJSREM) ", Vol. 06, Issue 04, April 2022, Pp. 1-6
16	Ms. Aruna Pavate	<u>Pavate, Aruna Animish And Rajesh Bansode. "Generation Of Adversarial Mechanisms In Deep Neural Networks: A Survey Of The State Of The Art." IJACI Vol.13, No.1 2022: Pp.1-18.</u> <u><a href="http://doi.org/10.4018/IJACI.293111">Http://Doi.Org/10.4018/IJACI.293111</a></u>

**WINNERS OF TECHNICAL EVENTS ORGANIZED  
BY ST. FRANCIS INSTITUTE OF TECHNOLOGY**

<b>Sr No.</b>	<b>Year</b>	<b>Name of the student</b>	<b>Event</b>	<b>Achievement</b>
1	3/15/2022	Niharika Pattabhi	Innovation and invention	First Prize
2	3/15/2022	Medha Kumble	Innovation and invention	First Prize
3	3/15/2022	Shreyas Tulpule	Innovation and invention	First Prize
4	3/15/2022	Yashodeep Pawar	Innovation and invention	First Prize
5	3/21/2022	Martin Devasia	SFIT IntraHack (Internal SIH)	First Prize
6	3/19/2022	Mukunda Umesh Gujjar	INTRAHACK SFIT 2022	First Prize
7	3/19/2022	Vrundali Ghanshyam Navadiya	Smart India Hackathon	First Prize
8	04-09-2022	Ketaki Keluskar	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
9	04-09-2022	Anviksha Dixit	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
10	04-09-2022	Krunal Doshi	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
11	04-09-2022	Leafia Dias	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
12	04-09-2022	Yash Mahajan	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
13	04-09-2022	Joel Miranda	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
14	04-09-2022	Deep Manish Mehta	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
15	04-09-2022	Ron Roman Pinto	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
16	04-09-2022	Gauresh Wadekar	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
17	04-09-2022	Shweta Malekar	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
18	04-09-2022	BLOSSOM MICHAEL FERNANDES	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
19	04-09-2022	Ramprasad Ghosh	Colloquium 2022 on 'Wave - IT in Pandemic'	First Prize
20	04-09-2022	Joshua D'souza	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
21	04-09-2022	Selina Ger	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize

22	04-09-2022	Leni Wilson	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
23	04-09-2022	Nikhil Lobo	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
24	04-09-2022	Faustina Lazarus	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
25	04-09-2022	Bennet Menezes	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
26	04-09-2022	Monik Kaole	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
27	04-09-2022	Dhruv Dave	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
28	04-09-2022	Ethan Moraes	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
29	04-09-2022	Josh Jestine	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
30	04-09-2022	Akshat Oza	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
31	04-09-2022	Vedant Vilas Kadam	Colloquium 2022 on 'Wave - IT in Pandemic'	Second Prize
32	3/15/2022	Almasfiza Anwar Hussain Shaikh	Innovation and invention	Second Prize
33	3/15/2022	Yash Kudalkar	Innovation and invention	Second Prize
34	03-05-2022	Royce Lobo	Innovation and Invention	Second Prize
35	03-05-2022	Kashyap Talati	Innovation and Invention	Second Prize
36	3/15/2022	Alsten Vaz	Innovation and invention	Second Prize
37	3/15/2022	Shriya Wade	Innovation and invention	Second Prize
38	3/15/2022	Anushka Yadav	Innovation and invention	Second Prize
39	04-09-2022	Seedhita Chavan	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
40	04-09-2022	Siddhesh Dhoke	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
41	04-09-2022	Parmar Viren Prakash	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
42	04-09-2022	Rohan Raval	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
43	04-09-2022	Yash Tulsidas Vasani	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
44	04-09-2022	Parth Magiya Chaitanya	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
45	04-09-2022	Madhu V	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize

46	04-09-2022	Jeet Vartak	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
47	04-09-2022	Upadhye Prathamesh	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
48	04-09-2022	Adheesh salian	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
49	04-09-2022	Nidhi Satish Sawant	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
50	04-09-2022	Paria Sasank Tapan	Colloquium 2022 on 'Wave - IT in Pandemic'	Third Prize
51	04-09-2022	Pinto Relson	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
52	04-09-2022	RODRIGUES KEVIN	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
53	04-09-2022	POTNIS PURANJAY	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
54	04-09-2022	SEQUEIRA FELICIA	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
55	04-09-2022	Ankita Tripathi	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
56	04-09-2022	Coutinho Reuben	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
57	04-09-2022	Gupta Anshika	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
58	04-09-2022	Rodrigues Rhea	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
59	04-09-2022	Asher Walter Rodrigues	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
60	04-09-2022	Kashid Tejas Surendra	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
61	04-09-2022	Rohan Amol Vanmali	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
62	04-09-2022	Princewel Manbhat	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
63	04-09-2022	Gideon Harpanahalli	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
64	04-09-2022	Arpan Dhamelia	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
65	04-09-2022	Arya Doshi	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
66	04-09-2022	Hitanshu parekh	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize



67	04-09-2022	Esha Anant Dhuri	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
68	04-09-2022	Krutika Chaudhari	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
69	04-09-2022	Vishal Ajitkumar Yadav	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
70	04-09-2022	Rushikesh Borakhede	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
71	04-09-2022	Parth Mhatre	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
72	04-09-2022	Viraj Mhatre	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
73	04-09-2022	Viraj Gujar	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize
74	04-09-2022	Harsh Mandviya	Colloquium 2022 on 'Wave - IT in Pandemic'	Consolation Prize

Non- Technical Event- Outside Institute					
Sr No.	Year	Name of the student	Event	Organising College	Achievement
1	03-07-2022	Vedang Mhadgut	Ymca badminton tournament	Ymca	Consolation Prize
2	19-02-2022	Parth Rambhia	Fury'22- Table Tennis	NMIMS	3rd prize
Non- Technical Event- Inside Institute					
Sr No.	Year	Name of the student	Event	Organising College	Achievement
1	26-01-2022	Parth Rambhia	Elocution NDLI	SFIT	1st prize
2		Nikhil lobo	Itsa debate	Sfit	2nd prize
3	04-02-2022	Leon Corriea	Ignitra	SFIT	1st prize
Student Achievements & Participation: Publications					

1. Shubham Pawar, Pritesh Patne, Priya Ratanghayra, Simran Dadhich, Shree Jaswal, "Movies Recommendation System using Cosine Similarity", *International Journal of Innovative Science and Research Technology (IJISRT)*, Volume 7, Issue 4, April – 2022, 342-346, April 2022.
2. Dylan Coelho, Leon Correia, Neil Fernando, Cliff Machado, Shree Jaswal, "Collating SQL databases, No-SQL databases and Machine learning algorithms for Data Analysis", *International Journal of Innovative Science and Research Technology (IJISRT)*, Volume 7 - Issue 4, April- 2022, 1129-1134, April 2022.

3. Jilson Correia; Sonali Suryawanshi; Lisa Foss; Magnus Lopes; Tanya Rodrigues. "SmartSetGo: A Learning Management System." Volume. Volume. 7 Issue. 4, April - 2022 , International Journal of Innovative Science and Research Technology (IJISRT), [www.ijisrt.com](http://www.ijisrt.com). ISSN - 2456-2165, PP :- 1231-1235. <https://doi.org/10.5281/zenodo.6569922>
4. Anushka Yadav , Shriya Wade , Mihir Kanade , Giselle Coutinho, Minal Lopes, "SecureIT- Android Security App", *International Journal of Engineering Research & Technology (IJERT)*, Volume 11, Issue 05, DOI: <https://www.ijert.org/research/secureit-android-security-app-IJERTV11IS050037.pdf>, pp. 72-77, May 2022.
5. Clive Dsouza, Dion Chettiar, James Dsouza, Ashik Prakash, Alvina Alphonso, "Virtual Interior Decor App", *International Research Journal of Engineering and Technology (IRJET)*, Volume 09, Issue 02, 991-995, February 2022.
6. Meet Popat, Aayush Doshi, Yashraj Rai, Deep Vakharia, Grinal Tuscano, ""Alexis : A Voicebased Chatbot Using Natural Language Processing"", *International Journal Of Engineering Research & Technology (IJERT)*, Vol. 11 Issue 04, ISSN: 2278-0181, p, April 2022.
7. Sonal Holankar, Parth Mehta, Saurabh Pathare, Rutuja Patil, Vaibhav Kala, Priya Chaudhari, "ParkWithMe: Android Application for Smart Parking Booking System", *International Journal of Scientific Research in Engineering and Management*, 06, 1-6, April 2022.
8. Sonal Holankar, Shefali Pereira, Orpheus Gonsalves, Clane Rumao, Prachi Raut, " Astronomical Almanac's Algorithm Based Dual Axis Solar Tracker", *International Journal Of Engineering Research & Technology (IJERT)*, Vol. 9 Issue 06, ISSN: 2951-2927, June 2022.

## DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS

### OUR VISION:

To become a centre of excellence globally in the field of Electronics and Telecommunication where teamwork, innovation, and research are encouraged to nurture and develop graduates and post graduates with strong academic foundation and an all-round personality with ethical values.

### OUR MISSION:

To impart quality technical education and expose students to state-of-the-art technologies in the field of Electronics and Telecommunication Engineering.

To imbibe ethical and professional values, inculcate the quest for higher learning and an aptitude for research and global competency.

To develop entrepreneurial skills amongst students to cater to the challenges of industry and society.

To motivate students towards research, leading to multidisciplinary innovative projects.

*Programmes offered in the Department*

**Bachelor of Engineering (B.E.)**

**Sanctioned Intake : 120**

**Lateral Entry : 12**

**Master of Engineering (M.E.)**

**Intake : 18**

**Doctor of Philosophy (Ph.D)**

**Intake : 15**



**Workshop/Seminar/Conference Attended**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Workshop/Seminar/Conference</b>	<b>Organizing Body</b>
1.	Ms. Snehal Lopes	AICTE Sponsored QIP Short Term Course on Emerging Applications of Engineering Electromagnetics	Indian Institute of Information Technology Design and Manufacturing, Kancheepuram, from 17.02.2022 to 22.02.2022
2.	Ms. Monika Cheema	AICTE Sponsored QIP Short Term Course on Emerging Applications of Engineering Electromagnetics	Indian Institute of Information Technology Design and Manufacturing, Kancheepuram, from 17.02.2022 to 22.02.2022
3.	Dr. Anjali Chaudhari	AICTE Sponsored QIP Short Term Course on Emerging Applications of Engineering Electromagnetics	Indian Institute of Information Technology Design and Manufacturing, Kancheepuram, from 17.02.2022 to 22.02.2022

**Invited talks (January to June 2022)**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Title of Workshop/Seminar/Conference</b>	<b>Organizing Body</b>
1.	Ms. Snehal Lopes	30Hrs VAC on Bridging the Gap in Embedded Systems	Skill development Cell, SFIT
2.	Ms. Shilpa Chaman	30Hrs VAC on Bridging the Gap in Embedded Systems	EXTC, Skill development Cell, SFIT
3.	Dr. Uday Pandit Khot	Keynote Speech, SDP on Advanced Antenna Design from June 27 to July 02, 2022, 27th	SDP, SIES Graduate School of Technology,



		June 2022	Nerul, Mumbai
4.	Ms. Savita Kulkarni	30Hrs VAC on Bridging the Gap in Embedded Systems	EXTC, Skill development Cell, SFIT
5.	Ms. Jovita Serrao	30Hrs VAC on Bridging the Gap in Embedded Systems	EXTC, Skill development Cell, SFIT

### **FACULTY ACHIEVEMENTS**

1. Dr. Anjali Chaudhari has Completed PhD in January 2021 and granted recognition as a teacher to guide student for the PhD degree in Electronics and Telecommunication Engineering on 23<sup>rd</sup> February 2022.
2. Dr. Vaqar Ansari has Completed PhD in December 2021
3. Dr. Santosh Chapaneri has Completed PhD on 10<sup>th</sup> June 2022

## DEPARTMENT OF MECHANICAL ENGINEERING

### OUR VISION

To be a globally renowned brand for mechanical engineers where interdisciplinary activities would churn out industry ready professionals with universal human values, thirst for new knowledge and entrepreneurial skills.

### OUR MISSION

**M1:** To be a hub with conducive learning environment and modern facilities where aspiring youngsters would be transformed into skilled and motivated mechanical engineers.

**M2:** To encourage the students to participate in multidisciplinary and innovative projects addressing techno-social concerns.

**M3:** To foster the research aptitude in students to pursue higher studies and to take up jobs in research organizations.

**M4:** To promote activities to instill universal human values and entrepreneurial skills in the students.

### *Programmes offered in the Department*

**Bachelor of Engineering (B.E.)**

**Sanctioned Intake : 60**

**Lateral Entry : 6**



**Industrial Visit of Mechanical Engineering Students**

## 1. VAC- Machine Shop Practice

### **Event Details:**

Event Date: June 6, 2022 – June 10, 2022 and June 13, 2022 – June 18, 2022

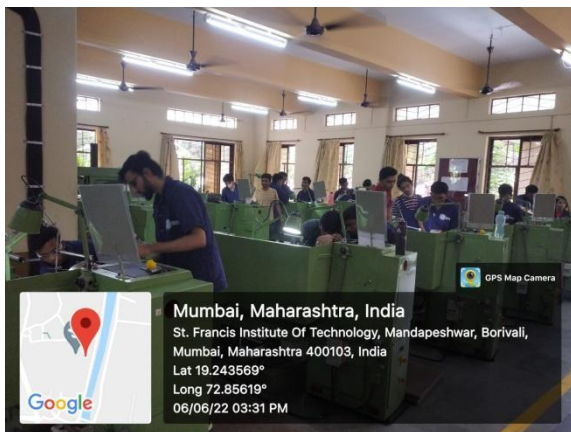
No. of Registered Students: 72 (TE)

Name of Coordinators: Mr. Sanjay Ghaskatta, Mr. Saurabh Vichare

Resource Person: Mr. Sanjay Ghadigaonkar and Mr. Harish Arekar

### **Event Description:**

The major objective of the session was to give hands-on experience on different Machine Tools and get familiarized with various machining operations and to inculcate team qualities and expose students to shop floor activities and to educate students about ethical, environmental and safety standards.



## **2. VAC- Product Design and Modelling**

### **Event Details:**

Event Date: June 24, 2022 – June 30, 2022

No. of Registered Students: 58 (SE)

Resource Person/Coordinators: Mr. Sanjay Ghaskatta, Mr. Saurabh Vichare

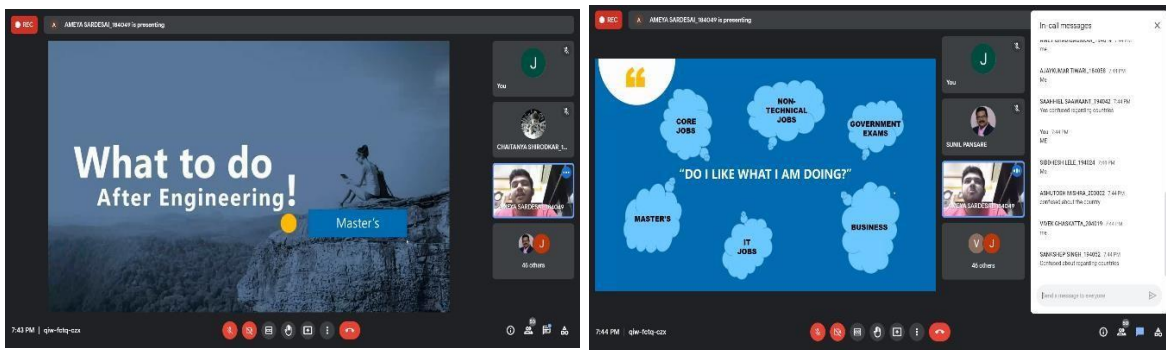
The objective of the session was to give students the essentials that are needed to become a certified SolidWorks associate. Based on the objective of the course, following topics were covered;

- Geometric Dimensioning and Tolerance (GD&T)
- SolidWorks – Part modelling, Assembly and Drafting
- Introduction to Finite Element Analysis (FEA)





### **3. VAC- Introduction to Automotive Training**



#### **Event Details:**

Event Date: June 13, 2022 – June 18, 2022 and July 4, 2022 – July 8, 2022

No. of Registered Students: 42 (SE)

Name of Coordinators: Mr. Sanjay Ghaskatta, Mr. Saurabh Vichare, Mr. Vikrant Bhatia

Resource Person: SFIT-ITI Staff

The major objective of the session was to give an Overview of Automobile World, Vehicle Layout, Transmission System, Control system and Engine starting system.

### **4. Webinar/Panel Discussion/Design Challenge- Yantrikey**



Event Date: April 2, 2022

No. of Registered Students: 140 (SE/TE/BE)

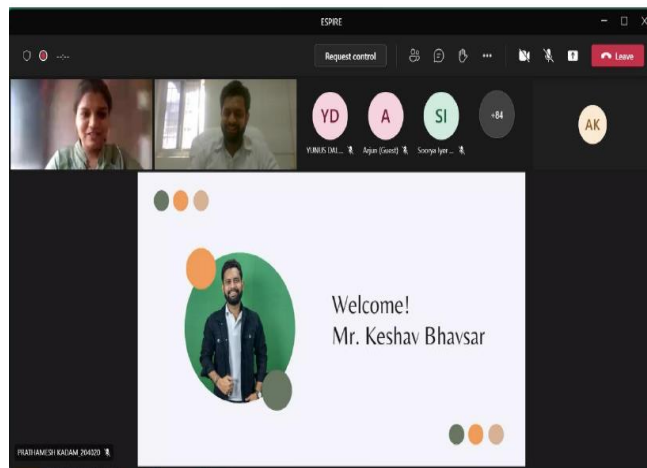
Name of Coordinators: Mr. Ravindra Garmode

Resource Person: Mr Santosh Takale, Mr. Navin Mistry, Mr. Baburaj Iyer, Mr. Kedar Datar

The major objectives of the session were;

- To introduce the attendees with the available options to them post a BE in Mechanical Engineering to build a strong carrier in the field.
- To provide students with an opportunity to test their skills through a design challenge.
- To present an industry perspective by a panel discussion.

### **5. Webinar- ESPIRE, Entrepreneurship for Mechanical Engineers**



Event Date: February 26-27, 2022, March 19, 2022

Time: 11:00 am to 1:00 pm

Venue: Online (Google Meet)

No. of Registered Students: 130 (SE/TE/BE Mech)

Name of Coordinators: Mr. Yunus Dalal

Resource Person: Mr. Priyank Harsora, Mr. Keshav Bhavsar and Ms. Tejashri Sawat

The main objective of the event was to give interesting insights into the lives of 3 mechanical engineers who have gone on to become successful entrepreneurs.

## **6. Educational Visit – Industrial Visit to an Ice Plant**



Event Date: March 21, 2022

Venue: Satpati Machimar Sahkari Sanstha Maryadit, Palghar.

No. of Students: 68

Name of Coordinators: Mr. Yunus Dalal

### **Event Description:**

An industrial visit was planned for Third year Semester VI students in the subject HVAC&R at Satpati Machimar Sahkari Sanstha Maryadit, Palghar. The students were exposed to an ice manufacturing and fish cold storage plant. They were informed about the various refrigeration components, processes and refrigerants involved in the process.

## **7. Educational Visit – Industrial Visit to a Gas Power Plant**

### **Event Details:**

Event Date: April 4, 2022

Venue: MAHAGENCO, Uran

No. of Students: 72

Name of Coordinators: Mr. Bysani Malakondaiah and Ms. Neha Valse



**Event Description:**

An industrial visit was planned for Third year Semester VI and Final year Semester VIII students in the subjects Turbo Machinery and Power Engineering at MAHAGENCO, Uran. The students were given information about steam and gas power plants, co-generation and related mechanical components such as no vessel steam generators, turbines, condensers etc.

**8. Competition- Final Year Project Competition****Event Details:**

Event Date: April 23, 2022

Venue: Department of Mechanical Engineering Laboratory

No. of Students: 66

Name of Coordinators: Mr. Yunus Dalal

Department of Mechanical Engineering organized an offline project competition for Final year Mechanical Engineering students. The students were evaluated based on the problem statement, proposed solution, methodology, quality of work and presentation skills.

All the faculty members of the department evaluated the students and 3 groups with better ideas and execution were awarded with certificates.



## A. Teaching Faculty achievements

### 1. Courses Completed

Name of Faculty	Course Title	Duration	Organized by
Mr. Yunus Dalal	Module 4- Instructional Planning and Delivery	8 weeks	NITTT
Mr. Yunus Dalal	Module 5- Technology Enabled Learning & Life Long Self Learning	8 weeks	NITTT
Mr. Yunus Dalal	FEA using Ansys	1 week	SFIT and Shirsh Technosolutions
Mr. Saurabh Vichare	FEA using Ansys	1 week	SFIT and Shirsh Technosolutions
Mr. Siddharth Saindane	FEA using Ansys	1 week	SFIT and Shirsh Technosolutions
Mr. Vikrant Bhatia	FEA using Ansys	1 week	SFIT and Shirsh Technosolutions
Mr. Neha Valse	FEA using Ansys	1 week	SFIT and Shirsh Technosolutions
Mr. Vishal Acharekar	FEA using Ansys	1 week	SFIT and Shirsh Technosolutions



## **2. Faculty Development Programme (FDP)/Workshop Attended**

<b>Name of Faculty</b>	<b>Course Title</b>	<b>Duration</b>	<b>Organized by</b>
Mr. Bysani Malakondaiah	FDP on Steam and Gas Power Systems	8 weeks	NPTEL, IIT Roorkee
Mr. Yunus Dalal	FDP on Steam and Gas Power Systems	8 weeks	NPTEL, IIT Roorkee
Mr. Sanjay Ghaskatta	FDP on Artificial Intelligence and Machine Learning - A Mechanical Engineering Perspective	1 week	SCMS, Karukutty
Mr. Sanjay Ghaskatta	STTP on Polymer Composites	1 week	ISTE, SFIT
Mr. Bysani Malakondaiah	STTP on Polymer Composites	1 week	ISTE, SFIT
Ms. Farhat Khan	STTP on Polymer Composites	1 week	ISTE, SFIT

## **B. Student achievements**

### **1. Internship Completed**

<b>Name of Student</b>	<b>Organization</b>	<b>Class</b>	<b>Date</b>	<b>Specialization</b>
Arison Dabre	Ashraya Engineering Works	TE	June 10, 2022	Manufacturing of Hydraulic Cylinders
Saahhiel Saawaant	Maruti Authorized Service Center	TE	June 13, 2022	Four wheeler Service and repair works
Sakshi Marchande	Maruti Authorized Service Center	SE	June 06, 2022	Four wheeler Service and repair works
Vaibhav Bavkar	Maruti Authorized Service Center	SE	June 06, 2022	Four wheeler Service and repair works
Umang Chapla	Maruti Authorized Service Center	SE	June 06, 2022	Four wheeler Service and repair works
Vishal Chotaliya	Maruti Authorized Service Center	SE	June 06, 2022	Four wheeler Service and repair works
Vivek Ghaskatta	Maruti Authorized Service Center	SE	June 06, 2022	Four wheeler Service and repair works
Neel Patel	Maruti Authorized Service Center	SE	June 06, 2022	Four wheeler Service and repair works
Pranjal Raul	Maruti Authorized Service Center	SE	June 06, 2022	Four wheeler Service and repair works
Shaun Pinto	Maruti Authorized Service Center	TE	June 15, 2022	Four wheeler Service and repair works
C Stalin Francis	Maruti Authorized Service Center	TE	June 18, 2022	Four wheeler Service and repair works
Ryan Colaco	Maruti Authorized Service Center	SE	June 11, 2022	Four wheeler Service and repair works
Gaddan Sujeev Rao	B. K. Marine Enterprises	TE	June 16, 2022	Ship Fabrication
Aarnav Crusoe	Rimtex Engineering private limited (REPL)	TE	June 3, 2022	Manufacturing of Machinery & Equipments

Ashton Quadros	Maruti Authorized Service Center	SE	June 11, 2022	Four wheeler Service and repair works
Ronan Tauro	Maruti Authorized Service Center	SE	June 11, 2022	Four wheeler Service and repair works
Jeff Fargose	IITians curious minds	SE	June 2, 2022	Robotics kit developer intern

## **2. Course/Training/Certification Completed**

<b>Name of Student</b>	<b>Organization</b>	<b>Class</b>	<b>Date</b>	<b>Specialization</b>
Jay Raut	Shirsh Technosolutions	TE	January 3, 2022	FEA using Ansys
Nick Lopes	Techmentry	SE	January 18, 2022	Python Programming
Arjun Bedi	Udemy	SE	February 15, 2022	Python
Jay Raut	Dassault Systems	TE	February 17, 2022	CSWA
Neil Khade	Japanese Language Teachers Association	SE	February 17, 2022	N4-Japanese 2nd Level
Siddhi Naik	SAE International	TE	April 8, 2022	SAE Aero Design West
Sampada Ketkar	SAE International	TE	April 8, 2022	SAE Aero Design West
Omkar Parab	SAE International	TE	April 8, 2022	SAE Aero Design West
Yash Chavan	Cousera	TE	June 10, 2022	Technical Support Fundamental
Neel Bhalani	Com-Tech IT World Institute	SE	June 10, 2022	Advance Excel
Neel Bhalani	CodeWithHarry	SE	June 8, 2022	C++ Programming full course
Neel Bhalani	Com-Tech IT World Institute	SE	June 10, 2022	Web Programming- HTML 5, CSS 3, JavaScript
Arjun Bedi	Creator.u	SE	June 18, 2022	Business Investments and start-ups

## **C. Activities Conducted by Department**

### **STTP/Competition/Webinar/Workshop/ Orientation**

<b>Sr. No.</b>	<b>Type of Activity</b>	<b>Name of Activity</b>	<b>Beneficiaries</b>	<b>Date</b>
1.	Webinar	Expert Lecture on Understanding solar energy system and its applications	SE Students	February 15, 2022
2.	Webinar	R&D Lecture	SFIT Staff	February 19, 2022

3.	Educational Visit	Industrial Visit to an Ice Plant	TE Students	March 21, 2022
4.	Webinar	Expert Lecture on Advancement and Recent Trends in Fluid Mechanics	SE Students	March 30, 2022
5.	Webinar	Lecture Series on Entrepreneurship for Mechanical Engineers	SE, TE and BE Students	February 26, 2022 February 27, 2022 March 20, 2022
6.	Webinar	Seminar on Career Path for Mechanical Engineering Graduates	SE, TE and BE Students	April 2, 2022
7.	Competition	Design Challenge - Intra-University design competition	SE, TE and BE Students	April 2, 2022
8.	Discussion	Panel Discussion on Current Scenario of the Mechanical Industry	SE, TE and BE Students	April 2, 2022
9.	Educational Visit	Industrial Visit to a Gas Power Plant	TE Students	April 4, 2022
10.	Competition	Final Year Project Competition	BE Students	April 22, 2022
11.	Webinar	Expert Lecture on Advancements in the Field of HVA&R	TE Students	April 23, 2022
12.	Workshop	Workshop on Machine Shop Practice	TE Students	June 6, 2022 June 13, 2022
13.	Workshop	Workshop on Introduction to Automotive Training	SE Students	June 13, 2022 July 4, 2022
14.	Workshop	Workshop on Product Design and Modelling	SE Students	June 24, 2022
15.	Industrial Visit	Industrial Visit to a Gas Power Plant	BE Students	April 5, 2022

## DEPARTMENT OF ELECTRICAL ENGINEERING

### OUR VISION

To produce electrical engineers that are globally competent for providing service to mankind with the inculcated modern technical education.

### OUR MISSION

**M1:** To provide comprehensive proficiency in the field of electrical engineering along with the blend of multi-disciplinary learning.

**M2:** To create a conducive environment for integrating research and teaching practices leading to the development of entrepreneurial skills among learners which will help to cater to the challenges of society and industry.

**M3:** To collaborate with industries, renowned teaching and research institutes, and alumni, for contributing to international and national development accompanied with life-long learning.

**M4:** To motivate learners for participating and organizing curricular and co-curricular activities for improving creativity, innovating, and leadership quality in the learners.

### *Programmes offered in the Department*

**Bachelor of Engineering (B.E.)**

**Sanctioned Intake : 60**

**Lateral Entry : 6**



Participants of the Seminar on Conventional Power Generation

**a. Activities organized by the department for students.**

- Seminars – Seminar on Electric Vehicle conducted by Mr Suhas Joshi , Rose field, Evolving energy, Organized by Department of Electrical Engineering and EESA on 05/03/2022
- Workshops – 30 Hrs value added course on Programming skill in C and Python from 13/6/2022 to 17/6/2022
- Project/mini project competition- Electrical Symposium 2022 on 21/4/2022

**b. Activities organized by the department for staff**

- R & D Series-on topic “The Art of Writing Research Papers” on Saturday, 07 May 2022 by Dr Mohd Adil Sheikh in room no 503 at 11.00 am
- Workshop-STTP on Tomorrow’s Electrical Power Grid: Challenges, Trends, and Upcoming Paradigms organized by Department of Electrical Engineering, SFIT and Co-sponsored STTP by IEE Bombay Section from 3/1/2022 to 7/1/2022
- 30 Hrs value added course on Programming skill in C and Python from 13/6/2022 to 17/6/2022

**TEQIP/STTPs attended by staff –**

Sr. No.	Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)
1	Kalyani Soni	Tomorrow’s Electrical Power Grid: Challenges, Trends, and Upcoming Paradigms organized by Department of Electrical Engineering, SFIT and Co-sponsored STTP by IEE Bombay Section	3/1/2022 to 7/1/2022
2	Mr. Pratik Rahate	Tomorrow’s Electrical Power Grid: Challenges, Trends, and Upcoming Paradigms organized by Department of Electrical Engineering, SFIT and Co-sponsored STTP by IEE Bombay Section	3/1/2022 to 7/1/2022
3	Adil Sheikh	Tomorrow’s Electrical Power Grid: Challenges, Trends, and Upcoming Paradigms organized by Department of Electrical Engineering, SFIT and Co-sponsored STTP by IEE Bombay Section	3/1/2022 to 7/1/2022



4	Varsha Thandassary	Tomorrow's Electrical Power Grid: Challenges, Trends, and Upcoming Paradigms organized by Department of Electrical Engineering, SFIT and Co-sponsored STTP by IEE Bombay Section	3/1/2022 to 7/1/2022
5	Josna Jose	Tomorrow's Electrical Power Grid: Challenges, Trends, and Upcoming Paradigms organized by Department of Electrical Engineering, SFIT and Co-sponsored STTP by IEE Bombay Section	3/1/2022 to 7/1/2022

### Achievements by students:



Mr. Palak Maniar (BE Electrical Student) has won the “K. Shankar Meritorious Paper Award 2021” administered by IEEE Bombay Section Awards Committee for his research paper titled “*Deep Learning models for Smart Building Load Profile Prediction*” in Conference Student UG Category. The purpose of the award is to

recognize especially meritorious papers published in the IEEE Conferences, Transactions & Journals by IEEE Bombay Section Members at the time of application. The award along with the cash prize of Rs. 5000/- will be conferred to him in the upcoming IEEE Bombay Section Signature Conference 2022.

Research Supervisor: Dr. Adil Sheikh.

### List of research papers published by students and faculty in AY 2021-2022

Note: SFIT students name are in Italic and Faculty name in Bold

1. *A. Panchal, K. Bhatt, S. Gitaye, M. Bhand* and **A. Sheikh** “Design and Simulation of an Inductor based Active Cell Balancing Circuit for Lithium-ion Batteries” In the 4th Global Power, Energy and Communication Conference (GPECOM), Turkey, IEEE, 2022.

2. *M. D'costa, Siddhesh P., Raj P., Bhakti W., and A. Sheikh* “DC Charging Architecture Enabled Power Transfer using Vehicle-to-Grid Technology” In the 4th Global Power, Energy and Communication Conference (GPECOM), Turkey, IEEE, 2022.
3. *Vrishti D., Samiksha B., Rahul S., Jayesh P., Palak M., and A. Sheikh*, “Predictive Analysis of Soil Parameters for Solar-Powered Smart Irrigation System” In the 4th Global Power, Energy and Communication Conference (GPECOM), Turkey, IEEE, 2022.
4. *Revati, G., Palak M., S. Shadab, and A. Sheikh.* “Facilitating Energy-Efficient Operation of Smart Building using Data-driven Approaches.” In North American Power Symposium (NAPS), USA, pp. 01-06. IEEE, 2021.
5. *Palak, M., G. Revati, and A. Sheikh.* “Smart Building Energy Management using Deep Learning Based Predictions.” In North American Power Symposium (NAPS), USA, pp. 1-6. IEEE, 2021.
6. *Revati, G., Palak M., U. Suryawanshi, A. Sheikh, and S. Bhil.* “Load Profile Prediction in Smart Building using Data Driven Approaches.” In 31st Australasian Universities Power Engineering Conference (AUPEC), Australia, pp. 1-6. IEEE, 2021.
7. *Palak, M., G. Revati, Md Alamgir Hossain, and A. Sheikh.* “Deep Learning models for Smart Building Load Profile Prediction.” In 31st Australasian Universities Power Engineering Conference (AUPEC), Australia, pp. 1-6. IEEE, 2021.

## **DEPARTMENT OF BASIC SCIENCES AND HUMANITIES**

### **Objectives**

- To transform the students into eligible engineering students possessing the basic knowledge of science and engineering with a substantial skill of communications.
- To provide opportunities for students to collaborate and work in teams on multidisciplinary projects for accomplishing common goals.
- To create a comfortable learning and teaching ambiance for the staff and students enabling them to identify and enhance the potentials to face the futuristic challenges.
- To promote awareness amongst students for lifelong learning.
- To develop an awareness about environmental issues.
- To inculcate professional and ethical attitude, good leadership qualities and commitment to social responsibilities.

### **Outcomes**

- Apply the knowledge of current techniques, concepts, skills and modern tools for the solution of engineering problems.
- Work in team on multidisciplinary projects.
- Communicate effectively in both oral and written form.
- Realize the impact of engineering solutions in a global/societal context
- Recognize the need for and engage in lifelong learning.
- Participate in various drives related to environment and society related issues.
- Imbibe professional and ethical responsibilities.

### **Strength**

- The department comprises highly qualified and goal oriented members with specialization in various fields like Science, Technology and Humanities.
- The faculty members of this department have always endeavoured to provide the best in terms of knowledge and skill.
- The high retention rate of the staff is one of the highlights of the department.
- Staff members are often encouraged to update their knowledge/teaching skills.
- The unique strength of the department is its excellent coordination in carrying out the academic responsibilities.
- Well established teaching learning process and well defined testing and evaluation system to ensure excellent academic performance.
- Availability of well-established and adequately equipped laboratories and classrooms.
- Beyond the book learning provided to the students by the implementation of IVs, encouragement of project and research work, organization and participation in various science exhibitions.
- Availability of effective mentoring and counseling process which is carried out with the support of the parents and concerned faculty.
- The department aims to provide value based education to the budding engineers.
- It caters to the needs of the society and carves the younger generation into better citizens, leading the budding engineers in the path of success.

## **FACULTY ACHIEVEMENTS**

- Ms. Deepa Panakkal served as UHV- Coordinator and organized the UHV module of AICTE mandated SIP and conducted 36 hours of UHV sessions for the newly admitted students of First Year Engineering during Dec 2021 - Jan 2022.
- Ms. Neha Agnihotri conducted UHV Sessions for 20 hours for FE students as a UHV Mentor from 23 December 2021 to 5 January 2022.
- Ms. Neha Agnihotri served as a panel judge for the Elocution competition organised by NDLI Club on 26 January 2022.
- Ms. Rekha Ajikumar acted as a UHV Mentor and conducted UHV sessions for the first year students of class FE1 from the 13 Dec 2021- 23 Dec 2021.
- Dr. Harshada Jadhav served as judge for the science project exhibition organized by the NMC high school koparkhairane, Navi Mumbai on National Science Day on 28th Feb 2022.
- Ms. Deepa Panakkal served as a Speaker and Course Conductor for the National Level one week course on 'Study Skills' organized by IQAC Cluster of India. Topics covered include Effective Listening and Reading Skills, Note-taking methods and Effective Ways of Managing Stress.



Participants of Prayas 2021-22 presenting their ideas

**NPTEL Courses completed:**

S. No.	Name of the Faculty	Course Name	Date
1	Ms. Rebecca George	<b>NPTEL - Soft Skills Development (Silver ELITE Medal)</b>	Jan to March 2022
2	Mr. Praveen Mathew Kurien	<b>NPTEL - Soft Skills Development</b>	Jan to March 2022

**Workshop/Seminar/STTP Attended:**

Sr. No.	Name of the Faculty	Title of the Workshop/Seminar/STTP	Date	No. of days	Professional Body Associated	Venue
1.	Ms. Neha Agnihotri	National level webinar on 'Stree Purush Tulana: Life and Times of a Feminist Text'	9 February 2022	1	Smt. P N Doshi Women's College, SNTD Women's University	Online
2	Ms. Neha Agnihotri	National level webinar on 'Ismat Chughtai's Feminist Perspective on Literature and Activism'	22 February 2022	1	Smt. P N Doshi Women's College, SNTD Women's University	Online
3	Ms. Neha Agnihotri	National level webinar on 'Public Spaces and Gendered Visibility in 21st Century India	28 February 2022	1	Smt. P N Doshi Women's College, SNTD Women's University	Online
4	Ms. Neha Agnihotri	Faculty Development Program UHV Refresher 1 Part 1	21st to 25th February 2022	5	AICTE	Online
5	Ms. Preethi Colaco	Indian Society for Technical Education (ISTE) Approved One week Online Short Term Training Program on Polymer Composites January 03 - 07, 2022 Organized by: Mechanical Engineering Department, St. Francis Institute of Technology, Mumbai In association with: Technology Research and	January 03 - 07, 2022	5	Indian Society for Technical Education (ISTE)	online



		Innovation Centre, Pune   Praj Metallurgical Laboratory, Pune				
7	Ms. Preethi Colaco	AICTE sponsored short term course on LASER APPLICATIONS IN MACHINING AND MATERIAL PROCESSING conducted from 7/3/2022 to 12/3/2022 by IIT, Madras.	7 th March - 12th March 2022	6	IIT, MADRAS	Online
8	Ms. Preethi Colaco	FDP on Inculcating Universal Human Values in Technical Education”	14 th March - 18th March 2022	5	AICTE	Online
9	Ms. Preethi Colaco	One week Online Short Term Training Program on NANOTECHNOLOGY AND NANOMATERIALS FOR VARIOUS TECHNOLOGICAL APPLICATIONS	28 th March - 1st April 2022	5	NITTR, Bhopal	Online
10	Dr. Harshada Jadhav	AICTE sponsored short term course on LASER APPLICATIONS IN MACHINING AND MATERIAL PROCESSING conducted from 7/3/2022 to 12/3/2022 by IIT, Madras.	7th -12th March 2022	6	All India Council for Technical Education(AICTE)	Online
11	Ms. Rebecca George	Coursera Course - Career planning: resume/CV, cover letter, interview.	4th - 14th January 2022	10	Coursera	Online
12	Ms. Rebecca George	STTP in Emotional Intelligence conducted by NITTTR, Bhopal	7th - 11th February 2022	5	NITTTR, Bhopal	Online

## **First Year - Student Induction Program 2022**

### **FE Orientation Program**

The Orientation Programme for First Year Engineering students and parents, organized by the Department of Basic Sciences and Humanities, was held on the 8th of January 2022 from 5:00 pm to 6:00 pm IST. In order to ensure the safety and ease of the attendees owing to the rising cases of Covid-19, it was decided that the programme would be held online, via Zoom platform. Approximately 430 participants, consisting of students, parents and faculty members attended the Orientation Programme.

FE Coordinator, Dr. Poonam Hemnani gave an overview of the course and curriculum. Dr. Hemnani explained the syllabus, outlined the exam pattern and explained various rules with respect to calculation of marks, attendance, etc

Dean - Academics, Dr. Kevin Noronha shared the details of the diploma student's curriculum. Dr. Noronha shared the eligibility criteria and the procedures for applying for 7 different scholarships ranging from those intended for backward classes, lower economic groups, communities of religious minority and so on. He also gave details of the diploma students curriculum and timetable. Dr. Noronha shared with parents, about Parent Teacher Interactions (PTI) and he also encouraged students to avail of the mentoring and counseling sessions provided by the college.

### **FE Library Orientation Program, 2022**

The library orientation for first year students of batch 2021-22 was held on 14th January 2022 from 4:00 to 4:30 pm online, via Zoom platform. SIP Coordinator Ms. Arti Bhatnagar opened the program by welcoming all the students. Ms.Rebecca George introduced the speaker – our librarian, Ms. Chinmayee Bhange, and handed over the session to her.

Ms. Chinmayee Bhange began the orientation by sharing the various resources that are available at the library for the use of students. This includes over 28000 books, CDs, Journals, previous years question papers of the University of Mumbai, as well as e-books from the National Digital Library of India. After this Ms. Chinmayee did a run-through of the library webpage WebOPAC and guided the students in how to use this for accessing various educational resources. She also introduced the students to the Library Google Classroom and the NDLI.

She gave a picture of the kinds of facilities available at the library, including the Book Bank, the Little Free Library and Fiction for Young Adults and Children. She also gave information about various current affairs services like Good Reads, Read to Lead, LIRC at a Glance, etc. She also talked about the SFIT Library's presence on social media –its Facebook page as well as its blog page (LIRC@sfit)

In order to support students in Research, Ms. Chinmayee introduced them to resources like Bibliography and Abstracts of Current Topics from IEEE Xplore Digital Library, the New Information series and the Literature Search Request forms. Ms. Chinmayee ended the talk by giving a list of useful textbooks for First Year core courses like Engineering Mathematics, Chemistry and Physics. The orientation session was closed by encouraging the students to

make the most of the free resources available at the library and also to be active contributors of the library's blog page.

## **Entrepreneurship Day** **For First Year Engineering Students**

**Date :** 21st January 2022

### **E-Cell Team members present:**

#### **Faculty members:**

Dr. Prachi Raut, Dr. Adil Shaikh

#### **Advisors:**

Darren Noronha

#### **Heads:**

Chaithanya Madhu, Ryan Nayak, Soham Shinde, Dev Surve, Drashti Thakkar, Monik Kaole, Saahiel Saawaant., Yugandhar Khair

#### **E-Leaders:**

Alisha Miranda, Tejas Vaidya, Deepak Parihar, Vedant Pednekar, Kris Rawal, Greeshma Hedvikar, Jessica Allen Gonsalves, Pratham Muchhala, Ryan Rebello, Austin Emmanuval Noble, Prathamesh P Kadam, Steve Tony Correia, Neel Mistry, Rushikesh Ravindra Borakhede

### **Basic Science and Humanities:**

**Faculty present:** Ms. Arti Bhatnagar, Ms. Rebecca George, Ms. Rekha Ajikumar **Nature of the event:**

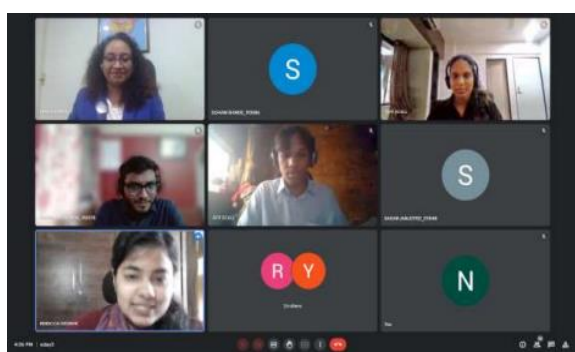
“The best way to predict the future is to create it “the quote by Peter Drucker relates to the E Day that took place on the 21st of January 2022 organized by E-CELL SFIT. An Entrepreneur is an innovative individual with original ideas creating a new business, bearing most of the risk and enjoying most of the reward. The process of setting up a business is known as entrepreneurship. This was a entrepreneurship introduction event held for the FE students of SFIT.

Ms. Rebecca George from Basic Science and Humanities department, welcomed the audience and introduced Team E-Cell SFIT. The main purpose of the event was to connect the first year students with ideology of E-CELL and get them interested in the entrepreneurship culture. Dr. Prachi Raut, convenor of Team E-Cell, commenced the webinar by introducing the E-CELL thereafter making us aware of the objective of the E-CELL i.e

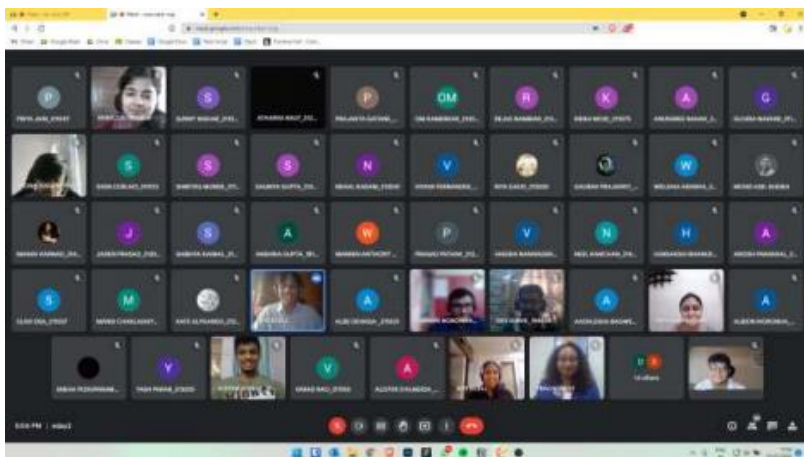
- Mentoring Startups
- Imparting Entrepreneurial Skills
- Nurturing and Fostering Ideas

Chaithanya Madhu - overall coordinator introduced our E-CELL team for A.Y 2021-22.

Darren Noronha, our advisor of E-CELL SFIT briefed us about the events that are conducted by the team during the year . The flagship event of E-CELL - PRAGATI, which is a National Level Business Plan Competition held in St. Francis Institute of Technology where young innovative students come together and present extraordinary ,thought-provoking and mind blowing concepts of tomorrow's technology. Pragati gives a chance to do any type of project ranging from software to hardware.A video regarding the event PRAGATI was played in the meet. The second major event was TEDxSFIT which is an independent initiative by E-CELL SFIT under the umbrella of TED to organize a versatile talk series from several eminent speakers from a wide range of fields. The third event was UNNATI which is an annual workshop event over 2-3 days focusing on several aspects of entrepreneurship.



The next event is UDAAN which is a series of skill building workshops conducted by experts in various fields. The last event is E-DAY which introduces the concepts of entrepreneurship, start ups, leadership, and interaction with the first year students. Later, our co-overall coordinator Mr Ryan Nayak informed us about the initiative taken by E-CELL such as “SAFAL” and “VICHAR” that aims to promote the entrepreneurship culture in the students and to share their experience and knowledge regarding the startup culture.



This was followed by a small presentation by one of our startup groups -EQlibria by their founders, Anshika Gupta and Almas Alam about their venture, and shared their experience how entrepreneurship space has been for them so far, their story behind the journey and how E-

Cell has played a role in their success.

### **SIP - Counseling Session**

As part of the Student Induction Program, the Department of Basic science and Humanities conducted a Counseling Session with the purpose of introducing the students to the counseling facility provided by the college. The Session was held in two batches so as to encourage greater student-counselor interaction. Accordingly, the first session was held on 6 May 2022 for classes FE 1,2 & 3 and the second session was held on 13 May 2022 for classes FE 4,5,6 & 7. The session was held from 3:30 - 5:00 pm at the college auditorium.

The resource person for the session was none other than our own counselor, Dr. Merle Coutinho. Dr.Merle encouraged the students to analyze their life and identify the stressors/warning signs that could be affecting their life and performance. The importance of seeking professional help for mental illnesses was stressed. Dr. Merle encouraged the students to open up about their problems and ensured them complete anonymity in approaching the counselor.

Post the session, a feedback was collected wherein 144 students responded and shared their views as well as suggestions for the session.

### **SIP - TPO Session**

As part of the Student Induction Program, the Department of Basic science and Humanities conducted a TPO (Training and Placement Orientation) Session with the purpose of introducing the students to the Training and Placement facility provided by the college. The Session was held in three batches of 140 students each, so as to encourage greater student



interaction. The 3 sessions were held on different time slots, 2 hours each, on 21st May 2022 at the TPO Seminar Room.

The resource person for the session was none other than our own Training and Placement Officer, Dr. Wilson Pinto. Dr. Wilson covered the following points in the session: parameters used for selection, role of education in international society mobility, stages of career development, latest Engineering trends in 2020's, platforms to improve coding skills, recruitment process, etc.

Dr. Wilson Pinto also shared the placement records of the college from 2017 to 2022, in order to encourage the students to work hard and continue the tradition of getting prestigious placements. The session concluded with a time of Question and answer sharing where the students participated actively by clarifying their doubts and queries.

### Prayas 2022



Prayas, a project exhibition by the FE students was successfully conducted on 18<sup>th</sup> May, 2022 from 10:15 am to 4:00 pm in the college auditorium. The chief-guest for this year was none other than our very own alumni, Mr. Hansel Dsouza, who is the President of SFITAA. Mr. Hansel Dsouza currently works as the Director for Embeddable Banking for Zeta.

Prayas 2022 was effectively organized by the entire FE department, led by the FE Coordinator, Dr. Poonam Hemnani. The Prayas Coordinator Ms. Rekha Ajikumar , and the co-coordinator Ms. Grishalda D'souza succesfully conducted this event. It was backed by both the teaching and non-teaching staff of the FE.

The inaugural event was attended by the dignitaries, organizers and all the FE students.

The event began with the college anthem being played, after which the Head of the FE Department, Dr. Poonam Hemnani, delivered the welcome address. Our Deputy Director Bro.Vijaykumar Pereira encouraged us through his address. Ms. Grishalda Dsouza, the event co-coordinator, then gave the highlights of Prayas 2022. After this, our chief guest, Mr. Hansel Dsouza was welcomed to deliver his keynote address. Mr. Hansel guided our aspiring engineers the importance of activities conducted by the college. He encouraged the students to participate in various events and he shared his experiences of how college shaped him and guided him on the path of success that he is on now. He also guided the students about the relevance of Presentation skills. On this note, our chief guest declared Prayas 2022 Open! The inaugural session was concluded by a vote of thanks by Ms. Rekha Ajikumar, the coordinator for the event.

This event included 13 projects in the form of working models, posters and powerpoint presentations from the various subjects in the FE curriculum i.e Maths, Physics, Chemistry, BEE, CP, Mechanics and PCE. The efforts of all the participants who volunteered and have completed the projects in a short period of time are truly appreciated.

Overall, despite the constraints that any event have, and considering the large task force of staff, participants and volunteers that were behind this programme, this event was undoubtedly a big success! A huge sense of gratitude is owed to the chief guest, college dignitaries, coordinators, the entire staff, the project guides, participants and volunteers!

**Gallery: on click can show pictures/videos:**

<https://drive.google.com/drive/folders/1vLN2Ev208qzfD1xUqVPu-9Tjx1v0rzAk>



## **Industrial Visit 2022**

The Basic Science and Humanities Department of St. Francis Institute of Technology had organized industrial visit for students of First year Engineering. The purpose of the industrial visit is to provide students an insight regarding internal working of companies. Theoretical knowledge is not enough for making a good professional career. With an aim to go beyond academics, industrial visit provides student a practical perspective on the world of work.

It was a one day industrial visit to Palghar on April 30, 2022. The entire Industrial visit was planned and executed under the supervision of FE SFIT IV Committee. 275 students participated in the visit accompanied by 15 staff members .The industries visited were Navneet Publication, Remi Group and KLT Automobiles and Tubular Products Ltd.



At Navneet Publication they explained about the process of making their products (files, diaries, folders, sheets etc.) using automated and intelligent printing system. They use solar energy and also recycle their waste thereby making process ecofriendly.

Remi group provided information about designing and manufacturing of agitators which are used for purification. Machines used for shaping, milling, shrink fitting etc. were shown and explained to the students.

At KLT the complete process of the manufacturing of chassis was explained in detail. The process included bending of tubes, forging of metal sheets, assembly lines, drilling and welding, coating. The safety norms followed there were highlighted.

Every student participated in industrial visit got the ample information regarding the industry work culture and work process. In addition, students were taken for recreation to Silent Hills Resort where they got a chance to interact and bond outside the walls of the classroom. Overall, industrial visit was fruitful, as students got familiar with different machines and their operating system as well as an essence of teamwork.



# Disaster Management in Engineering

**Event Date:** 12th February 2022

**Number of Registered Students:**61

**Resource Person:** Dr. Mugdha Agarwadkar

**Chapter:** IEEE-TECHESS

SFIT has launched its first-ever female-centric technical community 'Techess'. This community aims to give an ocean of opportunities to female engineers and inspire and help them achieve their goals.

The image displays two overlapping screenshots from a webinar. The top screenshot is a Zoom meeting interface. The main window shows a presentation slide titled "Disaster Management" with a list of activities: Administrative decisions and operational activities that involve Prevention, Mitigation, Preparedness, Response, Recovery, and Rehabilitation. To the right of the slide is a circular diagram with four quadrants: RECOVERY (top-left, blue), PREVENTION/MITIGATION (top-right, green), RESPONSE (bottom-left, red), and RESILIENCE (bottom-right, orange). The diagram is labeled "START" at the top and "EVENT" at the bottom. A "People" list on the right side of the Zoom window shows participants including Neha Pattankar, Neil Umbarkar, Omkar Hadawale, Orvil D'silva, Prakash Nair, Prof. M. Y. Agarwadkar, and Prof. M. Y. Agarwadkar Presentation. The bottom screenshot is a Google Meet interface showing a grid of participants. Many participants have a purple background with the "TECHESS" logo. Visible names include LIPIKA PARUI\_20..., YASH MAHAJA..., KUNAL SHEKTE..., Neil Umbarkar, ADITYA GHADG..., SURABHI NAIK\_1..., Anushree Poojary, Prakash Nair, JANHAVI RANE..., Prof. M. Y. Agar..., Erica Dcruz, Rohan, Neha Pattankar, Aniket Badgujar, Chandini Nair, Aditi Desal, JANICE MONTEI..., Sanika Gawas, Mitall Haldankar, SHERINE SEBAS..., 10 others, and You. The time shown in both screenshots is 4:35 PM and 5:37 PM respectively, both for the "Disaster Management in Engineering" session.

The Techess Community, along with the IEEE SFIT Student Branch, organized the second session of the current academic year. The webinar was conducted by Dr. Mugdha Agarwadkar, Secretary, WIE affinity group, IEEE Bombay Chapter Education Associate



Professor at APSIT. The event was held on Saturday, 12th February 2022 on the video conferencing platform Google Meet. The speaker addressed an audience of 40 participants from majorly St. Francis Institute of Technology, Mumbai.

The session began at 4.00 pm with Techess chairperson Ms. Preksha Prakash welcoming Dr. Mugdha Agarwadkar welcomed all the participants and introduced them to the speaker. The speaker then started with the session and introduced Disaster Management , what Disaster Management meant and why it is called so. She then introduced the audience to the concept of Disaster Management in Engineering and its need with the growing technology. She described what Disaster means and what is the role of engineers for managing it. Engineers have a big role which can help to avoid Disasters or reduce its effect. She explained how Disaster is different from Hazard and Vulnerabilities.

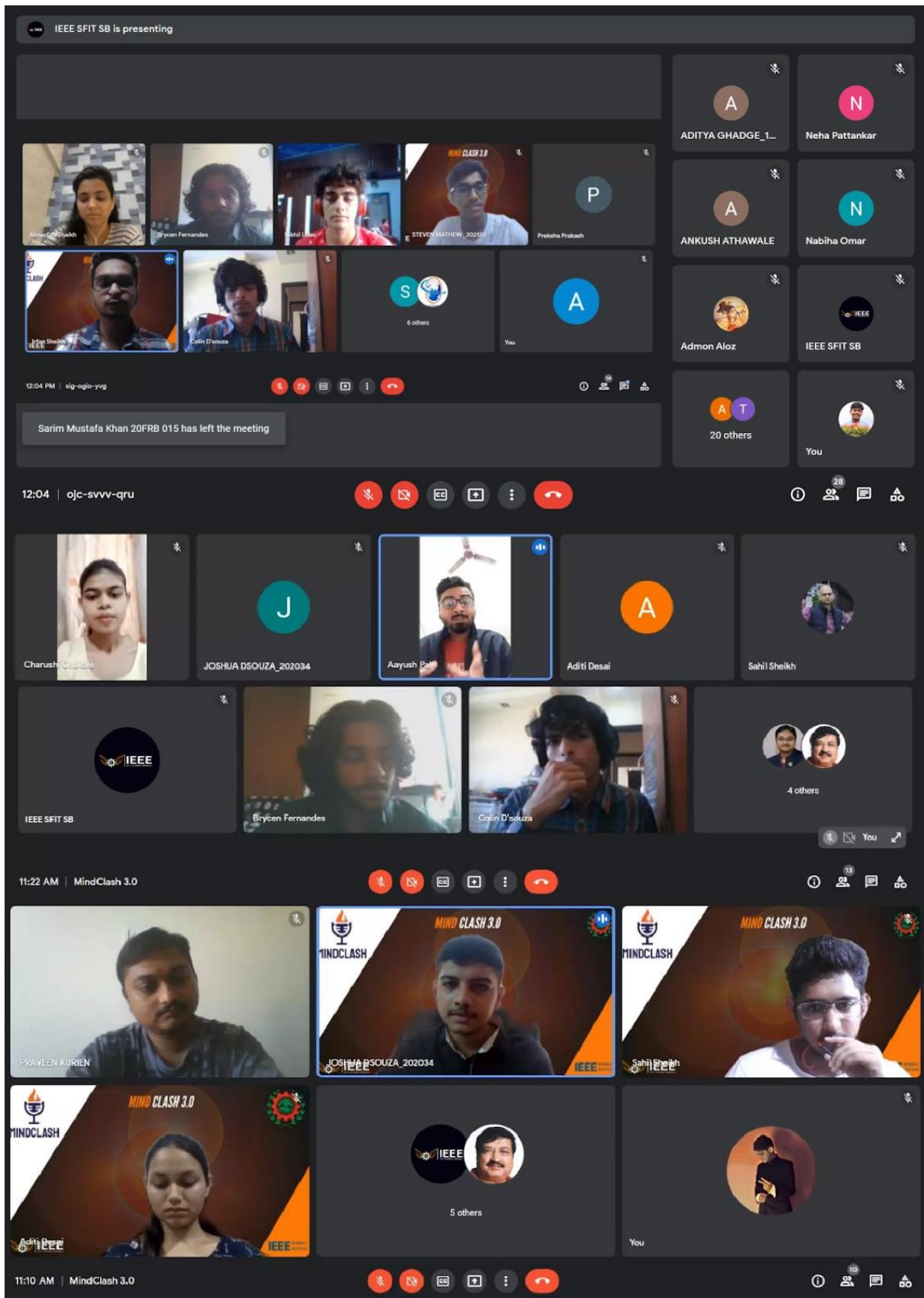
To demonstrate she used Spatial data and explained how it can be useful to get predictable data for future events. She also suggested some libraries where we could access the satellite images and study them.

The questions and queries of the audience were addressed over the duration of the meeting. Ms. Preksha Prakash thanked the audience for their responsive and proactive participation and proceeded with the vote of thanks followed by a quick photo session and feedback gathering, ending the event successfully at 6.00 pm.

### **Mindclash 3.0**

**Event Date:** 2nd April-3rd April 2022      **Chapter:** IEEE

IEEE SFIT Student Branch(ISSB) in association with IEEE Bombay Section organized an online intercollegiate competition, 'MindClash3.0'. This was a technical debate competition held to promote team spirit and critical thinking which will help debaters to hone their soft skills far beyond what can be learnt in any other setting. The event was held from 2nd to 3rd April 2022 on the Google Meet platform. Round 1 was held on 2nd April, and Round 2 and Round 3 took place the following day. There were 8 teams of 2 members each who registered from various colleges. It also had a skilled panel of judges from various institutes and expertise. The judges for Day 1 were Dr. D.T.Ingole and Mr.Praveen Kurien. Day 2 was judged by Mr.A.T.Kishore and Ms.Shreya Kumari.



The host for day 1, Joshua Dsouza(Publicity Team Executive, ISSB) and Sahil Sheikh(Marketing Head, ISSB), welcomed the esteemed judges, enthusiastic participants and the lovely audience to the first round of MindClash2.0. The timer was managed by Ms. Sherine Sebastian (Treasurer, ISSB) on both days.

Ms. Aditi Desai - Chairperson, ISSB was invited to say a few words.

The flow of events for Round 1 was as follows:

<b>TEAMS</b>	<b>TOPIC</b>
Team 1 vs Team 4	Should cryptocurrency be regulated ?
Team 2 vs Team 3	Is it safe for the general public to trust companies with data collected ?
Team 7 vs Team 6	Is Online schooling the way of the future ?
Team 5 vs Team 8	Nuclear energy - too dangerous and expensive?

Day 2 began with double the enthusiasm and excitement at 11 pm. The hosts for the day were Mr. Steven Samuel (Program Team Executive, ISSB) and Mr. Irfan Sheikh (Program Team Executive, ISSB). They introduced the judges and briefed the audience about the rules for Round

The flow of events was as follows:

<b>Teams</b>	<b>Topic 1</b>	<b>Topic 2</b>
Team 8 vs Team 3	Autonomous vehicles	Colonization of Mars
Team 1 vs Team 7	Genetic engineering	Cryptocurrency
Team 6 vs Team 4	Trinity Naidu AI Robots	Right to Repair

Mindclash3.0 had its winners as Team 04 Aayush Pal and Charushi Chakole emerged victoriously.

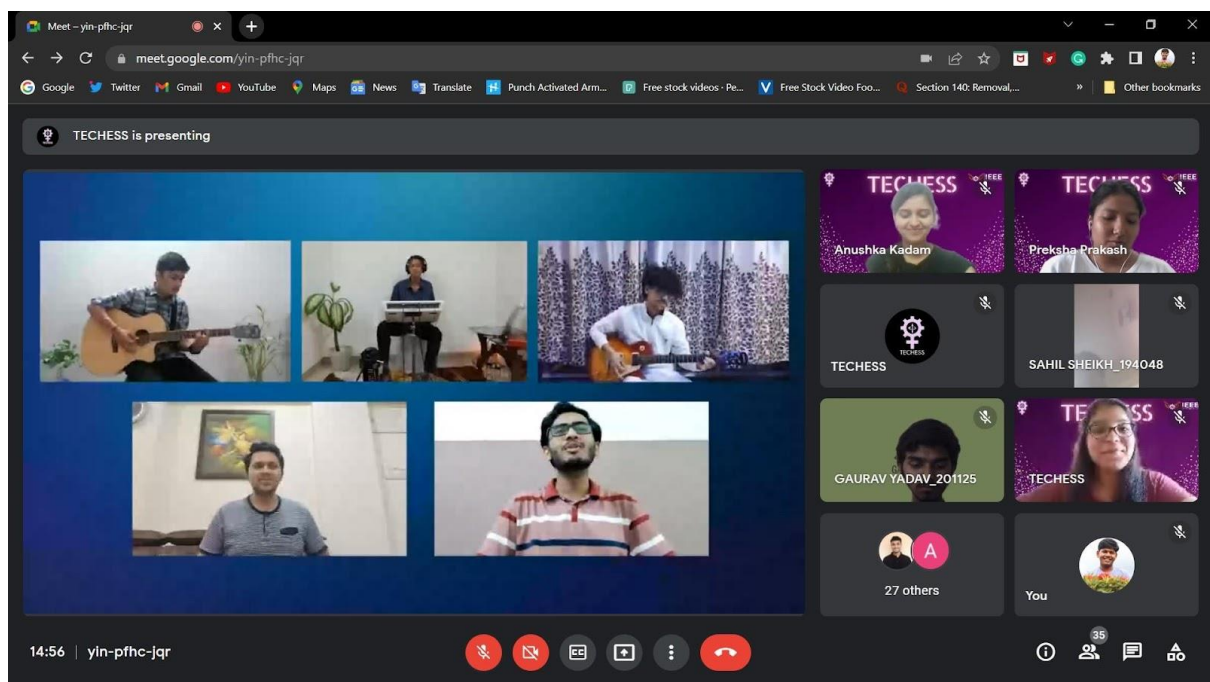
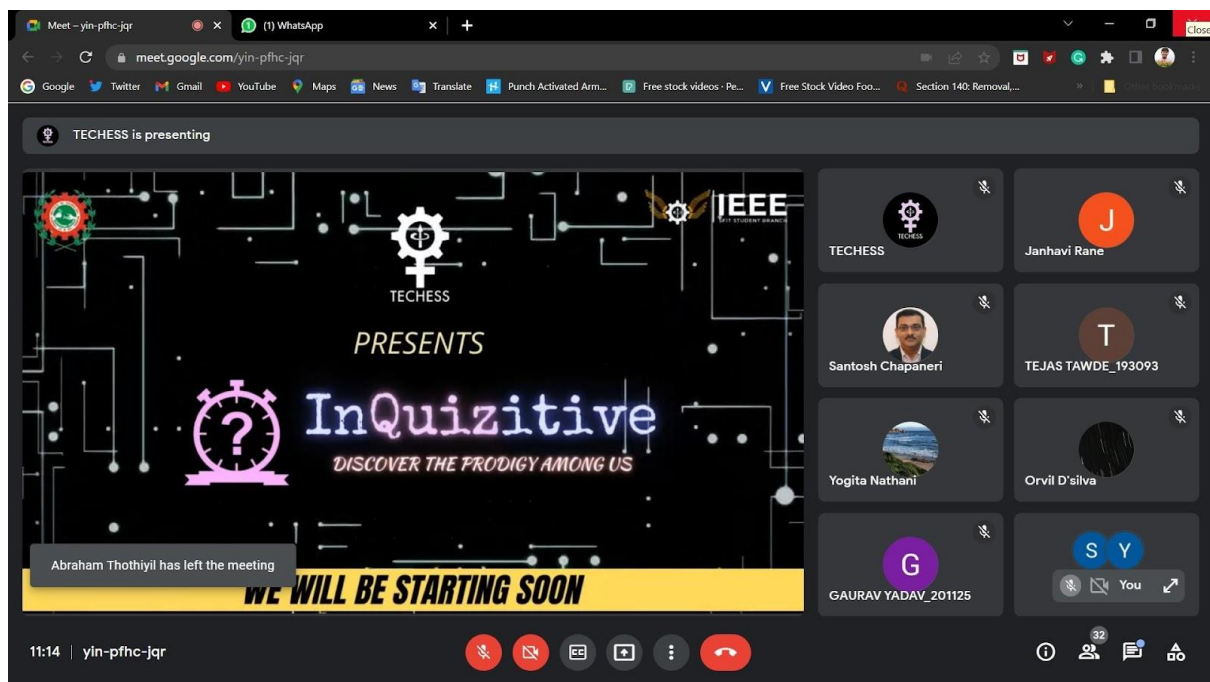
### **InQUIZitive**

**Event Date:** 09th April 2022

**Number of Registered Students:**45 **Chapter:** IEEE-TECHESS

St. Francis Institute of Technology (SFIT) has launched its first-ever female-centric technical community '**Techess**'. This community aims to give an ocean of opportunities to female engineers and inspire and help them achieve their goals. The Techess Community along

with the IEEE SFIT Student Branch organized the first Flagship event InQUIZitive for the current academic year. InQUIZitive is an online technical quiz competition which was conducted on Saturday, 9<sup>th</sup> April 2022. The tagline of the event was “Discover the prodigy among us”. It was held on a video conferencing platform Google Meet. The event had 14 participants and an audience of 40 from majorly St. Francis Institute of Technology, Mumbai.



IEEE Techess in collaboration with SFIT Alumni Association invited a guest speaker Joann Martins who is Technical lead CMATS Design R1 Airservices Australia. She described her

experience and motivated the audience by her speech. She later announced the winners of InQUIZitive. Gaurav Yadav and Rahul Biya earned the first prize of worth cash of Rs.1250/- and certificates and Semil Shah and Vishakha Mistry earned second place with worth Rs.750/- cash and certificates. Ms. Vaishnavi Puthran ended the session with vote of thanks to all the Convenors, proactive participants, enthusiastic audience.

### **Institution of Electronics And Telecommunication Engineers (IETE)**

Title of the course: Placement Talk Season 2

Department: Institution of Electronics And Telecommunication Engineers

Institution of Electronics And Telecommunication Engineers (IETE), had organized a webinar on "Placement Talk Season 2" on February 6, 2022 for all year students by a speaker of our college who are senior to present students. The topic for our webinar was Placement Talk. They briefed the audience about interviews, preparations, skills required, conceptual learning, smart ideas and shared their experience as well. They discussed their interviews and gave tips as well for others.

Title of the course: SQL WORKSHOP

Institution of Electronics And Telecommunication Engineers (IETE), had organized a webinar on "SQL WORKSHOP" on 12th March 2022 for all year students by speaker Mr. Santosh Chapneri. The topic for our webinar was SQL Workshop. It started with basic ideas of SQL, the advantage disadvantages its application. The actual use was illustrated. The session started with basic introduction to advance level concept. There was simultaneous practical conducted to check the output. The session have us an opportunity to learn a new language. It helped the students to complete their project. Finally it ended with a question and answer session.



## Report on “Kickstart to Python”

Event Date: **9th April, 2022**

No. of Registered Students: **305**

Resource Person: CSI Technical Team

A workshop on Kickstart to Python was organised by the Computer Society of India - SFIT on the 9th April ,2022, which was taken by the Tech Team. We closed registrations at 305 students due to the amazing response for the registration. We had 3 batches and garnered over 290+ attendees.



The following topics were covered during the session:

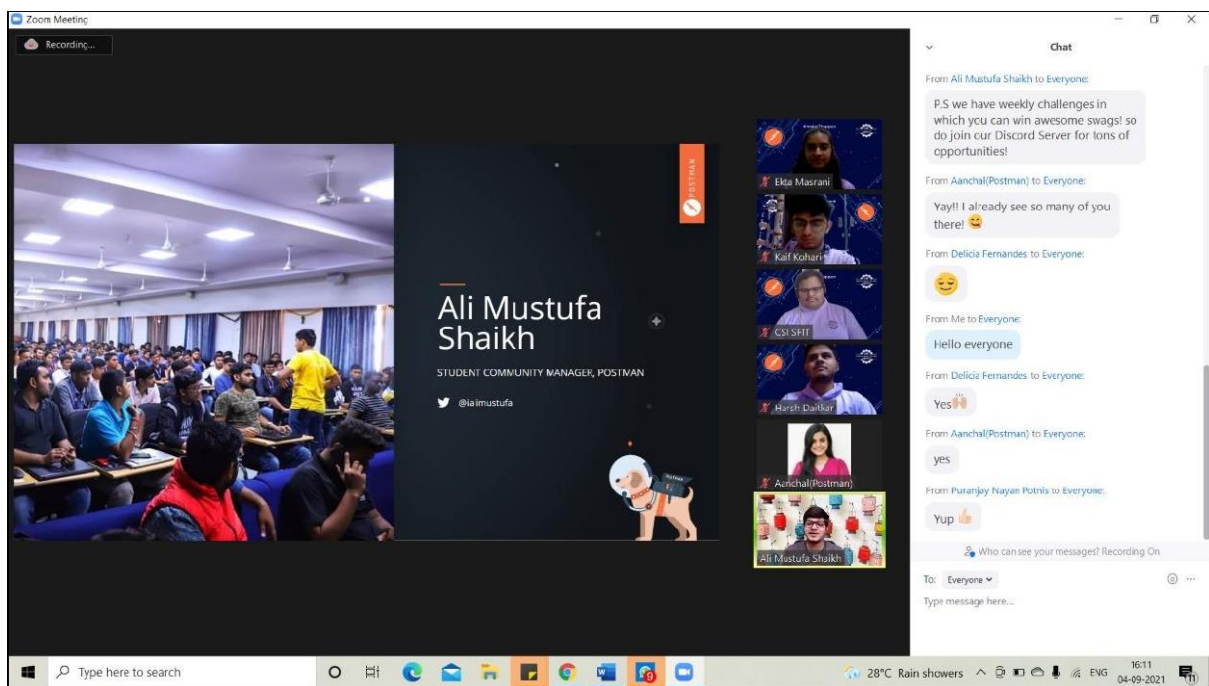
- |                          |                |
|--------------------------|----------------|
| 1.Introduction to Python | 6.Inheritance  |
| 2.Data types             | 7.Polymorphism |
| 3.Control statements     | 8.File Systems |
| 4.Functions              | 9.Applications |
| 5.Classes, Objects       |                |

## API 101 Workshop

Event Date: **4th September 2021**

No. of Registered Students: **132** Resource Person: Mr. (Postman Student Manager)

A workshop on API 101 was organized by the Computer Society of India - SFIT on the 13th September, 2021, which was taken by Ali Mustufa. We closed registrations at 132 students due to platform restrictions and garnered over 80+ attendees.



The following topics were covered during the session:

What are APIs?

Servers & Clients

Making HTTP requests to an API

Understanding API responses

Submitting data to APIs

Using query parameters to refine requests

Further Path:- APIs 102 and 103 with Postman Student Expert Certification.

INTERNATIONAL TECHNICAL PAPER PRESENTATION  
COMPETITION ORGANISED BY SFIT ISTE STUDENT CHAPTER

When you perform research, you are essentially trying to solve a mystery—you want to know how something works or why something happened. Technical paper presentation competition translates into an opportunity to better understand a subject and encourages them to write research papers.

The event didn't start on the day of the final competition but it started a month before. In the beginning, we had 26 registrations from Maharashtra, Tamilnadu, USA which were reviewed for plagiarism in the first round and 19 teams among them were shortlisted. In the second round, the papers were reviewed by teachers and professors from the respective domain and the final 16 papers were selected for the final competition the competition was divided into three groups based on the type of domain.

Chief guest and Judge for the event:

Dr. Narendra Shekokar (PhD Network Security)

Judges for the event: Dr. Ravindra Patil Dr. Ramesh R. Rajguru

**Date & time:** 12<sup>th</sup> April,2022, Monday, 10-30 am to 1-30 pm.

Event Overview:

It was a 3 hours competition where all the teams presented the idea of their research paper for 10minutes each.All the teams presented the IEEE format and were given reviews on their paper.The teams were judged on the basis of presentation skills,technical content,theory,teamwork and clarity of topic.

The winners of the competition were

Group	Prize	Member 1	Member 2	Member 3	Member 4	College
A	1st	Delicia Fernandes	Bhoomika Mewada	Rebecca Dias	Chelsea Dsouza	SFIT
	2nd	Karan Surve	Telcy Gomes	Vrundali Navadiya	Mukunda Gujar	SFIT
B	1st	Amogh Vartak	Nishad Vartak	Viraj Thakur	Sunny Yadav	SFIT
	2nd	Neha Bhaurao Borse	Aditi Naresh Vaity	Jaysukh Kalubhai Chavda		Thadomal Sahani
C	1st	Vedant Sharma	Karimullah Warsi	Aman Shetty	Adarsh Singh	SFIT
	2nd	Hilton D'SOUZA	Daksh DUDHAT	Joel CHIRIYANKANDATH	Shayne FERNANDES	SFIT

Technical Paper Writing

Technical Paper writing webinar was conducted by SFIT student chapter of the Indian Society for Technical Education (ISTE) on 22<sup>nd</sup> January, 2022 between 11.00 am to 1.00 pm. The speaker of the event was Dr. Vaqar Ansari. The session highlighted the aspects that contribute to better understanding of technical paper writing process, Plagiarism and its types, how to get rid out of plagiarism, I.C.Q.P, and research paper discussion. There was a total of 93 participants for this event. Through this event students were able to encompass various aspects of technical paper, and students got the confidence to write the technical paper.

## **LEARNING AND INFORMATION RESOURCE CENTRE**

### Resources of Our LIRC

<b>Media</b>	<b>UG Books</b>	<b>PG Books</b>	<b>Journals</b>
Volume	29185	1195	Print 36
Title	10745	296	IEEE Journals
Editions	380	02	IEEE ASPP

## **REPUBLIC DAY CELEBRATIONS**

### **(AS PART OF THE AZADI KA AMRIT MAHOTSAV SERIES)**

Elocution and Rangoli Competitions were organized online on Google Meet as part of the Republic Day Celebrations on 26<sup>th</sup> January 2022 in collaboration with the Literary and Social Media Committee.

The themes for the essay and rangoli were 75 years of Science and Technology in India and Azadi Ka Amrit Mahotsav respectively.

#### **LIST OF WINNERS:**

<b>Name of the Event</b>	<b>Winner</b>	<b>Runner Up 1</b>	<b>Runner Up 2</b>
Elocution Competition	Parth Rambhia (SE INFT)	Manjot Kaur Sokhi (TE CMPN)	Ashita Tiwari (TE CMPN)
Rangoli / Mandala Competition	Ashita Tiwari (TE CMPN)	Pranjal Raul (SE MECH)	Melvina Tulji (SE CMPN)



## OURIGINAL (URKUND) PLAGIARISM CHECK SOFTWARE

**Original (formerly Urkund), Plagiarism Check (Text Matching Solution – Plagiarism Prevention Software)** is now available in our Learning and Information Resource Centre (Central Library) as part of the ARIRD. This facility can be availed by Faculty Members,



Research Scholars and students of SFIT to check the similarity of the articles, theses, and dissertations and project reports.

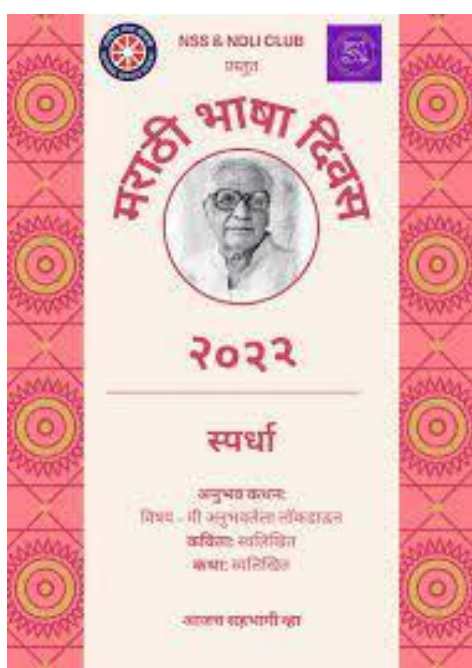
More details have been shared with all through email.

Image Source: [www.ouriginal.com](http://www.ouriginal.com)

### QUIZZES CONDUCTED BY SFIT NDLI CLUB

QUIZ No.	TITLE
12	National Youth Day – January 12
13	Marathi Bhasha Diwas – 27 <sup>th</sup> February
14	National Science Day – 28 <sup>th</sup> February
15	Nari Shakti – 8 <sup>th</sup> March
16	Dr. Babasaheb Ambedkar – 14 <sup>th</sup> April
17	World Book and Copyright Day – 23 <sup>rd</sup> April

### CELEBRATION OF MARATHI BHASHA DIWAS ON 27<sup>TH</sup> FEBRUARY 2022



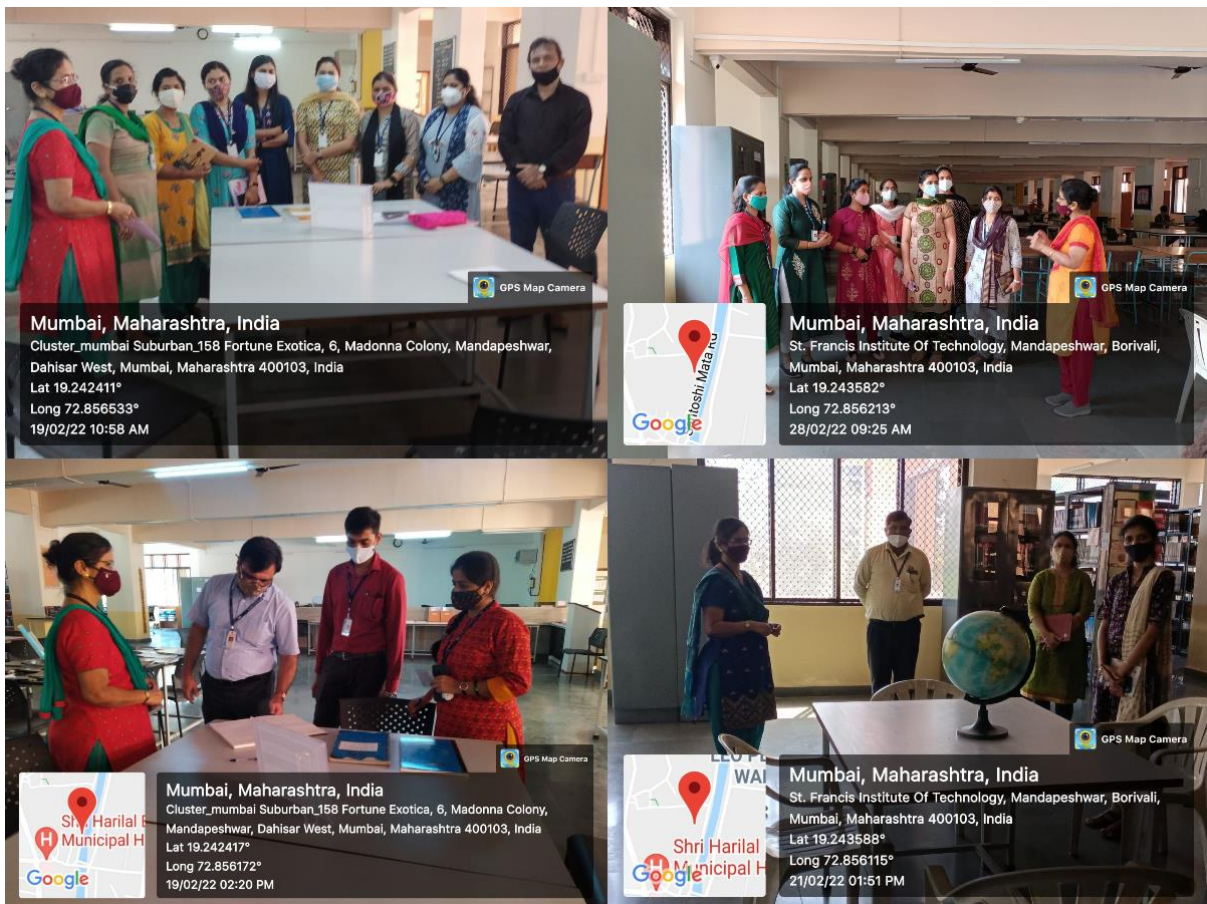


Marathi Bhasha Diwas is celebrated on 27<sup>th</sup> February every year in honour of Marathi language.

SFIT NSS in collaboration with the Learning and Information Resource Centre and Literary and Social Media Committee celebrated 'Marathi Bhasha Din' on the occasion of the birth anniversary of noted Marathi litterateur V. V. Shirwadkar, popularly known as 'Kusumagraj' whose birthday falls on 27<sup>th</sup> February every year.

A variety of activities as outlined below were organized in the College Foyer.

### ORIENTATION CUM INFORMATION LITERACY SESSION FOR NEW FACULTY MEMBERS



Total Number of Participants: 21

A general overview of the library and its resources, facilities, and specialized services for the faculty with a walk through of the huge library was undertaken.

## THEMATIC DISPLAY OF BEST PROJECT REPORTS



A Display of B.E. Best Project Reports of the years 2016 to 2018 was organized on 21<sup>st</sup> to 28<sup>th</sup> February 2022 for the students of T.E. and B.E. to serve as a guideline for their upcoming projects. Many students were inspired by the display. It also served as a motivation to enhance on the already completed projects.

## BOOK EXHIBITION ORGANIZED ON THE OCCASION OF INTERNATIONAL WOMENS DAY

### ST. FRANCIS INSTITUTE OF TECHNOLOGY LEARNING AND INFORMATION RESOURCE CENTRE

WOMEN'S DAY CELEBRATION – 8<sup>TH</sup> MARCH 2022  
WITH Ms. PERPETINA CORDA, Senior Manager, Essar



## DROP EVERYTHING AND READ

The D.E.A.R. (Drop Everything And Read) was initiated by our respected Principal Madam – Dr. Sincy George on the eve of Reading Inspiration Day i.e.



15<sup>th</sup> October 2022. This initiative is steadily gaining momentum after the Lockdown norms were relaxed.

The Drop Everything And Read (DEAR) strategy involves getting learners to stop what they are doing and read for 10 to 20 minutes. It is a method that helps build learners' literacy skills (especially when learners can select their book or journal). However, it is also useful for assisting learners in getting more depth of knowledge (DOK) on a subject being taught when you give them all an article or book to read to help them gain more insight for subsequent parts of the lesson.



Ms. Bidisha Roy (Associate Prof. – CMPN) and Dr. Vaishali Jadhav (Associate Prof. – INFT) were our D.E.A.R. learners for the period January to June 2022.

#### **THEMATIC DISPLAY ON INTERNATIONAL YOGA DAY – 21<sup>st</sup> JUNE 2022**



Few of the books displayed were:

1. B18661 [AUTOBIOGRAPHY OF A YOGI](#)  
By YOGANANDA,PARAMAHANSA  
KOLKATTA/YOGODA SATSANGA SOCIETY/2001  
920 YOG
2. B26062 [INNER ENGINEERING: A YOGI'S GUIDE TO JOY](#)  
By SADHGURU JAGGI VASUDEV  
HARYANA/PENGUIN/2016  
204.36 SAD
3. B12938 [STRIYANSATHI SULABH YOGASANE](#)-2nd ed.  
By YOGENDRA, SITADEVI/SAMBHUS, ANJALI  
MUMBAI/YOGENDRA PUBLICATION FUND/1992  
613.7046 YOG/SAM
4. B1713 [THE TREE OF YOGA : CLASSIC GUIDE TO INTEGRATING YOGA INTO YOUR DAILY.](#)  
By IYENGAR, B.K.S.  
NEW DELHI/HARPER COLLINS/1998  
181.45 IYE

#### STAFF PARTICIPATION AND ACTIVITIES:

Sr.No.	Name of the Staff	Title of the Workshop/Seminar	Date	Organizing Body
1	Chinmayee Bhange	Webinar on "Orientation to Digilocker"	4th February 2022	Chetan Dattaji Gaikwad Institute of Management Studies,Pune
2	Chinmayee Bhange	Webinar on "Libraries' Role in NAAC Process"	21st January 2022	D. P. Bhosale college, Koregaon
3	Sucheta Prabhudesai	Webinar on "Libraries' Role in NAAC Process"	21st January 2022	D. P. Bhosale college, Koregaon
4	Sr.Bhavya	Webinar on "Libraries' Role in NAAC Process"	21st January 2022	D. P. Bhosale college, Koregaon

<b>Sr.No.</b>	<b>Name of the Staff</b>	<b>Title of the Workshop/Seminar</b>	<b>Date</b>	<b>Organizing Body</b>
5	Raheem Sayyad	Webinar on “Libraries’ Role in NAAC Process”	21st January 2022	D. P. Bhosale college, Koregaon
6	Sucheta Prabhudesai	One Day Online Workshop for Library Support Staff on "Soft Skills for Capacity Building and Role of Enhancement	20th January 2022	The Learning Resource Center of KES' Shroff College of Arts and Commerce, Mumbai
7	Sr.Bhavya	One Day Online Workshop for Library Support Staff on "Soft Skills for Capacity Building and Role of Enhancement	20th January 2022	The Learning Resource Center of KES' Shroff College of Arts and Commerce, Mumbai
8	Anant Yadav	One Day Online Workshop for Library Support Staff on "Soft Skills for Capacity Building and Role of Enhancement	20th January 2022	The Learning Resource Center of KES' Shroff College of Arts and Commerce, Mumbai
9	Raheem Sayyad	One Day Online Workshop for Library Support Staff on "Soft Skills for Capacity Building and Role of Enhancement	20th January 2022	The Learning Resource Center of KES' Shroff College of Arts and Commerce, Mumbai



Compiled By:

Ms. Chinmayee Bhangе – Librarian

Ms. Sucheta Prabhudesai – Asst. Librarian

Ms. Priyanka Patil – Asst. Prof., INFT

Ms. Priya Karunakaran – Asst. Prof., CMPN

Ms. Snehal Lopes – Asst. Prof., ExTC

Ms. Neha Agnihotri – Asst. Prof., INFT

Mr. Yunus Dalal – Asst. Prof., MECH

Ms. Varsha Thandasarry – Asst. Prof., ELEC