



# BITS-N-BYTES

A Bi-Annual Newsletter of  
St. Francis Institute of Technology  
July to December 2021



**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	



## 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 aspires and wishes to impart to its students.

# DEPARTMENT OF INFORMATION TECHNOLOGY

## MAJOR EVENTS:

STTP from 6th Dec 2021 to 10th June 2021 on “Recent trends in Web Technologies”

Indian Institute for Technical Education (ISTE)  
Approved  
One week Online Short Term Training Program  
On

**“Recent Trends in Web Technologies”**



From  
6<sup>th</sup> Dec to 10<sup>th</sup> Dec 2021

Convenor  
**Dr. Joanne Gomes**

Coordinators  
**Dr. Minal Lopes Ms. Shree Jaswal**

**Organized By**  
Department of Information Technology  
St. Francis Institute of Technology  
(Engineering College)  
Mt. Painsur, Borivli (W)  
Mumbai – 400103.  
Phone: 28928585, 28908585  
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<http://www.sfit.ac.in>

**ABOUT SFIT**  
St. Francis Institute of Technology was established in 1999 with a view to create an Engineering Institute to fulfill the long felt need for an Institute of Excellence in Borivli. SFIT is a Roman Catholic Minority Educational Institute affiliated to the University of Mumbai, approved by AICTE and ISO 9001: 2015 certified and its Department of Information Technology is NBA accredited till June 2022. At SFIT, we offer five UG Programs in the most coveted disciplines namely: Information Technology, Computer Engineering, Electronics & Telecommunication Engineering, Electrical Engineering & Mechanical Engineering as well as PG and PhD programs in Computer Engineering and Electronics & Telecommunication Engineering.



**ABOUT THE DEPARTMENT OF IT**  
The Department of IT was established in 1999 and currently offers a Bachelor's degree in IT (Intake: 120). The department consists of highly

experienced faculty members well supported by a competent non-teaching support team. The department strives to create a conducive environment for transforming the enrolled potential fresher into competent Information Technology professional or entrepreneurs with integrity and ethical value.

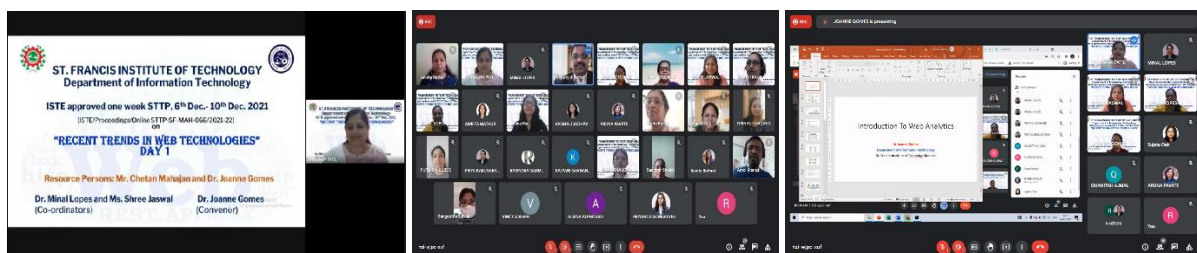
**ABOUT COURSE**  
Web technology is the establishment and use of mechanisms that make it possible for different computers and devices to communicate and share resources. Web technologies are infrastructural building blocks of any effective computer network. This course will introduce participants with practical know-how about an emerging set of frontend and backend frameworks and technologies used for developing web applications.

**OBJECTIVES**

- Open Source Tools for Web Analytics and Semantic Web.
- Learn TypeScript and understand how to use it in web application
- Empower the use of AngularJS to create web applications that depend on the Model-View Controller Architecture.
- Gain expertise in a leading document-oriented NoSQL database, designed for speed, scalability, and developer agility using MongoDB
- Build web applications quickly and with less code using Flask framework.
- Gain knowledge of Rich Internet Application Technologies.

This course has introduced participants with practical know-how about an emerging set of frontend and backend frameworks and technologies used for developing web applications. It has provided more insight to the participants for using/ developing/ teaching Web Technology tools, platforms, and different frameworks with a motive to accelerate expertise in this new technology. The content of this course is in line with the Mumbai University syllabus of Web X.0/ Web Lab (semester VI). The STTP had a significant number of registrations and many participants had shown keen interest in learning this new technology and asked many questions related to the topics on all five days.

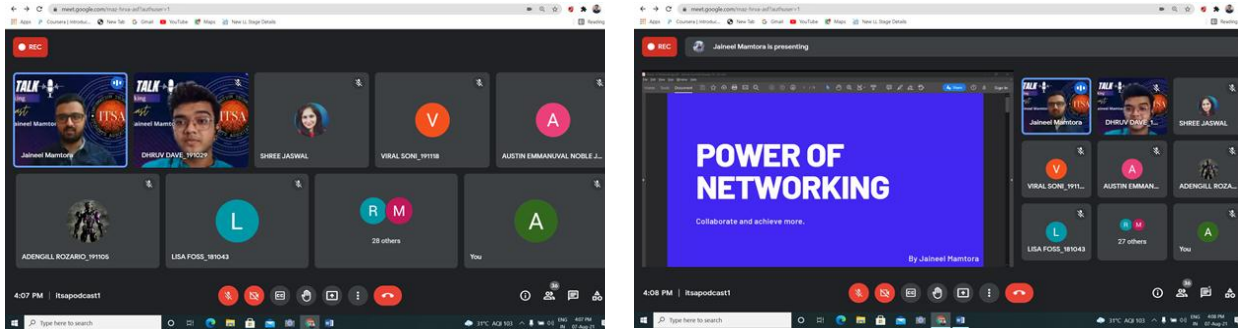
## Glimpses:



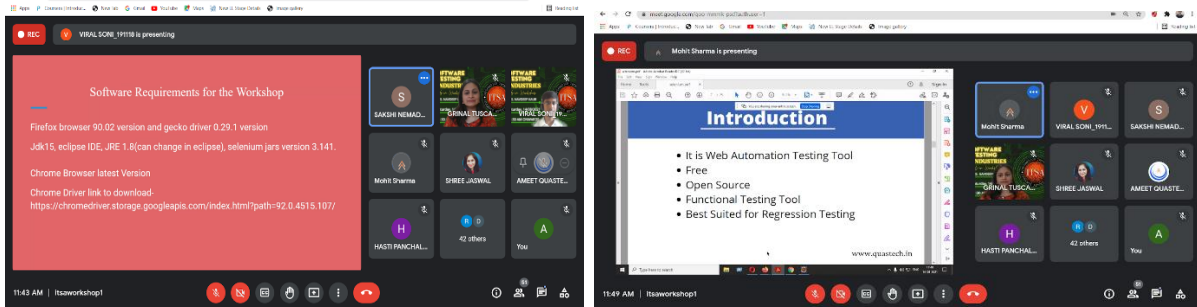
A department level session on “**Presentation Skills**” was conducted on 28th August 2021 for TEITA and TE ITB students from 10:30 am to 11:30 am in online mode using google meet. Resource Person for the session was Ms. Mrinmoyee Mukherjee.

### **Information Technology Students’ Association (ITSA) Events:**

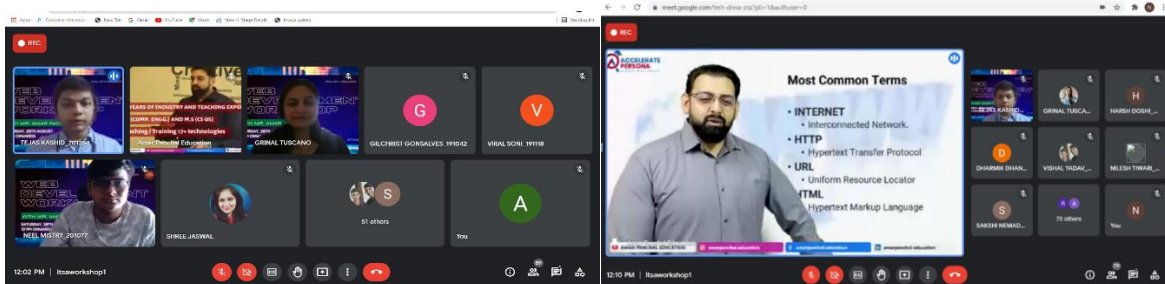
1. The PODCAST was arranged on 7th August 2021 (4:00 pm to 6:00 pm), via Google Meet. The resource person was Mr. Jaineel Mamtora, an extremely skilled IT engineer and also Smart India Hackathon winner for 2020.



2. A workshop on “Software Testing in Industries” was organized on 14th August 2021 (11:30 am to 3:00 pm), via Google Meet. The resource person was Mr. Mohit Sharma, an extremely skilled engineer at Quastech company.

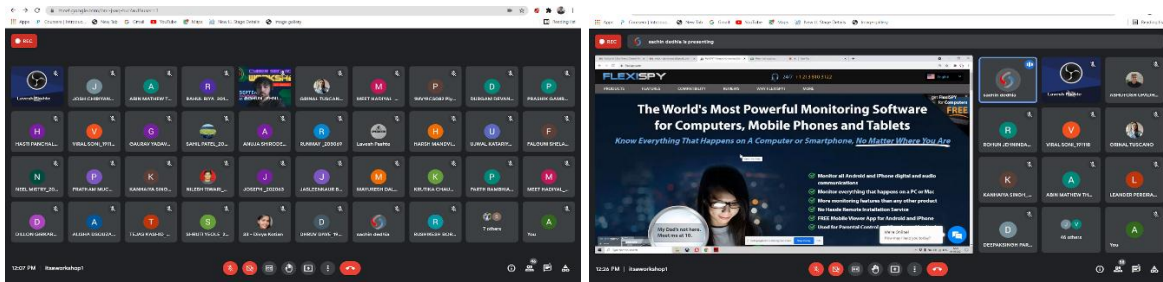


3. A workshop on “Web Development” was organized on 28th August 2021 (12:00 pm to 3:30 pm), via Google Meet. The resource person was person Mr. Amar Panchal is an extremely skilled Industrial Expert having vast experience of 14 years in MNCs and 12 years of experience in teaching Programming and Technologies.

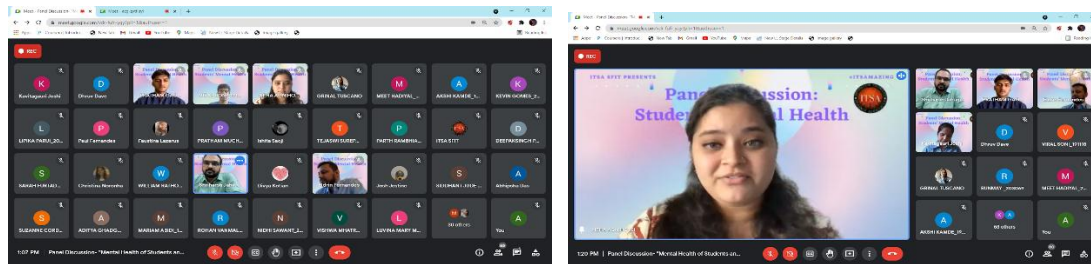


4. A workshop on “Cyber Security” was organized on 04th September 2021 (12:00 pm to 02:00 pm), via Google Meet. The resource person Mr. Sachin Dedhia is a certified

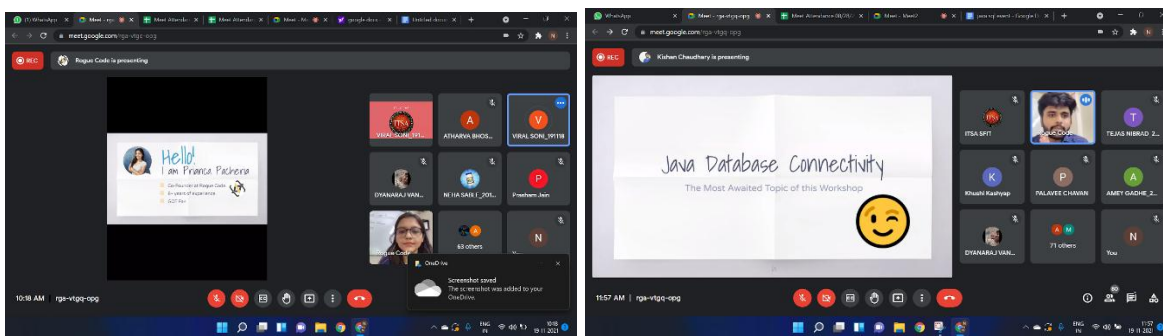
Ethical Hacker (CISA, CEH, CEI) and independent Cyber Crime Investigator with experience of 14 years.



- The Mental Health Panel Discussion was arranged on 25th September 2021 (01:00 pm to 03:00 pm) in online mode using google meet. Our four panelists Dr. Kavitagauri Joshi, Dr. Shriharsh Jahagirdar, Mr. Eldrin Fernandes, Ms. Neha Agnihotri are highly experienced experts in the field of Psychology and Mental Health. The Panelists delivered an excellent session giving insights about the importance of Mental Health and how to keep our mental health stable during this pandemic.



- A workshop on “JAVA and SQL” was organized on 19th November 2021 (10:00 pm to 02:00 pm), via Google Meet. An impactful session was delivered by our resource person Ms. Prianca Pacharia & Mr.Kishan Chaudhary.



## **FACULTY ACHIEVEMENTS**

### **FACULTY INVITED TALKS**

- Dr. Nitika Rai was invited for talk on “Real Mechanics of Classroom Teaching & Different Platforms for Online Teaching” during online STTP on FIP-2021 at SFIT on 2<sup>nd</sup> August 2021
- Ms. Amrita Mathur was invited for talk on “Empowering Social Life using AI” during online seminar on 21<sup>st</sup> August 2021
- Ms. Aruna Pavate was invited for talk on “Education during seminar on Can digital-driven education minimize the role of Teachers?” organized by Online -Rotary Club of Chennai Legends on 15<sup>th</sup> November 2021

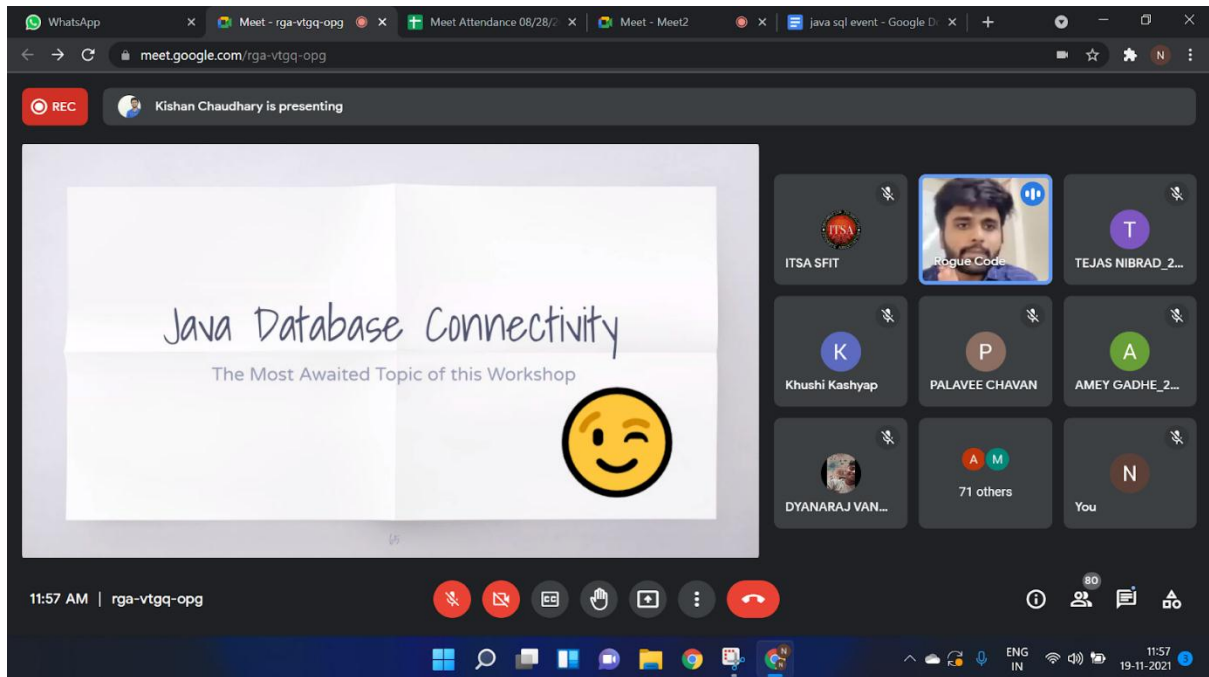
### **WORKSHOPS/ SEMINAR / STTP /CONFERENCE / ONLINE CERTIFICATION COURSES – ATTENDED**

- Dr. Minal Lopes:
  - AICTE ATAL Academy Online FDP on "Introduction to Quantum Computing and Information, from 5<sup>th</sup> to 9<sup>th</sup> July 2021 at Department of ECE
  - AICTE ATAL Academy Online Elementary FDP on "Applied Machine Learning, from 21<sup>st</sup> to 25<sup>th</sup> July 2021 at Department of Biomedical Engineering
- Dr. Nitika Rai conducted a 1-day seminar on “NAAC Assessment & Accreditation: Overview of the Guidelines 2021” under IQAC committee, SFIT on 10th July 2021
- Dr. Nitika Rai:
  - ATAL-FDP-Artificial Intelligence, Blockchain Security and Internet of Things for beyond 5G Communications, from 5<sup>th</sup> to 7<sup>th</sup> July 2021 at ATAL (IIT Indore)
  - ATAL-FDP on "IoT Applications with Blockchain Techniques", from 17<sup>th</sup> to 21<sup>st</sup> July 2021 at AICTE Training And Learning (ATAL) Academy- NIT Meghalaya
  - ATAL-FDP on "THE INTERNET OF THINGS & EVERYTHING – IOT/IOE Internet of Things (IoT) Thrust Areas", from 26<sup>th</sup> to 30<sup>th</sup> July 2021 at AICTE Training And Learning (ATAL) Academy-University Institute Of Engineering, Chandigarh University, Mohali
- Shree Jaswal:
  - ISTE approved STTP on “Building efficiencies in software project management by integrating DevOps Tools”, from 5<sup>th</sup> to 7<sup>th</sup> July 2021 at Thadomal Shahani College of Engineering, Bandra, Mumbai
- Ms. Monika Pal attended FDP on Recent Trends in Artificial Intelligence and Machine Learning and its Applications, from 5<sup>th</sup> to 7<sup>th</sup> July 2021 at IETE and CSI
- Ms. Aruna Pavate:
  - Machine learning using PythonD, from 10th to 14th August 2021 at Sinhgad technical education society in association with ATS Learning Solutions
  - Emerging paradigm in Artificial Intelligence and data science, from 16th to 20th August 2021 at Dept. of Information Technology and Artificial Intelligence and Data Science, Vishwakarma Institute of Technology, Pune
  - Recent trends in Deep Learning(RTIDL-2020), from 4th to 8th September 2021 at Department of information technology, government college of engineering, Aurangabad under(TEQIP-III)

## STUDENT ACHIEVEMENTS

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

- Arya Bodhankar won 1st prize in national level event at IBM Qiskit Global Summer School organized by IBM
- Bhagya Bhavesh Doshi published a paper and participated in International conference at Kristu Jyoti College of Management & Technology



## DEPARTMENT OF COMPUTER ENGINEERING

### RESEARCH AND DEVELOPMENT ACTIVITIES

**Software Testing in Industry and Opportunities in Software Testing Seminar was conducted for T.E. CMPN students on 9<sup>th</sup> October 2021.**

**Resource person:** Mrs. Swati Bansod, Test Engineer at ICE Mortgage Technology, Pune

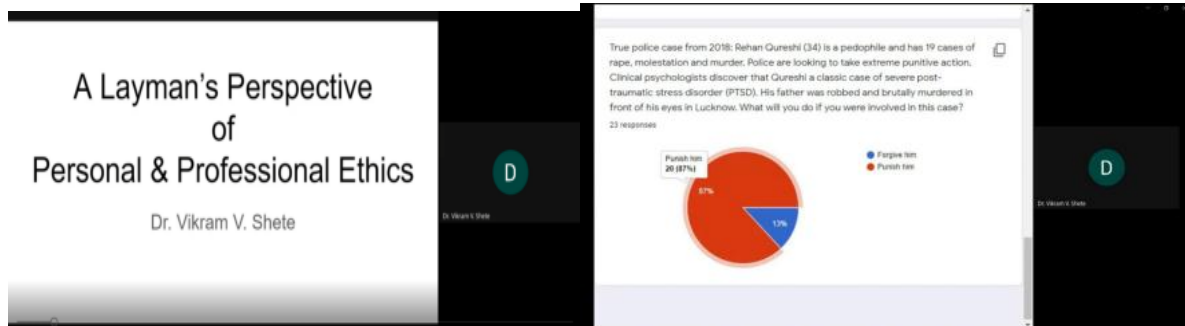


The speaker of the session Mrs. Swati Bansod has given a great insight on Software Testing in Industries and Opportunities in Software Testing. The speaker started from the basic concept of what product is, types of companies and covered various topics in the field of software development. The role of tester and developer during software development was clearly explained by the resource person. Various stages in software development life cycle were discussed. To explain the SDLC process an example of eBay shopping website was also given and was explained how the various modules are designed and tested in step by step manner. Using this example students got the clear idea about the software development process. The speaker talked about the Jira tool, which is a software application used for issue tracking and project management. She explained how this tool is widely used by agile development teams to track bugs, stories, epics, and other tasks. Then she talked on different testing techniques applied while developing and testing the software. The concept of black box testing and white box testing was explained in detail. The agile methodology which is used while creating any software product was also covered during the session. The Scrum and Kanban model used in agile methodology was explained in detail. The speaker also talked about why scrum model is widely used in any software company. The doubts and questions put by the students were also answered at regular intervals. Overall the session provided a great knowledge regarding software development and testing techniques used in software industries.



## Seminar on Professional Ethics for B.E. CMPN students on 15<sup>th</sup> November 2021

**Resource person:** Dr. Vikram V. Shete, Ninsar Agritech



There were approximately 140 student participants and 2 faculty participants who attended the seminar. The opening remark was given by Ms. Delicia Fernandes where she introduced the Speaker, Dr. Vikram V. Shete.

Further, the speaker took over the session and started off by diving right into the topic A layman's perspective on personal and professional ethics. " He emphasized that professional ethics are an extension of personal ethics. He also mentioned that ethics change from time to time and from situation to situation depending on the frame of reference. Something that is ethical in the oil industry might absolutely be unethical in the IT industry, he added.

He further spoke about why he was qualified to give the session wherein he summarized his life experiences transitioning from a salary of few lakhs to wondering how to pay rent, failed relationships, marriage and parenting, etc. where he did not give up but kept going. He highlighted the importance of being optimistic even in challenging situations.

Then he spoke about „what is ethics? “ and „Why do I need any ethic in my life? “. He then described the two types of ethics:

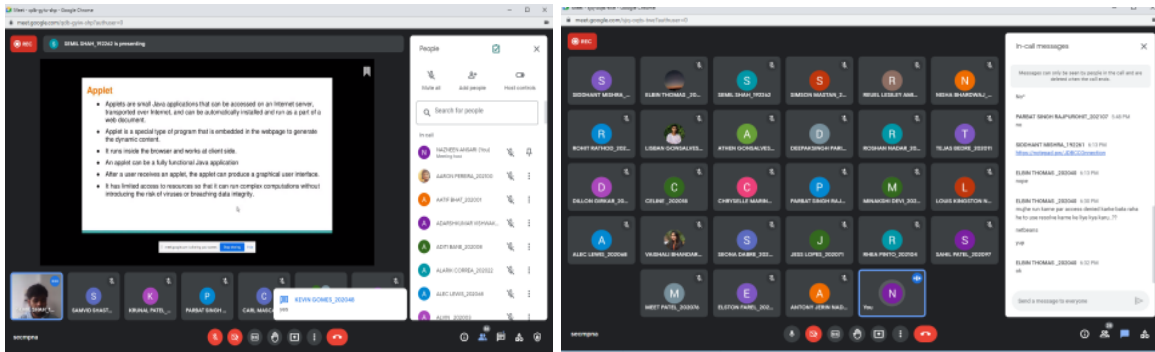
1. Taking tough calls and decisions
2. Deciding right or wrong

He explained these types by using the world war and triage as an example where work ethics come in to play.

## Seminar on “JDBC Workshop” on 14<sup>th</sup> to 16<sup>th</sup> November 2021

**Resource persons:** Mr. Semil Shah and Mr. Siddhant Mishra, STATIC.INT EDUCARE

There were approximately **70** student participants and 01 faculty participant who attended the workshop. The program was started with welcome speech by Dr. Nazneen Ansari where she introduced the Speakers Mr. Semil Shah and Siddhant Mishra both B.E. Computer Engineering student of SFIT. Later, Semil Shah took over the session.



**In Day 1** The speaker started off by introducing himself and his friend and then revised the topic like the Applets. Semil covered basics of Applets like Applets lifecycle, Applets functions, Different components present in applets (e.g. - Button, TextField, checkbox, etc.). Running Applet. He also took hands-on session on applets wherein he taught students how to make an GUI application to select language and use of components like Button, Text field,

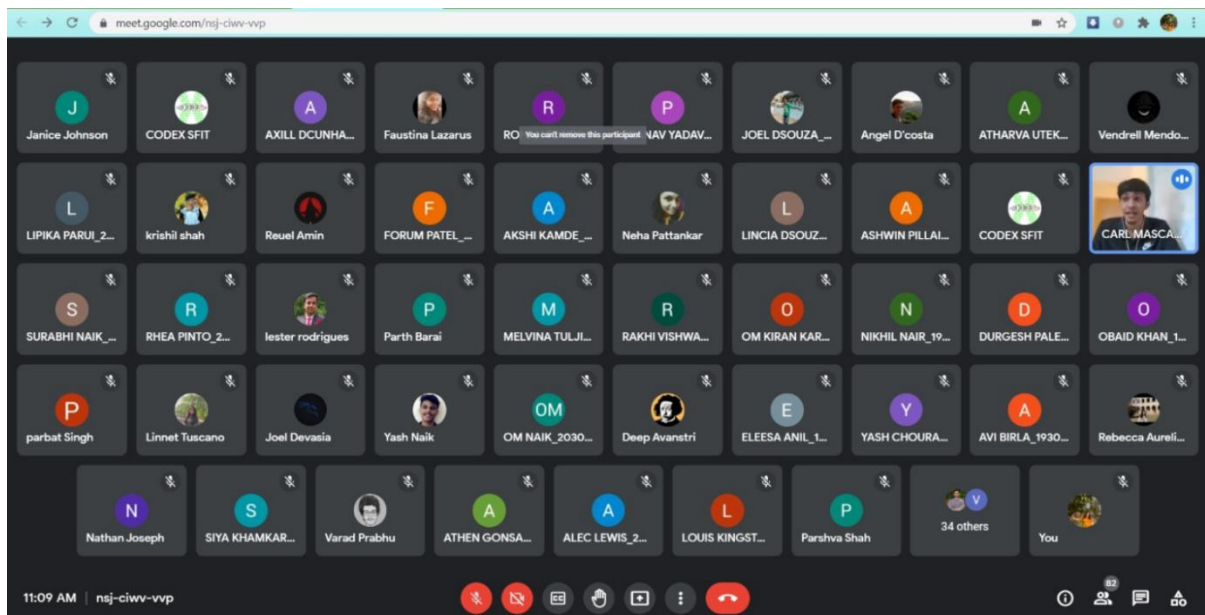
Text Area and checkbox etc.

**In Day 2:** - The speaker covered the following topics with the help of a hands-on session Concept of Interfaces. Action Listeners. Mouse Event Listeners. Keyboard listener. Mouse Dragged. Mouse Moved Key Event

**In Day 3:** - The speaker covered the following topics with the help of a hands-on session Introduction to MYSQL. Commands in MYSQL. Creating project and Adding JDBC jar file to build Path in NetBeans. Connecting with MYSQL and performing Operations. Students performed the following in the session

## CODEX ACTIVITIES

### WEB SCRAPING 101



Event Date: **25<sup>th</sup> September 2021**

Time: **11:00 am to 01:00 pm (2 Hours)**

Venue: **Online (Google meet)**

No. of Registered Students: **145**

Resource Person: **Harsh Rai and Carl Mascarenhas**

The following topics were covered during the session:

1. What is Web Scraping?
2. Puppeteer Installation
3. Quick Guide
4. Project Creation to understand Web Scraping

The session was commenced by Carl Mascarenhas. He introduced the participants about what web scraping is, how it can be used to extract data from any website. The second session of the workshop was taken over by Harsh Rai. In this session a hands on project creation to explore more about web scraping was taken by the speaker.

### Road Map To CP and DSA

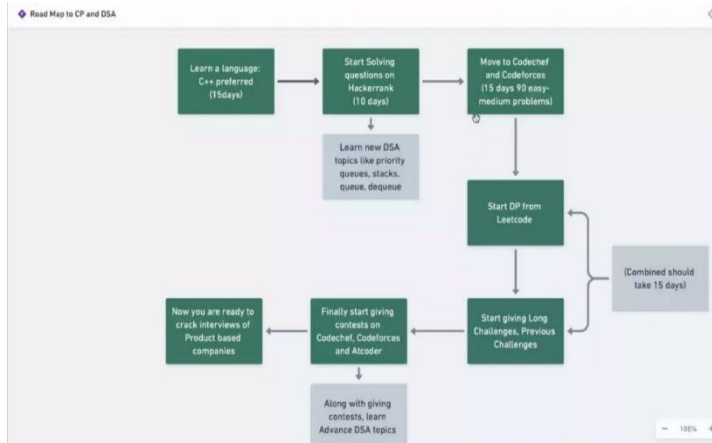
Event Date: **09<sup>th</sup> October 2021**

Time: **5:00 pm to 6:30 pm**

Venue: **Online (Microsoft Teams)**

No. of Registered Students: **301**

Resource Person: **Mr. Aansh Sardana**



The Road Map to CP and DSA webinar was conducted on 09<sup>th</sup> October 2021, at 5pm through MS Teams. The speaker for the webinar was Mr. Aansh Sardana. The major objective of the session was to familiarize the attendees with how to start Competitive Programming

(CP) and DSA.

The following topics were covered during the session:

1. What is Competitive Programming?
2. Benefits of Competitive Programming.
3. Why should one practice it?
4. Approach to solving common Problems
5. Mistakes to avoid as a beginner
6. Resources to practice
7. Roadmap to CP and DSA

The session was commenced by Aansh Sardana. He introduced the participants about what CP i.e Competitive Programming is, and how it can be used to solve problem in a contest environment. He then talked about how CP and DSA can be useful to increase analytical thinking and logic building, and how CP can be helpful for candidates to land a position in a dream company.

Mr. Aansh talked about the programming languages like C++ and Java which are mostly used by Competitive Programmers. He suggested the beginners to start with C++ and solve questions on HackerRank platform.

## 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	Varsha Shrivastava	FDP on Advanced Technologies for Societal Changes: A 360-degree view	22.11.2021 to 26.11.2021	5 days	ATAL	Online Mode
2	Safa Hamdare	STTP On "Big Data Analytics"	20.09.2021 -24.09.2021	5 days	ATAL	Online Mode
3	Safa Hamdare	FDP on UHV	22.11.2021-27.11.2021	6 days	AICTE	Online Mode
4	Jayashri Mittal	STTP On "Big Data Analytics"	20.09.2021 -24.09.2021	5 days	ATAL	Online Mode
5	Jayashri Mittal	STTP on "Natural Lanaguage Processing"	8.11.21 - 12.11.21	6 days	ATAL	Online Mode
6	Varsha Nagpurkar	ATAL Academy Online Elementary FDP on "Advanced Technologies for Societal Changes:A 360-degree view"	22.11.2021-26.11.2021	5 Days	ATAL	Online Mode
7	Varsha Nagpurkar	FDP on UHV	08.11.2021-12.11.2021	5 Days	AICTE	Online Mode
8	Dakshata Panchal	AICTE sponsored STTP on "Blockchain and it's applications (Phase-III)"	12.07.2021-17.07.2021	6 days	ISTE	Online Mode
9	Dakshata Panchal	AICTE sponsored STTP on "Blockchain and it's applications (Phase-IV)"	16.08.2021-21.08.2021	6 days	AICTE sponsored	Online Mode
10	Dakshata Panchal	FDP on "Internet of Things (IOT) with Artificial Intelligence (AI)"	12.07.2021-16.07.2021	5 days	ATAL	Online Mode
11	Snehal Kulkarni	"Advanced Technologies for Societal Changes: A 360-degree view"	22/11/2021 to 26/11/2021	5 daya	ATAL	Onine mode
12	K. Priya Karunakaran	FDP on "Inculcating Universal Human Values in Technical Education"	2-6 August, 2021.	5 days	AICTE	Online Mode

13	K. Priya Karunakaran	FDP on "Competitive Coding"	28th June 2021 to 3rd July 2021	1 week	MeitY & IIT Kanpur	Online Mode
14	Ankita Karia	ISTE approved Online/SF-STTP/FDP Programme on "Recent Trends in Web Technologies"	06.12.2021 to 10.12.2021	1 week	ISTE	Online Mode

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

Sr. No.	Name of the faculty	STTP/ Workshop/ Seminar Conducted	Topic	Conducted for	Date
1	Vincy Joseph	Workshop	"Hands-on Workshop on Innovative Solutions using PGM Systems",	Department of Computer Engineering, KJSIEIT, Sion	7th Sep 2021
2	Annie Minu Sathiyaseelan	3 day Workshop	Mobile Application Development	30-hour value added course in SFIT	31st July-3rd August
3	Dakshata Panchal	One day Workshop	Introduction to Latex	Students of department of Mechanical Engineering, SFIT	18th Sept. 2021
4	Mrs. Anuradha Srinivasaraghavan	Sttp-AI,ML,Deep learning using Matlab	Basics of ML, Supervised Learning and Unsupervised Learning	STTP organized by Vardhaman college of Engineering Hyderabad	27th and 28th Sept 2021
5	Mrs. Anuradha Srinivasaraghavan	Expertising ML and DL Concepts	Basics of ML, Ensemble Learning, Hypothesis testing	3-day workshop organized by St. Ann College Hyderabad	Oct21-Oct23 2021
6	Ms. Anuradha Srinivasaraghavan	Supervised Learning algorithms	Machube Learning Basic to Advance	30-hour value added course in SFIT	13thDec-17th Dec
7	Ms. Anuradha Srinivasaraghavan	Basics on Shallow Neural Networks	VAC-Deep learning	30-hour value added course in SFIT	19th Dec-23rd Dec

### Certified Online Courses Completed

Sr. No.	Name of Faculty	Course title	Organizing Body (NPTEL/ Coursera etc)	Duration	From Date	To Date	Remarks
1	Ms. Safa Hamdare	Database Management Essentials	Coursera	2 months	20.7.2021	21.9.2021	Completed
2	Ms. Anuradha Srinivasaraghavan	Google Certified data analyst	Coursera	Set of 8 courses	May 2021	Aug 2021	Completed
3	Mr. Shamsuddin S	Inculcating Universal	All India Council for	5 days	20-Dec 2021	24th Dec	Completed

	Khan	Human Values in Technical Education	Technical Education(AICTE)			2021	
4	Ms. Pradnya Sawant	Implementation on Techniques for Relational Database Systems	IIT Bombay	1 Semester	26-July-2021	12-12-2021	Completed
5	Ms. Bidisha Roy	Nature Inspired Optimization Techniques	AICTE ATAL	1 week	20-07-2021	25-07-2021	Completed

### DEPARTMENTAL RESEARCH ACTIVITIES

Sr. No	Name of the Faculty	Name of Project	Status of Completion in %
1	Ms. Jayashree Mittal, Ms. Varsha Srivastava	Exam seat allocation	50%
2	Ms. Ankita Karia, Ms. K. Priya	Inventory management system	10%
3	Mr. Shamsudin Khan, Ms. Nidhi Gaur	Automation of Exam Result Generation	40%

### MINOR RESEARCH GRANTS

Sr. No.	Name of faculty	Project Name	Sanctioned amount	Date of Proposal	Date of Approval
1	SACHIN D MORE	"Memory Management Through a Process of Virtual Data Hiding in An Carrier object" SERB, New Delhi (Science and Engineering Research Board)	Rs. 1,84000/-	13 -July-2021	Pending

### PRODUCT DEVELOPMENT/ OUTHOUSE PROJECTS

Sr. No.	Product / Project Title	Name of Faculty	Name of Students
1	Automated E-Learning system providing adaptive content solutions for Claraeon Learning	Ms. Anuradha Srinivasaraghavan	Dias Rebecca Hilary, Dsouza Chelsea George, Fernandes Delicia Domnic, Mewada Bhoomika Shivilal
2	IIoT and ML Powered Predictive Maintenance Using Digital Twins for IXORIO	Ms. Anuradha Srinivasaraghavan	D'silva Aaron Arnold Joseph, Dsilva Alan Anand, Dsouza Ansel Francis Abraham, Lobo Sherwin Robinson
3	Cloud based video hosting website	Ms. Nidhi Gaur	Dhuri Shravani Pralhad, Rebello Clare Richard, Rebello Kate Robin, Shah Janhvi Hitesh

4	Android Application for True Binaries Company	Ms. Safa Hamdare	Bhoomika Mewada, Chelsea Dsouza, Rebecca Dsouza, Delicia Fernandes
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## FACULTY PUBLICATIONS

Sr . No	Name of Faculty	Title of publication	Publication details	Date of publication	Journal/ Conference
1	Dr. Kavita Sonawane	“CNN-RNN based approach for Simultaneous Detection, Identification and Classification of Intracranial Hemorrhage”	<i>International Conference on Communication information and Computing Technology (ICCICT)(ICCICT), 25-27 June 2021</i>	August 2021	Scopus Conference
2	Dr. Kavita Sonawane	“Securing folder directory using image encryption by Chaos and Rijndael Algorithm”	<i>International Conference on Communication information and Computing Technology (ICCICT)(ICCICT), 25-26 June 2021</i>	August 2021	Scopus Conference
3	Anuradha Srinivasaraghavan	“Lyrics Inducer Using Bidirectional Long Short-Term Memory Networks”	Proceedings of International Conference on Communication and Computational Technologies, Springer, ICCCT 2021	Sept 2021	Scopus Journal
4	Anuradha Srinivasaraghavan	Book Chapter of Semantic Web for effective Healthcare systems	Book Chapter, Scrivener Publishing	November 2021	<u>Scrivener publishing</u>
5	Pradnya Sawant	" Data Transfer Between Cloud Management System in Serverless	<i>4th IEEE International Conference on Computing and Communication Technologies, Dec 2021</i>	December 2021	International Conference



		Paradigm"			
6	Pradnya Sawant	"Location Prediction on Twitter Using Hybrid Model",	Book Chapter of Soft Computing for Security Applications, Springer, pp. 915-928, 2021	July 2021	Springer
7	Snehal Kulkarni	"Water Scarcity Predictor and Supply Scheduling"	<a href="https://www.irjet.net/archives/V8/i8/IRJET-V8I8197.pdf">https://www.irjet.net/archives/V8/i8/IRJET-V8I8197.pdf</a> " <i>International Research Journal of Engineering and Technology</i> (IRJET),e-ISSN: 2395-0056,Volume: 08 Issue: 08	August 2021	International Journal
8	K. Priya Karunakaran	"Emotionally relevant background music generation for audiobooks",1	<i>IEEE International Conference on Artificial Intelligence &amp; Machine Vision</i> , PDEU, Gandhinagar, Gujarat	September 2021	International conference
9	Bidisha Roy	Handling Class Imbalance in Fraud Detection Using Machine Learning Techniques	In: Kumar A., Senatore S., Gunjan V.K. (eds) ICDSMLA 2020. Lecture Notes in Electrical Engineering, vol 783. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-3690-5_74">https://doi.org/10.1007/978-981-16-3690-5_74</a>	Nov 2021	Springer
10	Varsha Shrivastava	Chess Moves Prediction using Deep Learning Neural Networks	2021 International Conference on Advances in Computing and Communications	21-23 Oct. 2021	International conference

### STUDENT ACHIEVEMENTS

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

***(Result of May 2021)***

#### SEM II

Rank	Name of Student	SGPA
1	MAHIMKAR SWARALI SANJAY	10
	DSOUZA RENOY CHARLES	10
	MENDONCA VENDRELL VERNON	10
2	BHERE MEHUL MOHAN	9.97

3	PATEL SAHIL SHAILESH	9.96
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#### SEM IV

Rank	Name of the Students	SGPA
1	<b>50 students have been awarded with 10 pointer</b>	10
2	SHERINE SEBASTIAN	9.98
3	AARON AUGUSTINE ALBUQUERQUE	9.96
	CYRUS MELROY SIPRAS FERNANDES	
	RALPH JOSEPH DSOUZA	
	YUGANDHAR ADHIK KHAIR	
	RYAN LANCY VARGHESE VARGHESE	
	SURAJ MOHAN GUPTA	
	JAMES ELIYAN FERNANDES	
ADMON THOMAS ALOZ		

#### SEM VI

Rank	Name of the Students	SGPA
1	<b>27 students have been awarded with 10 pointer</b>	10
2	CAIRN NELSON CORREIA	9.96
3	SHRAVANI PRALHAD DHURI	9.95
	TIRTHA SANJEEV RAUT	

#### SEM VIII

Rank	Name of the Students	SGPA
1	<b>68 students have been awarded with 10 pointer</b>	10
2	BRIAN NELSON SOARES	9.96
	AKSHAT MAHESH BHAGAT	
	DIPIKA SUNIL SURVE	
	JAYNISH MANOJ MORAKHIA	
	MINAL JAYAWANT MATRE	
	SWAPNIL YASHWANT CHAWARE	
	URVI SHIVAN	

	SACHIN ANANDA ADATE	
	RYAN RONY PEREIRA	
	PETER RICHIE JACOB MUNDUCHIRACKAL	
	KARTIK RAVI MUNJAL	
	JERIN VARGHESE	
3	ALISTO MARSHALL PINTO	9.92
	VINSON VALERINE NORONHA	
	JAI SACHIN MULYE	
	SURAJ RAMBACHAN MAURYA	
	SYBIL LAWRENCE FERNANDES FERNANDES	
	JHANVI ROHIT ROHIT	
	JESSICA ARNALDO KINNY	

## 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	No of members in your group	Professional Body associated
1	12/09/2021	App Development using Flutter	Orvil D'silva	TE CMPN A	Google meet	215	31	IEEE SFIT
2	19/09/2021	UI/UX Designing	Orvil D'silva	TE CMPN A	Google meet	150	31	IEEE SFIT
3	25/09/2021	Open CV-Computer Vision	Orvil D'silva	TE CMPN A	Google meet	70	31	IEEE SFIT
4	15/08/2021	Expand your professional network through IEEE	Orvil D'silva	TE CMPN A	Google meet	35	31	IEEE SFIT
5	25/09/2021	Web Scraping 101 Workshop	Yash Mirajkar	TE CMPN A	Google meet	121	35	CODEX

6	09/10/2021	RoadMap To CP and DSA	Yash Mirajkar	TE CMPN A	Microsoft Team	216	35	CODEX
7	25/09/2021	Web Scraping 101 Workshop	Leah Dsouza	TE CMPN A	Google meet	121	35	CODEX
8	09/10/2021	RoadMap To CP and DSA	Leah Dsouza	TE CMPN A	Microsoft Team	216	35	CODEX
9	25/09/2021	Web Scraping 101 Workshop	Shaun Figueiro	TE CMPN A	Google meet	121	35	CODEX
10	09/10/2021	RoadMap To CP and DSA	Shaun Figueiro	TE CMPN A	Microsoft Team	216	35	CODEX
11	25/09/2021	Web Scraping 101 Workshop	Rebecca Aurelia Dsouza	TE CMPN A	Google meet	121	35	CODEX
12	09/10/2021	RoadMap To CP and DSA	Rebecca Aurelia Dsouza	TE CMPN A	Microsoft Team	216	35	CODEX
13	13/09/2021	ML and AI Webinar	Eleesa Anil	TE CMPN A	Google Meet	65	26	IETE SFIT
14	08/10/2021	Resume Building & Interview Preparation Webinar	Eleesa Anil	TE CMPN A	Zoom	90	26	IETE SFIT
15	11/12/2021	Data Science Webinar	Eleesa Anil	TE CMPN A	Google meet	60	26	IETE SFIT
16	25/09/2021	Web Scraping 101 Workshop	Medhashakti Khatri	TE CMPN A	Google meet	121	35	CODEX
17	09/10/2021	RoadMap To CP and DSA	Medhashakti Khatri	TE CMPN A	Microsoft Team	216	35	CODEX
18	25/09/2021	WebScraping 101 Workshop	Prajwal Bawankule	TE CMPN A	Google Meet	121	35	CODEX
19	09/10/2021	RoadMap To CP and DSA	Prajwal Bawankule	TE CMPN A	Microsoft Team	216	35	CODEX
20	13/09/2021	ML and AI Webinar	Prajwal Bawankule	TE CMPN A	Google Meet	65	26	IETE SFIT
21	08/10/2021	Resume Building and Interview Preparation Webinar	Prajwal Bawankule	TE CMPN A	Zoom	90	26	IETE SFIT
22	11/12/2021	Data Science	Prajwal Bawankule	TE CMPN A	Google Meet	60	26	IETE SFIT

		Webinar		A				
23	11/12/2021	Data Science Webinar	Shiny Khootozhathil	TE CMPN A	Google Meet	60	26	IETE SFIT
24	08/10/2021	Resume Building & Interview Preparation Webinar	Shiny Khootozhathil	TE CMPN A	Zoom	90	26	IETE SFIT
25	13/09/2021	ML and AI Webinar	Shiny Khootozhathil	TE CMPN A	Google Meet	65	26	IETE SFIT
26	12/09/2021	App Development using Flutter	Orvil D'silva	TE CMPN A	Google meet	215	31	IEEE SFIT
27	13-9-2021	Global Navigation Satellite System	Vandan M Raut	TE CMPN B	You Tube	500	NA	Indian Institute of Remote Sensing (IIRS), Dehradun
28	18-9-2021	Nurture your Psyche	Manjot Kaur Sokhi	TE CMPN B	Google meet	85	22	ISTE SFIT
29	18-9-2021	Nurture your Psyche	Ashita Tiwari	TE CMPN B	Google meet	85	22	ISTE SFIT
30	18-9-2021	Nurture your Psyche	Nipun Henriques	TE CMPN B	Google meet	85	22	ISTE SFIT
31	16-10-2021	React-a-Thon	Tripti Nayak	TE CMPN B	Google meet	NA	NA	CSI-KJSIEIT
32	18-9-2021	HackOdisha	Tripti Nayak	TE CMPN B	discord	NA	2	Webwiz NIT Rourkela
33	18-9-2021	ReactJS Bootcamp	Tripti Nayak	TE CMPN B	Google meet	NA	NA	CSI-KJSIEIT
34	12-8-2021	Kubix square internship	Tripti Nayak	TE CMPN B	discord	NA	4	Kubix square
35	18-9-2021	Nurture your Psyche	Dharmit Shah	TE CMPN B	Google Meet	85	22	ISTE SFIT
36	25-9-2021	Web Scraping	Rohit Rahatal	TE CMPN B	Google Meet	121	35	CODEX-SFIT
37	15/8/21	Skill India Internship	Durgesh Palekar	TE CMPN B	Google Meet	NA	3	Elite Techno Groups
38	15/8/21	Skill India Internship	Yash Parab	TE CMPN B	Google Meet	NA	3	Elite Techno Groups
39	18th September 2021	UI/UX Workshop	Darren Felix Noronha	BE CMPN A	Virtual	150	2 (Including me)	E-CELL SFIT

40	14th, 15th & 16th November 2021	Application Development using JavaFX and JDBC Framework	Siddhant Mishra	BE CMPN B	Google Meet	120	2 (Including self)	SFIT Computer Engineering Department
41	15th, 16th & 17th December 2021	Value-added course on "Mobile Application Development"	Siddhant Mishra	BE CMPN B	Google Meet	120	1 (Self)	SFIT Computer Engineering Department

### 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	25/09/21	Web Scraping Workshop	Steven Mathew	SE CMPN A	Zoom	Participated	SFIT
2	26/06/21	International day in support of victim of torture (essay)	Shruti Humbal	SE CMPN A	Online	Participated	Pillai College of Engg, Raigad
3	18-8-21	30 hr Java workshop	Yash chourasia	SE CMPN A	Microsoft teams	Participated	SFIT
4	18-9-21	IEEE career lab satellite seminar	Yash chourasia	SE CMPN A	zoom	Participated	SFIT
5	18-9-21	UI/UX design workshop	Yash chourasia	SE CMPN A	zoom	Participated	E-cell SFIT
6	25-9-21	web scrapping 101	Yash chourasia	SE CMPN A	Google meet	Participated	Codex-SFIT
7	2-10-21	TedX ideas worth spreading	Yash chourasia	SE CMPN A	zoom	Participated	SFIT
8	26-9-21	computer vision workshop	Yash chourasia	SE CMPN A	zoom	Participated	IEEE-SFIT
9	18-8-21	30 hr Java workshop	Yash chourasia	SE CMPN A	Microsoft teams	Participated	SFIT
10	18-9-21	IEEE career lab satellite seminar	Yash chourasia	SE CMPN A	zoom	Participated	IEEE-SFIT

11	18-9-21	UI/UX design workshop	Yash chourasia	SE CMPN A	zoom	Participated	IEEE-SFIT
12	25-9-21	web scrapping 101	Yash chourasia	SE CMPN A	Google meet	Participated	Codex-SFIT
13	18-8-2021	30 hr Java Workshop	Simone Savio Gracias	SECMPNA	Microsoft teams	Participated	SFIT
14	25-9-2021	Linked in	Simone Savio Gracias	SECMPNA	Google meet	participated	SFIT
15	1-10-2021	milestone to project management	Simone Savio Gracias	SECMPNA	Google meet	participated	SFITTA
16	8-10-2021	introducing to IoT	Simone Savio Gracias	SECMPNA	Google meet	participated	SFIT
17	18-8-2021	30 hr C to Java workshop	Rhea Pinto	SECMPNA	Microsoft teams	Participated	SFIT
18	28-8-2021	Web Development Workshop	Rhea Pinto	SECMPNA	Google Meet	Participated	ITSA-SFIT
19	28-8-2022	Unnati 2021-UI/UX design workshop	Rhea Pinto	SECMPNA	Zoom	Participated	IEEE-SFIT
20	28-8-2023	Postman API 101	Rhea Pinto	SECMPNA	Zoom	Participated	CSI-SFIT
21	25-9-2021	Web Scrapping 101	Rhea Pinto	SECMPNA	Google Meet	Participated	Codex-SFIT
22	25-9-2021	LinkedIn	Rhea Pinto	SECMPNA	Google Meet	Participated	SFIT
23	1-10-21	Milestones To Project Managment	Rhea Pinto	SECMPNA	Google Meet	Participated	SFITTA
24	8-10-2021	Introduction To Iot	Rhea Pinto	SECMPNA	Google Meet	Participated	SFIT
25	18-9-2021	Unnati 2021 UI/UX design workshop	Damayanti Sanjay Patil	SECMPNA	zoom	Participated	IEEE-SFIT
26	18-8-2021	30 hr Java Workshop	Damayanti Sanjay Patil	SECMPNA	Microsoft teams	Participated	CSI-SFIT
27	4-9-2021	Postman API 101	Celine John Philip	SECMPNA	Zoom	Participated	CSI-SFIT
28	04-09-2021	Postman API 101	Chryselle Marina Barreto	SECMPNA	Zoom	Participated	CSI-SFIT
29	18-8-21	30 hr Java Workshop	Ashwin Pillai	SECMPNA	Microsoft teams	Participated	SFIT
30	25-9-21	web scrapping 101	Ashwin Pillai	SE CMPN A	Google meet	Participated	Codex-SFIT
31	19-09-21	UI/UX design	Vendrell Mendonca	SECMPNA	Zoom	Participated	IEEE-SFIT

		workshop					
32	12-09-21	App Development Using Flutter	Vendrell Mendonca	SECMPNA	Zoom	Participated	IEEE-SFIT
33	26-09-21	Computer vision workshop	Vendrell Mendonca	SECMPNA	Zoom	Participated	IEEE-SFIT
34	18-08-21	Programming Skills Workshop 2021 - Transition from C to Java	Vendrell Mendonca	SECMPNA	Google meet	Participated	SFIT
35	25-09-21	Web Wrapping 101	Vendrell Mendonca	SECMPNA	Google meet	Participated	
36	18-8-21	30 hr Java workshop	Lipika Parui	SECMPNA	Microsoft teams	Participated	SFIT
37	18-9-21	IEEE career lab satellite seminar	Lipika Parui	SECMPNA	Zoom	Participated	IEEE SFIT
38	18-9-21	UI/UX design workshop	Lipika Parui	SECMPNA	Zoom	Participated	IEEE-SFIT
39	28-8-21	Postman API 101	Lipika Parui	SECMPNA	Zoom	Participated	CSI-SFIT
40	24-10-21	Data Science Workshop	Lipika Parui	SECMPNA	Zoom	Participated	SFIT
41	2nd September, 2021	Cyber Security	Priyanka Kambli	SE CMPN B	Online	Participated	ITSA
42	22nd September, 2021	Mental Health Awareness	Priyanka Kambli	SE CMPN B	Online	Participated	ITSA
43	18th September, 2021	Nurture your psyche	Priyanka Kambli	SE CMPN B	Online	Participated	ISTE
44	18th, August 2021	30hrs C to Java	Priyanka Kambli	SE CMPN B	Online	Participated	SFIT
45	2nd October, 2021	After the Storm	Priyanka Kambli	SE CMPN B	Online	Participated	TEDXSFIT
46	9th October, 2021	Man and Machine	Priyanka Kambli	SE CMPN B	Online	Participated	SFITTA
47	1st October, 2021	Milestone to Project Management	Priyanka Kambli	SE CMPN B	Online	Participated	SFITTA
48	22nd Sept 2021	Mental Health Awareness	Siddesh Mishra	SE CMPN B	Google Meet	Participated	ITSA
49	2nd and 10th Oct	After the Strom	Siddesh Mishra	SE CMPN B	Zoom	Participated	TEDxSFIT



	2021						
50	18 to 22 August 2021	30 hrs C to Java workshop	Siddesh Mishra	SE CMPN B	Microsoft Team	Participated	SFIT
51	22/09/2021	Mental Health Awareness	Siya M. Khamkar	SECMPNB	Google Meet	Participated	ITSA
52	18/09/2021	Nuture your psyche	Siya M. Khamkar	SECMPNB	Google Meet	Participated	ISTE
53	2/10/2021	After the Storm Day 1	Siya M. Khamkar	SECMPNB	Zoom	Participated	TEDxSFIT
54	10/10/2021	After the Storm Day 2	Siya M. Khamkar	SECMPNB	Zoom	Participated	TEDXSFIT
55	9/10/2021	Roadmap to CP and DSA	Siya M. Khamkar	SEMCPNB	Teams	Participated	CODEX
56	10/10/2021	Profile building and career building for students by Career labs	Siya M. Khamkar	SECMPNB	Zoom	Participated	CODEX and IEEE SFIT
57	25/09/2021	Web Scrapping	Siya M. Khamkar	SECMPNB	Google Meet	Participated	CODEX
58	25/09/2021	LinkedIn: The world of professional networking	Siya M. Khamkar	SECMPNB	Google Meet	Participated	SFITAA
59	09/10/2021	Man and Machine	Siya M. Khamkar	SECMPNB	Google Meet	Participated	SFITAA
60	01/10/2021	Milestone of Project Management	Siya M. Khamkar	SECMPNB	Google Meet	Participated	SFITAA
61	28/08/2021	Startup Saturday	Siya M. Khamkar	SECMPNB	Google Meet	Participated	ECell SFIT
62	18/08/21	30hrs c to java workshop	Nisha Bhardwaj	SECMPNB	Microsoft Team	Participated	SFIT
63	25/09/21	Mental health Awareness	Nisha Bhardwaj	SECMPNB	Google Meet	Participated	ITSA
64	02/10/21	After the storm Day 1	Nisha Bhardwaj	SECMPNB	Google Meet	Participated	TEDXSFIT
65	10/02/2021	After the storm Day 2	Nisha Bhardwaj	SECMPNB	Google Meet	participated	TEDXSFIT
66	09/10/21	Man and machine	Nisha Bhardwaj	SECMPNB	Google Meet	Participated	SFITAA
67	18-Aug-2021	DD Robocon 2021	Alvin Alexander Solomon	TE CMPN B	Online	Participated	IIT Delhi, Doordarshan, TeamRAW SFIT
68	25-Sept-2021	Web Scrapping 101	Alvin Alexander Solomon	TE CMPN B	Online	Participated	CodeX SFIT

69	23-07-2021	AMU Battlegrounds	Anushree Poojary	TE CMPN B	Online	Participated	AMU-MLSA
70	14-08-2021	DevFest 2.0	Anushree Poojary	TE CMPN B	Online	Participated	DevSoc, Developers' Society, BITS Pilani, Goa
71	27-08-2021	Evathon	Anushree Poojary	TE CMPN B	Online	Finalist	University of Limerick ,Ireland
72	04-09-2021	HackJNU 2.0	Anushree Poojary	TE CMPN B	Online	3rd Prize	JNU, Delhi
73	18-09-2021	React project development Bootcamp	Anushree Poojary	TE CMPN B	Online	Participated	CSI KJSIEIT, Sion
74	25-09-2021	Web Scraping 101	Basil Koli	TE CMPN A	Online	Participated	CodeX-SFIT
75	25-09-2021	Web Scraping 101	Avnish Raut	TE CMPN B	Online	Participated	CodeX-SFIT
76	25-09-2021	Web Scraping 101	Vaishnavi Malgundkar	TE CMPN A	Online	Participated	CodeX-SFIT
77	25-09-2021	Web Scraping 101	Varun Changarankattil	TE CMPN A	Online	Participated	CodeX-SFIT
78	25-09-2021	Web Scraping 101	Medhashakti Khatri	TE CMPN A	Online	Participated	CodeX-SFIT
79	04-09-2020	Postman API 101	Medhashakti Khatri	TE CMPN A	Online	Participated	CSI-SFIT
80	12-09-2021	App development using flutter	Admon Aloz	TE CMPN A	Online	Participated	IEEE SFIT
81	25-09-2021	Web Scraping 101		TE CMPN B	Online	Participated	CodeX-SFIT
82	04-09-2021	Postman API 101	Prajwal Bawankule	TE CMPN A	Online	Participated	CSI-SFIT
83	25-09-2021	Web Scraping 101	Prajwal Bawankule	TE CMPN A	Online	Participated	CodeX-SFIT
84	12-09-2021	App development using flutter	Prajwal Bawankule	TE CMPN A	Online	Participated	IEEE SFIT
85	25-09-2021	Web Scraping 101	Janice Johnson Chakalakal	TE CMPN A	Online	Participated	CodeX- SFIT
86	28-08-2021	Web Development	Janice Johnson Chakalakal	TE CMPN A	Online	Participated	ITSA-SFIT
87	19-09-2021	UI/UX Designing	Janice Johnson Chakalakal	TE CMPN A	Online	Participated	IEEE SFIT
88	25-09-2021	Web Scraping 101	Alaster Cheeramkuzhyil	TE CMPN A	Online	Participated	Codex- SFIT
89	28-08-2021	Web Development	Alaster Cheeramkuzhyil	TE CMPN A	Online	Participated	ITSA-SFIT
90	25/09/2021	Web	Anosh	TE CMPN	Online	Participated	CODEX-

		Scraping 101 Workshop	Nagarkar	A			SFIT
91	04/09/2021	Postman API 101 Workshop	Anosh Nagarkar	TE CMPN A	Online	Participated	CSI-SFIT
92	12/09/2021	App Development using Flutter	Anosh Nagarkar	TE CMPN A	Online	Participated	IEEE SFIT
93	19/09/2021	UI/UX Designing	Anosh Nagarkar	TE CMPN A	Online	Participated	IEEE SFIT
94	14/12/2021	Python Bootcamp 2021	Anosh Nagarkar	TE CMPN A	Online	Completed	UDEMY
95	28-06-2021 to 02-07-2021	DevOps Workshop	Sara A.M. Shaikh	TE CMPN B	Online(Microsoft Teams)	Participated	SDC SFIT
96	06-07-2021	NPTEL / SWAYAM Certification Courses for Engineering Students	Sara A.M. Shaikh	TE CMPN B	Online(Zoom)	Participated	NDLI SFIT
97	04-09-2021	Postman API 101 Workshop	Sara A.M. Shaikh	TE CMPN B	Online(Zoom)	Participated	CSI SFIT
98	12-09-2021	App Development Using Flutter Workshop	Sara A.M. Shaikh	TE CMPN B	Online(Zoom)	Participated	IEEE - SFIT SB x IEEE APSIT SB
99	18-09-2021	UI/UX Workshop	Sara A.M. Shaikh	TE CMPN B	Online(Zoom)	Participated	E-CELL SFIT
100	19-09-2021	UI/UX Designing Workshop	Sara A.M. Shaikh	TE CMPN B	Online(Zoom)	Participated	IEEE - SFIT SB x IEEE APSIT SB
101	13-12-2021 to 17-12-2021	Mobile Application Development Workshop	Sara A.M. Shaikh	TE CMPN B	Online(Microsoft Teams)	Participated	SDC SFIT
102	28-06-2021 to 02-07-2021	DevOps Workshop	Somnath Pratik	TE CMPN B	Online(Microsoft Teams)	Participated	SDC SFIT
103	28-06-2021 to 02-07-2021	Devops Workshop	Avnish Raut	TE CMPNB	Online(Microsoft Teams)	Participated	SDC SFIT
104	25-09-2021	Web Scraping	Avnish Raut	TE CMPNB	Online(Google Meet)	Participated	Codex Sfit
105	04-09-2021	Postman API 101 Workshop	Avnish Raut	TE CMPNB	Online(zoom)	Participated	CSI SFIT
106	18-Aug-2021	DD Robocon 2021	Alvin Alexander Solomon	TE CMPN B	Online	Participated	IIT Delhi, Doordarshan, TeamRAW SFIT
107	25-Sept-	Web	Alvin	TE CMPN	Online	Participated	CodeX SFIT

7	2021	Scraping 101	Alexander Solomon	B			
108	06-Dec-2021	Python Data Structures	Alvin Alexander Solomon	TE CMPN B	Online	Participated	Coursera
109	9-10-2021	Software Testing in industry and Opportunities in Software Testing	Manjot Kaur Sokhi	TE CMPN B	Online	Participated	SFIT CMPN Department
110	19-06-2021	Hackbout 2.0	Anushree Poojary	TE CMPN B	Online (Discord)	5th Prize	HackClub NMIT, Bangalore
111	23-07-2021	AMU Battlegrounds	Anushree Poojary	TE CMPN B	Online (Teams)	Participated	AMU-MLSA
112	14-08-2021	DevFest 2.0	Anushree Poojary	TE CMPN B	Online	Participated	DevSoc, Developers' Society, BITS Pilani, Goa
113	27-08-2021	Evathon	Anushree Poojary	TE CMPN B	Online (Teams)	Finalist	University of Limerick, Ireland
114	04-09-2021	HackJNU 2.0	Anushree Poojary	TE CMPN B	Online (Google Meet)	3rd Prize	JNU, Delhi
115	18-09-2021	React project development Bootcamp	Anushree Poojary	TE CMPN B	Online (Zoom)	Participated	CSI KJSIEIT, Sion
116	28-06-2021 to 02-07-2021	Devops Workshop	Rohan Tondlekar	TE CMPN B	Online(Microsoft Teams)	Participated	SDC SFIT
117	25-09-2021	Web Scraping	Rohan Tondlekar	TE CMPN B	Online(Google Meet)	Participated	Codex Sfit
118	13-12-2021	Mobile application Development Workshop	Rohan Tondlekar	TE CMPN B	Online(Microsoft Teams)	Participated	SDC SFIT
119	13-12-2021	Mobile application Development Workshop	Dharmit Shah	TE CMPN B	Online(Microsoft Teams)	Participated	SDC SFIT
120	28-06-2021 to 02-07-2021	DevOps Workshop	Domingos Julio Pinto	TE CMPN B	Online(Microsoft Teams)	Participated	SDC SFIT
121	25-09-2021	Web Scraping	Domingos Julio Pinto	TE CMPN B	Online(Google Meet)	Participated	Codex Sfit
122	18-09-2021	UI/UX Workshop	Domingos Julio Pinto	TE CMPN B	Online(Zoom)	Participated	E-CELL SFIT
123	19-09-2021	UI/UX Designing Workshop	Domingos Julio Pinto	TE CMPN B	Online(Zoom)	Participated	IEEE - SFIT SB x IEEE APSIT SB
124	13-12-2021	Mobile	Domingos Julio	TE CMPN	Online(Microsoft	Participated	SDC SFIT

4	to 17-12-2021	application Development Workshop	Pinto	B	t Teams)		
125	26-06-2021 to 02-07-2021	Dev-Ops Workshop	Yogesh Singh Nayal	TE CMPN B	Online (Microsoft Teams)	Participated	SDC SFIT
126	26-06-2021 to 02-07-2021	Dev-Ops Workshop	Harshit Shetty	TE CMPN B	Online (Microsoft Teams)	Participated	SDC SFIT
127	26/09/2021	Integrate with Machine Learning APIs	Bhoomika Mewada	BE CMPN A	Online	Participated	Google-Qwicklabs
128	21/09/2021	Explore Machine Learning Models with Explainable AI	Bhoomika Mewada	BE CMPN A	Online	Participated	Google-Qwicklabs
129	10/09/2021	Baseline: Data, ML, AI	Bhoomika Mewada	BE CMPN A	Online	Participated	Google-Qwicklabs

### EXTRA-CURRICULAR ACTIVITIES

Sr. No.	Date	Student's Name	Event Name	Class / Sem / Div	Participated / Conducted / Participated	College /venue
1	2th August,2021	Priyanka Kambli	YuWaah Warriors Pledge	SE CMPN B	Participated	SFIT
2	11th August,2021	Priyanka Kambli	Rashtragaan	SE CMPN B	Participated	Ministry of culture Government of India
3	12th August,2021	Priyanka Kambli	NSS Atharva	SE CMPN B	Participated	Atharva
4	12th August,2021	Priyanka Kambli	Save the SIGHT	SE CMPN B	Participated	Atharva
5	12/08/2021	Siya M. Khamkar	Save the SIGHT	SECMPNB	Participated	Atharva
6	12/08/2021	Siya M. Khamkar	Rashtragaan	SECMPNB	Participated	Ministry of culture Government of India
7	02/08/2021	Siya M. Khamkar	Young Warriors pledge	SECMPNB	Participated	Ministry of youth affairs and sports Government of India
8	13/08/2021	Siya M. Khamkar	Youth Day Group discussion	SECMPNB	Participated	NSS SFIT
9	13th August, 2021	Priyanka Kambli	Youth Day Group discussion	SECMPNB	Participated	NSS SFIT
10	12/08/2021	Siddesh Mishra	Rashtragaan	SECMPN B	Participated	Ministry of culture Government of India
11	2/8/2021	Siddesh	Young Warriors	SECMPN B	Participated	Ministry of youth

		Mishra	Pledge			affairs and sports Government of India
12	26/09/2021	Siddesh Mishra	Cardiac Arrest Resuscitation online workshop	SECMPN B	Participated	NSS Thadomal Sahani
13	20/09/2021 to 25/09/2021	Siddesh Mishra	One week online workshop on Java and Android	SECMPN B	Participated	AISSMS Institute Of Information Technology,Pune
14	02/08/2021	Nisha Bhardwaj	Young warriors pledge	SECMPNB	Participated	Ministry of youth affairs and sports Government of India
15	11/08/2021	Nisha Bhardwaj	Rashtragaan	SECMPNB	Participated	Ministry of culture Government of India
16	12/08/2021	Nisha Bhardwaj	Save the SIght	SECMPNB	Participated	NSS ATHARVA
17	13/08/2021	Nisha Bhardwaj	Youth Day Group discussion	SECMPNB	Participated	NSS SFIT
18	26/09/2021	Nisha Bhardwaj	Cardiac Arrest Resuscitation online workshop	SECMPNB	Participated	NSS TSEC

### STUDENTS PUBLICATIONS

Sr. No	Author's Name	Paper Title	Publication details	Date of publication	Class
1	Siddhant Mishra	Chess Moves Prediction using Deep Learning Neural Networks	Conference: 10th International Conference on Advances in Computing and Communications, Publication: IEEE Xplore	21-23rd October 2021 (Presentation)	BE CMPN B
2	Siddhant Mishra	Digital Solution to Combat Bribery and Justice Restoration System	Conference: 5th International Conference on Information System and Computer Networks, Publication: IEEE Xplore	22-23rd October 2021 (Presentation)	BE CMPN B
3	Swapnil Verlekar	Water Scarcity Predictor and Supply Scheduling	<i>"International Research Journal of Engineering and Technology (IRJET),e- ISSN: 2395-0056,Volume: 08 Issue: 08  </i>	August 2021	BE CMPN
4	Alisha Shah				
5	Daniel Lobo	Emotionally relevant background music generation for audiobooks	<i>IEEE International Conference on Artificial Intelligence &amp; Machine Vision, PDEU, Gandhinagar, Gujarat,</i>	Sept 2021	BE CMPN
6	Jenny Dcruz				
8	Leander Fernandes				
8	Smita Deulkar				
9	Prishita K	A CNN-RNN based approach for Simultaneous	<i>International Conference on Communication information and Computing Technology</i>	August 2021	BE CMPN
10	Jesdin R				

11	Prajwal K	Detection, Identification and Classification of Intracranial Hemorrhage	(ICCICT)(ICCICT)		
12	Ian D				
13	Cletus Dsouza,	Securing folder directory using image encryption by Chaos and Rijndael Algorithm	<i>International Conference on Communication information and Computing Technology</i> (ICCICT)(ICCICT)	August 2021	BE CMPN
14	Ritika Bhole	Data Transfer Between Cloud Management System in Serverless Paradigm"	<i>4th IEEE International Conference on Computing and Communication Technologies, Dec 2021</i>	Dec 2021	BE CMPN
15	Sahil Nirkhe				
16	Manas Acharya				
17	Sanket Dalvi				

### LIST OF STUDENTS WHO COMPLETED INTERNSHIPS

Sr. No.	Student's Name	Class / Sem / Div	Industry Worked with	Start date	End Date	Duration (weeks/ months)	Status (Ongoing / Completed)
1	Alvin Alexander Solomon	TE CMPN B	Kaboodle Innovations	01-Aug-2021	04-Nov-2021	3 Months	Ongoing
2	Orvil D'silva	TE CMPN A	EQlibria	15-June-2021	15-Sept-2021	4 months	Completed
3	Prajwal Bawankule	TE CMPN A	MicroCurve Consulting	24/06/2021	24/07/2021	1 month	Completed
4	Prajwal Bawankule	TE CMPN A	KubixSquare	12/08/2021	12/10/2021	2 months	Completed
5	Medhshakti Khatri	TE CMPN A	KubixSquare	12/08/2021	12/10/2021	2 months	Completed
6	Leah Dsouza	TE CMPN A	KubixSquare	12/08/2021	12/10/2021	2 months	Completed
7	Shaun Figueiro	TE CMPN A	KubixSquare	12/08/2021	12/10/2021	2 months	Completed
8	Janice Johnson Chakalakal	TE CMPN A	KubixSquare	12/08/2021	12/10/2021	2 months	Completed
9	Rebecca Aurelia Dsouza	TE CMPN A	KubixSquare	12/08/2021	12/10/2021	2 months	Completed
10	Alvin Alexander Solomon	TE CMPN B	Kaboodle Innovations	01-Aug-2021	04-Mar-2022	7 Months	Ongoing
11	Alvin Alexander Solomon	TE CMPN B	Calibrant Classes	01-07-2021			Ongoing
12	Manjot Kaur Sokhi	TE CMPN B	KubixSquare	15-07-2021	15-09-2021	2 months	Completed
13	Rohan Tondlekar	TE CMPN B	KubixSquare	15-07-2021	15-09-2021	2 months	Completed

14	Vandan Raut	TE CMPN B	Statistic.Int Enducare	11-8-2021	4-11-2021	4 months	Completed
15	Avnish Raut	TE CMPN B	Frontend Developer - KubixSquare	15-07-2021	15-09-2021	2 months	Completed
16	Domingos Julio Pinto	TE CMPN B	HR - Exposys Data Labs	16-9-2021	15-10-2021	1 Month	Completed
17	Swastik Prakash Sawant	TE CMPN B	Web Developer - Exposys Data Labs	17-12-2021	16-01-2022	1 Month	Completed
18	Sara A.M. Shaikh	TE CMPN B	Subject Matter Expert (SME) at Digituala Lab Enterprise LLP	09-08-2021	09-11-2021	3 Months	Completed
19	Sara A.M. Shaikh	TE CMPN B	Fundraiser Intern at Victor Welfare Association	08-12-2021	08-01-2022	1 Month	Completed
20	Sara A.M. Shaikh	TE CMPN B	HR Intern at Jankalyan Multipurpose Education Society	09-12-2021	15-12-2021	1 Week	Completed
21	Yogesh Singh Nayal	TE CMPN B	Machine Learning Intern at Groom	28-08-2021	28-10-2021	2 Month	Completed
22	Lester Gregory Rodrigues	TE CMPN B	AI ML Developer- KubixSquare	15-07-2021	15-09-2021	2 months	Completed
23	Rohan Tondlekar	TE CMPN B	Calibrant Classes	01-07-2021			Ongoing
24	Jaimin Solanki	TE CMPN B	Calibrant Classes	01-07-2021			Ongoing
25	Manjot Kaur Sokhi	TE CMPN B	KubixSquare	15-08-2021	15-10-2021	2 months	Completed
26	Darren Felix Noronha	BE CMPN A	AI/ML	Aug 2, 2021	Ongoing	2 Months	Ongoing
27	Darren Felix Noronha	BE CMPN A	Web Development	May 2, 2021	July 2, 2021	2 Months	Completed
28	Shardul Shroff	BE CMPN B	KubixSquare	12 August 2021	12 October 2021	2 months	Completed
29	Vishakha Mistry	BE CMPN B	KubixSquare	20 July 2021		2 months	
30	Kartik Parekh	BECMPNB	3 folks media	14 July 2020		Till graduation	ongoing
31	Ripson Pereira	BE CMPN B	KubixSquare	7/15/2021		2 Months	ongoing
32	Precious Rodrigues	BE CMPN B	Vistaar Digital Pvt. Ltd.	June 2021		5 months	Ongoing
33	Siddhant Mishra	BE CMPN B	VDoIT Technologies Pvt. Ltd.	October 2021	November 2021	1 month	Completed



34	Kate Rebello	BE CMPNB	KubixSquare	July 2021	Sept 2021	2month	Completed
35	Kate Rebello	BE CMPN B	A2d Innovations Pvt Ltd.	August 2021		1 year	Ongoing
36	Clare Rebello	BE CMPNB	KubixSquare	July 2021	Sept 2021	2month	Completed
37	Clare Rebello	BE CMPN B	A2d Innovations Pvt Ltd.	August 2021		1 year	Ongoing
38	Shravani Dhuri	BE CMPNB	KubixSquare	July 2021	Sept 2021	2month	Completed
39	Sharavni Dhuri	BE CMPN B	A2d Innovations Pvt Ltd.	August 2021		1 year	Ongoing

## DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS

### Workshop/Seminar/Conference Attended

Sr. No.	Name of the Faculty	Title of Workshop/Seminar/Conference	Organizing Body
1	Ms Savita Kulkarni	2 days Online National Workshop on “Big Data Analytics” on December 6-7, 2021.	organized by the Department of Computer Science and Engineering of Sardar Vallabhbhai National Institute of Technology, Surat
2	Ms. Shilpa Chaman	MISP 2021 India, Springer book series Lecture Notes in Electrical Engineering (LNEE), September 23-25	organised by NIT Arunachal Pradesh
3	Mr. Ramjee Yadav	AICTE Incorporating Universal Human Values in Education	AICTE

### Faculty Publications (July-December 2021)

Sr. No	Author's Name	Paper Title	Publication details
1	Ms. Shilpa Chaman	Revolutions in Infant fingerprint Recognition-A Survey"	MISP 2021 India, Springer book series Lecture Notes in Electrical Engineering (LNEE), September 23-25, organised by NIT Arunachal Pradesh
2	Amol Patil & Gautam Shah	Discrete Time Consensus Algorithm in Multi Agent System	2021 Seventh Indian Control Conference (ICC) IIT Mumbai, India. December 20-22, 2021

### Invited talks (July-December 2021)

Sr. No.	Name of the Faculty	Title of Workshop/Seminar/Conference	Organizing Body
1	Ms Savita Kulkarni	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	Skill development Cell, SFIT
3	Ms. Jovita Serrao	30Hrs VAC on Bridging the Gap in Embedded Systems	Skill development Cell, SFIT
4	Ms. Snehal Lopes	30Hrs VAC on Bridging the Gap in Embedded Systems	Skill development Cell, SFIT
5	Ms. Jovita Serrao	TEDxSFIT After the Storm	TEDxSFIT

## DEPARTMENT OF MECHANICAL ENGINEERING

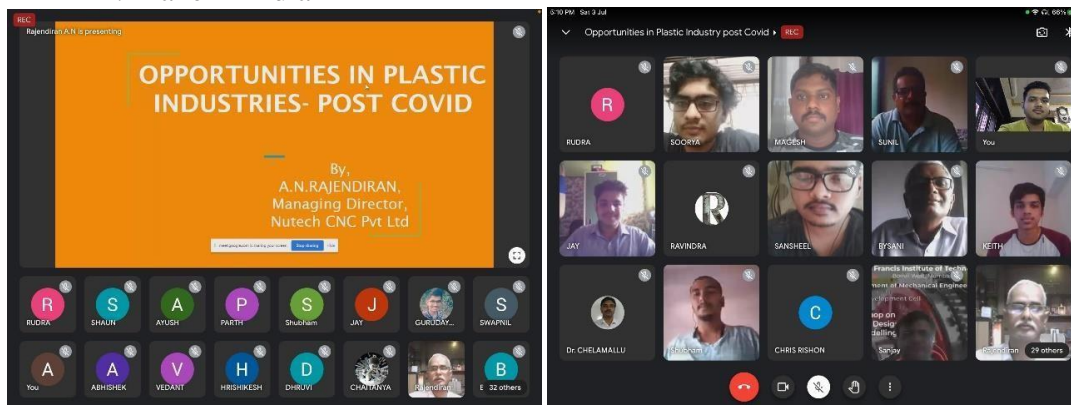
### Webinar on Opportunities in Plastic Industry Post Covid on 3<sup>rd</sup> July 2021

Resource Person: Mr. A.N. Rajendiran (Managing Director of Nutech CNC Pvt Ltd, Chennai)

No. of Registered Students: 56 (SE, TE, & BE Mech)

The following topics were covered during the session:

1. Present Challenges in the Plastic Industry
2. Is the future more plastic?
3. Plastics Over View
4. Plastics Global View
5. Role of single use plastic in fight against Covid - 19
6. Present possibilities of plastics in different fields.
7. Plastics in Covid - 19
8. Plastics in pharmaceutical Industry
9. Plastics in safety and hygiene – Covid 19
10. Plastics in agriculture – Covid 19
11. Innovation and New Products development
12. CIPET Contribution for the growth of plastics industry
13. MSME
14. Make in India



### BE Project Orientation on 4<sup>th</sup> August 2021

Resource Person: Dr. Ashish Chaudhari (Associate Professor and Dean Research at Vidyavardhini College of Engineering and Technology).

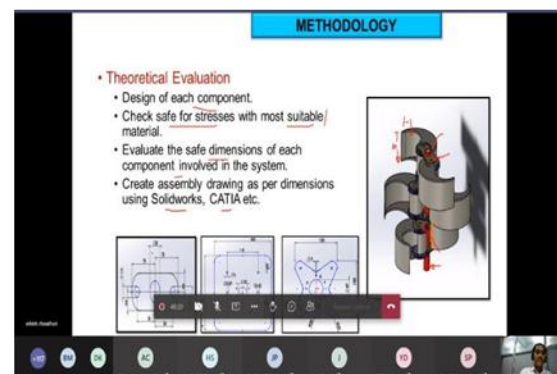
No. of Registered Students:142 (Mech TE BE)

The following topics were covered during the session:

The importance of initial survey.

1. How to define a problem?
2. The importance of a strong literature review.
3. Different ways to carry out the literature review.

4. The methodology to be adopted to take the project to completion.
5. The importance of designing a 3D model of the project.
6. Different ways to manufacture the model.
7. The various difficulties faced during manufacturing and how to overcome them.
8. The importance of setting up a timeline.



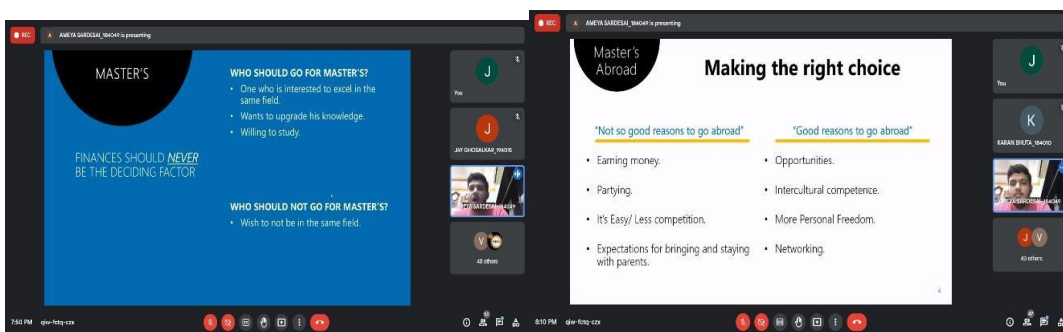
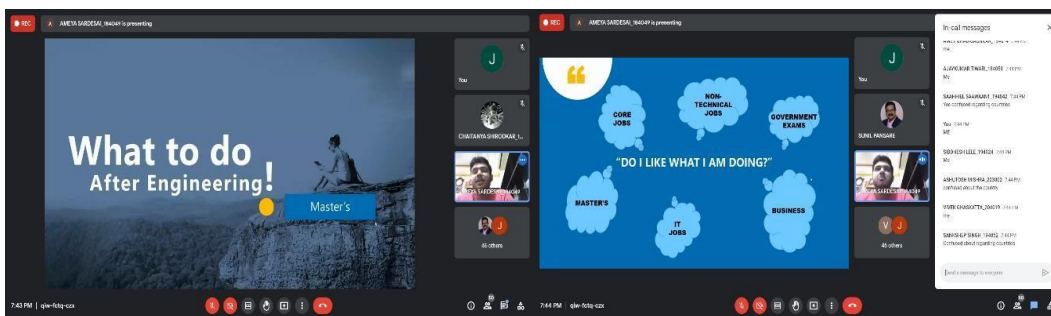
**Webinar on Exploring MS admission opportunities in German universities on 14<sup>th</sup> August 2021**

Resource Person: Ameya Sardesai (Studying in the final year of Mechanical Engineering at St. Francis Institute of Technology)

No. of Registered Students: 49 (Mech TE BE)

The following topics were covered during the session:

1. Next step after completing Engineering.
2. Who should and should not go for MS.
3. Reasons to do masters from abroad.
4. European lifestyle reality and language barrier.
5. Opportunities in Germany, US and Canada for the masters.
6. Where to find information on courses and requirements of German universities.
7. Documents required to apply for masters in Germany.
8. Where to apply for the master's degree in Germany.
9. Importance of networking, self-research, upgrading knowledge and proper organization were discussed.



## Workshop on LaTeX, A report writing tool on 18<sup>th</sup> September 2021

**ONE DAY ONLINE WORKSHOP ON LaTeX, A REPORT WRITING TOOL**

Outcome: All participants will be able to write a paper as well as a report using LaTeX.

Our Expert Speakers:

**MR. SANTOSH CHAPANERI**  
Assistant Professor, SFIT  
Electronics and Telecommunication Engineering

**MR. ANSARI VAQAR**  
Assistant Professor, SFIT  
Electronics and Telecommunication Engineering

**MS. DAKSHATA PANCHAL**  
Assistant Professor, SFIT  
Computer Engineering

For any queries contact:  
Adarsh Goyal - 9833200613  
Elden Leitao - 9307783532  
@gateesfit  
in gateesfit

**18 SEPTEMBER 2021**  
**10 AM - 5 PM**  
Registration Link:  
<https://forms.gle/bKgLIh13FYgUVcoz9>

Resource Person: Mr. Santosh Chapaneri, Dr. Vaqar Ansari and Ms. Dakshata Panchal

No. of Registered Students: 126 (TE/BE Mech)

Name of Coordinators: Mr. Yunus Dalal

A one day online workshop on LaTeX, a report writing tool was arranged on September 18, 2021 by Gatee SFIT. The workshop aimed to impart report writing skills on LaTeX for students of SE, TE and BE for their Mini projects and Final year projects.

Due to Covid situation, the course was arranged on Microsoft teams. The number of students registered for the course was initially 133 and after considering the attendance and quiz test criteria a total of 83 students were awarded the certificates.

Since it wasn't a hand on workshop, students were facing difficulties in executing the code. At the end of session, students proposed that such sessions with hand on training should be arranged in the near future.

## Workshop on Finite Element Analysis using Solidworks on 9<sup>th</sup> October 2021

No. of Registered Students: 45 (SE/TE/BE Mech)

Name of Coordinator: Mr. Magesh Nadar

Resource Persons: Mr. Siddhesh Lele, Ms. Prapti Salaskar and Mr. Savio Pulkotil

Team Tejas of St. Francis Institute of Technology conducted their workshop on Finite Element Analysis using SolidWorks on 9<sup>th</sup> October 2021, on the online meeting platform of Google Meet.

The workshop was organized by the team for Fourth, Third- and Second-year students of the Mechanical Department. The resource persons of the workshop were Mr.

Siddhesh Lele, Captain of the team, Ms. Prapti Salaskar, the head of the Design department and Mr. Savio Pulkotil from the design department, all belonging to TE mechanical.

The speakers addressed a crowd of 40-45 people. The workshop was divided into 4 sessions with 2 sub sessions, 30 mins each. These sessions were all followed by a short break along with the attendance being taken during this span as well.



## Project I Poster Competition on 1<sup>st</sup> November 2021

No. of Students: 66

Name of Coordinator: Mr. Yunus Dalal

Department of Mechanical Engineering organized an online poster competition for final year mechanical engineering students. The students were evaluated based on the problem statement, proposed solution, methodology, percentage of work completed 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.



## **Competition- Mini Project 2A Poster Competition on 9<sup>th</sup> November 2021**

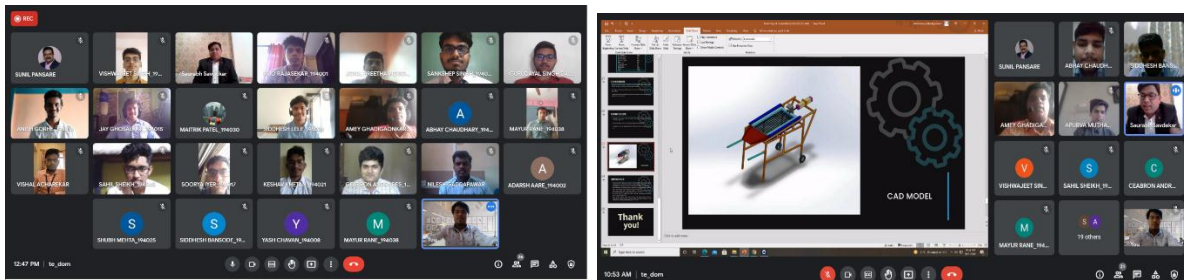
No. of Registered Students: 72

Name of Coordinator: Mr. Magesh Nadar

Resource Persons: Mr. Saurabh Savdekar, Mr. Swapnil Thakur and Mr. Karan Talgaonkar

Department of Mechanical Engineering organized an online poster competition for third year mechanical engineering students. The students were evaluated based on the problem statement, proposed solution, methodology, percentage of work completed and presentation skills.

We have invited experts from industries to evaluate our students and based on their grades and suggestions 4 groups were shortlisted and awarded with certificates.



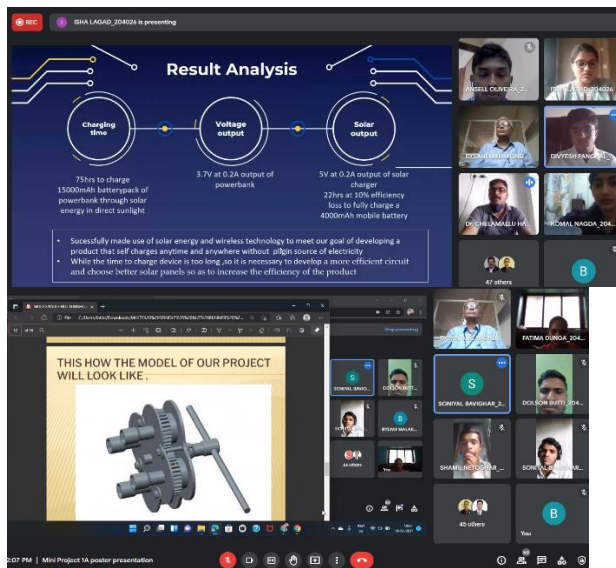
## **Competition- Mini Project 1A Poster Competition on 16<sup>th</sup> December 2021**

No. of Students: 51

Name of Coordinators: Mr. Bysani Malakondaiah

Department of Mechanical Engineering organized an online poster competition for second year mechanical engineering students. The students were evaluated based on the problem statement, proposed solution, methodology, percentage of work completed 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.



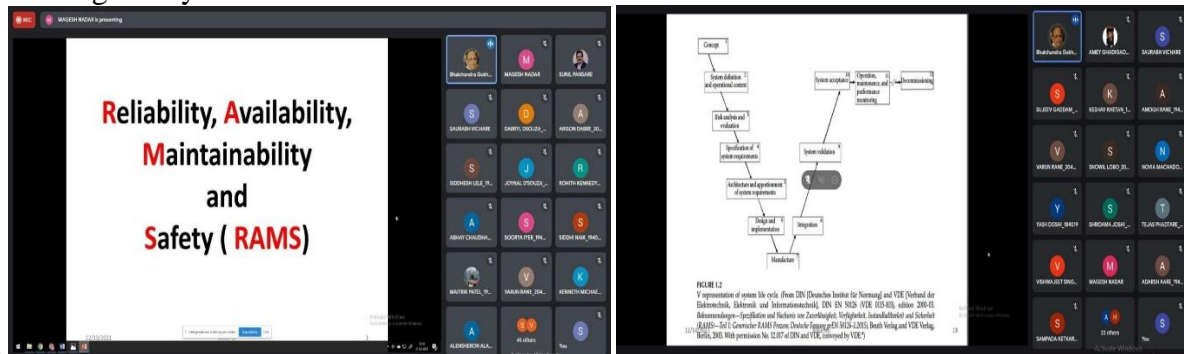
## VAC- Reliability, Availability, Maintainability and Safety on 13 – 17 December 2021

No. of Registered Students: 85 (TE/BE Mech)

Name of Coordinators: Mr. Magesh Nadar, Mr. Saurabh Vichare

Resource Person: Mr. Bhalchandra Gokhale

The aim of the value added course on Reliability, Availability, Maintainability and Safety was to create awareness in students towards using RAMS as a decision-making tool for improving the system's availability and thereby increasing the total profit while lowering life cycle costs.



## A. Teaching Faculty achievements

### 1. Courses Completed

Name of Faculty	Course Title	Duration	Organized by
Mr. Yunus Dalal	Training on Ansys Workbench	8 weeks	Internshala
Mr. Yunus Dalal	Training on Internship & Job Preparation	4 weeks	Internshala



Mr. Sanjay Ghaskatta	Rapid Manufacturing	12 Weeks	NPTEL IIT, Kanpur
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## **2. Faculty Development Programme (FDP)/Workshop Attended**

Name of Faculty	Course Title	Duration	Organized by
Mr. Sunil R Pansare	Damage Tolerance: A New Design Strategy	5 Days	VJTI, Mumbai (ATAL)
Mr. Ravindra Garmode	Advanced Engineering Optimization Through Intelligent Techniques	5 Days	SVNIT
Mr. Yunus Dalal	Modelling & Simulation in MATLAB for Mechanical Engineering	5 days	Rungta College of Engineering & Technology
Mr. Yunus Dalal	Bio waste to Bioenergy: A Future Sustainable Energy Source	5 days	Motilal Nehru National Institute of Technology (MNNIT)
Mr. Yunus Dalal	Recent Advances and Applications of Internet of Things in Renewable Energy Technologies	6 days	M.H.Saboo Siddik Polytechnic
Dr. Hariprasad Chelamallu	Disaster Risk Management	6 days	Anna University, Chennai
Mr. Magesh Nadar	3D Printing & Design	5 Days	Sardar Patel College of Engineering
Mr. Saurabh Vichare	3D Printing & Design	5 Days	Sardar Patel College of Engineering
Mr. Sanjay Ghaskatta	Faculty Induction Programme	4 days	SFIT
Mr. Sanjay Ghaskatta	Introductory course on FEAST-Indigenous Finite Element Analysis of Structures	2 days	SVR InfoTech, Pune
Mr. Bysani Malakondaiah	Recent Advancement in Nano material and Green technology for Sustainable Engineering	3 days	RGIT

## **B. Student achievements**

### **1. Internship Completed**

Name of Student	Organization	Class	Date	Specialization
Vedika Manelkar	Tata Advanced Systems Limited	BE	July 12,2021	Design and modelling
Jay Raut	-	TE	September 26,2021	Design and development of go karts
Saahiel Saawaant	ISNEE Motorsports	TE	September 26, 2021	Design and development of go karts
Aditya Kanse	ISNEE Motorsports	TE	September 26, 21	Design and development of go karts

Gaurav Sharma	ISNEE Motorsports	TE	September 26	Design and development of go karts
Prathamesh Kadam	ISNEE Motorsports	SE	September 4,2021	Detailed workshop on go karts
Omkar Parab	Omax Elevators (India) Pvt. Ltd.	TE	6th Dec 2021	Manufacturing Process of Elevators
Ankit Sharma	Comfort Design	TE	27th Dec 2021	HVAC winter internship
Morgan Crijos Colaco	Carvalho Engineering Works	BE	2nd Dec 2021	Manufacturing of Capsule Holder Plate
Aarnav Crusoe	DRDO CABS	TE	6th Dec 2021	System Testing and Integration Rig [CABS DRDO]
Tapaswi More	Onefit Projects	BE	5th Dec 2021	Cryogenic pressure vessel Design
Dev Surve	Verzeo EduTech	TE	1st October, 2021	Car design - automotive alias

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

<b>Name of Student</b>	<b>Organization</b>	<b>Class</b>	<b>Date</b>	<b>Specialization</b>
Craig Carvalho	Prof. Ameya N. and Prof.Binsu Babu	BE	September 4,2021	Solidworks Tips and Tricks
Craig Carvalho	Engineering and CAD School	BE	August 10, 2021	Solidworks: Become a Certified Solidworks Associate
Craig Carvalho	saVree lite	BE	August 3,2021	Internal Combustion Engine Basics
Craig Carvalho	Mr.Apoorva Bapat	BE	July 1, 2021	Elevation's Ansys Basic to Professional Training Program
Ameya Sardesai	Mr. Mukesh Muraleedharan	BE	August 10, 2021	Pressure Vessel Fabrication-Mechanical Engineering, Oil & Gas
Ameya Sardesai	-	BE	August 01, 2021	Introduction to Digital Marketing
Jay Raut	TJ Walker	TE	July 20, 2021	The Complete Microsoft Word Course: Master Microsoft Word
Sansheel Bhostekar	saVree lite	BE	September 4, 2021	Internal Combustion Engine Basics
Hilton Dsouza	saVree lite	BE	September 4, 2021	Internal Combustion Engine Basics
Hilton Dsouza	-	BE	September 19, 2021	Internet of things
Hilton Dsouza	-	BE	August 16, 2021	Java Programming
Shridama	Mr. Mukesh	BE	August 19,2021	Pressure Vessel Fabrication-

Joshi	Muraleedharan			Mechanical Engineering, Oil & Gas
Shridama Joshi	saVree lite	BE	August 20,2021	Centrifugal Pump Basics (Mechanical Engineering & HVAC)
Swapnil Kashid	Harpreet Singh	BE	Aug 10, 2021	Mechanical Engineering - Machine Designing - 1
Morgan Crijos Colaco	-----	BE	June 2021	SOLIDWORKS Training
Isha Lagad	IIT Guwahati (NPTEL)	SE	July 2021	automation in manufacturing
Isha Lagad	IIT Kharagpur (NPTEL)	SE	July 2021	Robotics
Neil Khade	IIT Guwahati (NPTEL)	SE	July 2021	Solar Energy Engineering and Technology
Ankit Sharma	Autodesk	TE	9th Dec 2021	Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360
Yash Doshi	Mr. B. D. Gokhale	BE	13th Dec 2021	Workshop on Reliability, Availability, Maintainability and Safety
Dev Surve	Internshala	TE	15th December, 2021	SOLIDWORKS
Dev Surve	Coursera	TE	8th November,2021	Autodesk Fusion 360 Integrated CAD/CAM/CAE
Swaraj Khade				
Siddhi Naik	EliteTechno Group	TE	6th December	Nano degree Program : Aero Thermal

### C. Activities Conducted by Department

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

Sr. No.	Type of Activity	Name of Activity	Beneficiaries	Date
1.	Webinar	Opportunities in Plastic Industry Post Covid	SE and TE Students	July 3, 2021
2.	Orientation	BE Project Orientation	BE and TE Students	August 4, 2021
3.	Webinar	Exploring MS admission opportunities in German universities	BE and TE Students	August 14, 2021
4.	Workshop	LaTeX- A report writing tool	BE and TE Students	September 18, 2021
5.	Workshop	FEA using Solidworks	BE/TE/SE Students	October 9, 2021

6.	Competition	Project I Poster Competition	BE Students	November 1, 2021
7.	Competition	Mini-Project 2A Poster Competition	TE Students	November 9, 2021
8.	Competition	Mini-Project 1A Poster Competition	SE Students	December 16, 2021
9.	Value Added Course	Reliability, Availability, Maintainability and Safety	BE and TE Students	December 13, 2021-December 17, 2021
10.	Value Added Course	Finite Element Analysis using Ansys	BE/TE Students and Staff members	January 3, 2022-January 7, 2022
11.	STTP	Composite Materials	Faculty members of institute and other institutes	January 3, 2022-January 7, 2022

## DEPARTMENT OF ELECTRICAL ENGINEERING

### STUDENT ACTIVITIES

Workshops Conducted/Attended, Technical Events/Competition, Project Competition/Exhibition

Sr. No	Event Date	Title of Workshop/Event Name	Class/Sem/Div	Venue	No. of students attended the workshop	Conducted/Attended/Participated	Professional Body Associated
1	19 Dec 2021 to 23 Dec 2021	Deep Learning- Value added course	TE and BE Electrical	Google meet	51	attended	Electrical department,SFIT
2	9 Nov 2021	Energy Efficiency in Thermal Utilities - The Industrial Way	BE Electrical	Google meet	64	attended	Electrical department,SFIT

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

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	Ms. Misbah Khan	Power Electronic Systems and its Real Time Control Implementation in DSP	08th November 2021 to	5	AICTE Training and Learning (ATAL) Ac	Online
		Challenges in Evolving Power Systems	22nd November 2021 to	6		Online
2	Dr. Ragini Meshram	Real Time Simulations Applications in Cyber Security	13-17 Dec 2021	5	National Institute of Technical Teachers	Online

					Training And Research, Chandigarh	
3	Mr. Pratik Rahate	Power Electronic Systems and its Real Time Control Implementation in DSP	08th November 2021 to 12th November 2021	5	AICTE Training and Learning (ATAL) Academy	Online
4	Ms. Josna Jose	Power Electronic Systems and its Real Time Control Implementation in DSP	08th November 2021 to 12th November 2021	5	AICTE Training and Learning (ATAL) Academy	Online
		Fundamentals of Electric Vehicle Technology	06th Dec - 10th Dec 2021	5	AICTE Training and Learning (ATAL) Academy	Online

### Activities organised by department

Sr. No.	Name of the Workshop/Seminar/STTP	Date	No. of days	No. of participants	Resorce Person details	Venue Details
1	Energy Efficiency in Thermal Utilities - The Industrial Way	9 Nov 2021	1	68	Mr. Swapnil Lotake, BEE Certified Energy Auditor, Energy Engineer II, EcoMetric Consulting LLC, Pune, Maharashtra.	Google MEET
2	Deep Learning- Value added course	19 Dec 2021 to 23 Dec 2021	5	51	Dr. Ravi Kamble, Mr. Santosh Chapaneri, Ms. Nilima Zade, Dr. Adil Sheikh, Mr. Rupesh Mishra, Mr. Arbaz Khan, Mr. Gopal Chitalia	Google MEET

## **Seminar/Workshop/Lecture series conducted by department**

Sr. No.	Topic of seminar/workshop/ lecture series	Name of faculty	Duration with date
1	Blockchain application in Renewable Energy System	Dr. Adil Sheikh	21 Dec 2021 (2 hours)
2	Deep Learning Application in Electrical Engineering	Dr. Adil Sheikh	23 Dec 2021 (5 hours)
3	Reinforcement Learning for Control: Performance and stability	Dr. Ragini Meshram	30 October 2021(9.00am-11.00am)

## DEPARTMENT OF FIRST YEAR ENGINEERING

### Department of Basic Science and Humanities

#### FACULTY ACHIEVEMENTS

- Ms. Rebecca George qualified MH-SET - September 2021.
- Deepa Panakkal took a session titled 'Familiarization with IQAC' in the Faculty Induction Program 2021 organized for faculty of St. Francis Institute of Technology by Department of Basic Science and Humanities, SFIT, Borivli on 02 August 2021.
- Ms. Deepa Panakkal conducted a seminar on the topic, 'Nurture your Psyche: Define your Own Success' for engineering students in a webinar organized by Indian Society of Technical Education (ISTE) chapter of St. Francis Institute of Technology on 18 September 2021.
- Ms. Neha Agnihotri participated as a panelist in the Panel Discussion on "Mental Health of Students and its Awareness" organised by ITSA-SFIT on 25th September 2021.
- Ms. Neha Agnihotri conducted a seminar for SE students of IT department, SFIT on "Professional Ethics". on 16th October 2021.
- Mr. Praveen Mathew Kurien was invited for an expert session on "Soft Skills for Employability" organized by Bishop Moore College, Mavelikara, Kerala, via google meet on 11 September 2021 from 4pm - 6pm.

Sr. No.	Name of the Faculty	Title of the Workshop/Seminar/STTP	Date	No. of days	Professional Body Associated	Venue
1.	Ms. Rekha Ajikumar	Completion of the 1 year of Transformative reforms under NEP-2020	29 July 2021	1	AICTE	Online
2	Ms. Rekha Ajikumar	How to Conduct the AICTE Student Induction Program (SIP) 2021 (in ENGLISHI)	20 September 2021	1	AICTE	Online
3	Ms. Belinda Misquitta	How to Conduct the AICTE Student Induction Program (SIP) 2021 (in				



		HINDI)				
4	Ms Deepa Panakkal	How to Conduct the AICTE Student Induction Program (SIP) 2021 (in ENGLISHI)	20 September 2021	1	AICTE	Online
5	Ms Deepa Panakkal	professional development webinar on “Theatre in the English Language Classroom”	8 August 2021	1	English Language Teachers’ Association of India	Online
7	Ms.Arti Bhatnagar	How to Conduct the AICTE Student Induction Program (SIP) 2021 (in ENGLISHI)	20 September 2021	1	AICTE	Online
8	Dr. Harshada Jadhav	How to Conduct the AICTE Student Induction Program (SIP) 2021 (in ENGLISHI)	20 September 2021	1	AICTE	Online
9	Dr. Harshada Jadhav	Webinar on Municipal solid waste management	18th November 2021	1	Lokmanya Tilak College of Engineering, Koparkhairane, Navi Mumbai	Online
10	Dr Poonam Hemnani	Webinar on Material science for preset & Future Technology	9 September,2021	1	AICTE	Online
11	Ms. Rebecca George	Faculty Development Program at SFIT	July 2021	5	SFIT	Online
12	Ms. Rebecca George	Faculty Development Program on 'Inculcating Universal Human Values in Technical Education'	6th - 10th December 2021	5	AICTE	Online
13	Ms. Rebecca George	Coursera Course - Career planning: resume/CV, cover letter, interview.	4th - 14th January 2022	10	Coursera	Online

## **Faculty Induction Programme 2021**

The three-day online Faculty Induction Programme 2021 was aimed at training the new faculty to enhance their teaching learning process. It was focused on three major aspects: familiarization with the institution and its important processes, learning how to motivate students, and enhancing teaching skills to become an inspiring teacher.

A myriad of sessions were conducted over three days to help the new faculty members to learn the mechanisms of online as well as classroom teaching. They also learned several self-assessment techniques, concepts of programme and course outcomes, etc.

### **Day 1:**

The FIP 2021 began on 31 July 2021 Saturday, 10 am with the Inaugural function where Director Bro Jose Thuruthiyil and our Principal Dr. Sincy George addressed the audience. A motivational and informative session was then conducted by the Chief Guest, Dr. Baylon Fernandes, on “Higher Engineering Education-A Teacher’s Perspective”, where he highlighted the role of a teacher in today’s changing classroom education.

The second session of the day was on “Pre –microteaching” conducted by Ms. Preethi Colaco where the participants were familiarised with the methods and skills of teaching effectively.

The third session was on “Adolescence psychology” by our counsellor Dr. Merle Coutinho wherein the teachers were guided to be a good facilitator-cum-mentor.

The first day ended with a session on “ISO awareness” conducted by Mr. Francis D’souza. The session included the Institute’s Vision and Mission, Governance, Statutory & Regulatory bodies requirements needed for ISO 9001-2015 certification along with an explanation of quality policy.

### **Day 2:**

The first session was on “Real mechanics of classroom teaching & different platforms for online teaching” by Dr. Nitika Rai where the participants were guided about the planning of sessions and making time for active learning. Essential steps for outcome-based education and different tools and techniques for online teaching were also discussed.

The second session was on “Self- assessment techniques and 360-degree feedback” by Dr. Joanne Gomes in which the objectives of 360-degree feedback and its benefits were highlighted. The participants were also familiarized with the various feedback parameters.

The third session was on “Familiarization with IQAC” by Ms. Deepa Panakkal where the role and purpose of Internal Quality Assurance Cell were explained providing a broader perspective on various initiatives and relevant documentation.

The fourth session by Dr. C. Hariprasad was on “Introduction to the Course file”. This session helped the participants to get acquainted with various elements of the course file and to understand the importance of detailed planning for an effective teaching learning process.

The last session for the second day was on “Question paper setting & analysis” By Dr. Gautam Shah where he discussed the steps required to set a quality paper for appropriate evaluation of the students in all the areas of learning.



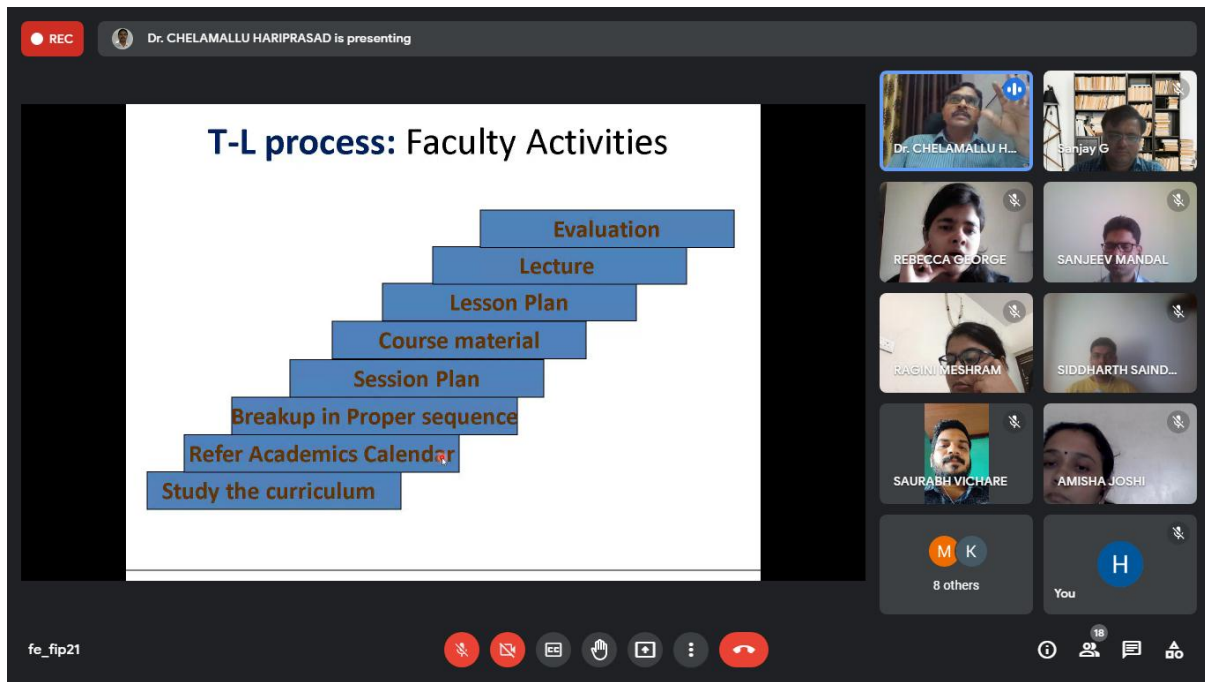
### Day

3:

The third day of FIP began with a session by the Principal, Dr. Sincy George on “Concepts of programme outcomes and course outcomes” The participants were acquainted with concepts of POs and COs, making sure they gained clarity of approach for effective planning and execution in teaching.

The concluding session of the day was on “Post-microteaching” conducted By Ms. Preethi Colaco. The participants gave a demo of their teaching techniques and to enhance their skills, individual feedback was provided by all the resource persons and their fellow participants.

The FIP 2021 ended with a valedictory session where the FIP Coordinator appreciated the efforts made by the entire team, and few participants also gave their precious feedback.

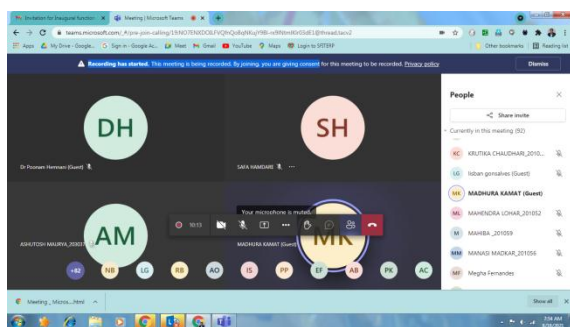


Programming Skill Workshop 2021: Transition from to Java from 18<sup>th</sup> to 22<sup>nd</sup> August 2021

No. of Registered Students: 144

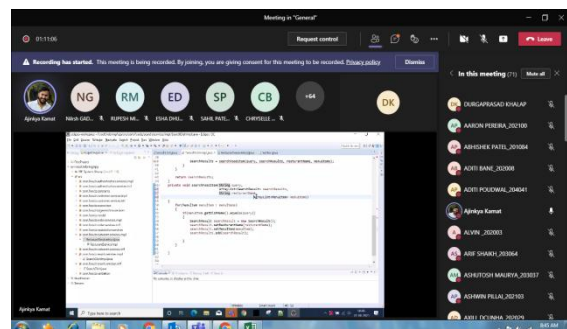
Resource Persons:

Sr No	Date	Resource Persons	Topic
1	18 <sup>th</sup> August 2021 – 22 <sup>nd</sup> August 2021	Mr. Ajinkya Kamat Product Engineer, Seclore	Entire Workshop



This programming skills workshop was conducted for First year engineering students from 18<sup>th</sup> August 2021 – 22<sup>nd</sup> August 2021. On 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> August sessions were taken from 08:00 am to 10:00 am (2 Hrs.) and 08:00

pm to 10:00 pm (2 Hrs.). On these 3 days' concepts were taken and basics of programming was taught. On 21<sup>st</sup> and 22<sup>nd</sup> August project development was taken from 08:00 am to 05:00 pm (8 Hrs.). Objective of this workshop is to



help the students get adequate knowledge which will help them to improve their technical skills and enables them in gaining first hand exposure of working in real world in Java language.

## Student Induction Program 2021-22

### Module 1 Universal Human Values

As per AICTE's Model Curriculum, in the Student Induction Program (SIP, Universal Human Values (UHV) is one of the significant modules. The faculty at First Year Engineering (FE) realizes the importance of the initiative. They have been trying to conduct the SIP\_UHV in an effective manner.

Given the pandemic situation, even this year we had conduct the UHV sessions online. We planned to include a teacher assistant in the process who could accompany the UHV trainer in each session for a respective class. This facilitates the interaction of students with one more faculty and helps train the next set of UHV trainers. As compared to last year, we had more faculty trained and hence eligible to conduct UHV sessions for our students. With more faculty taking interest in not only conducting the session but also encouraging students to speak their minds during the sessions, the result was an effective UHV experience.



As instructed by the authorities, trainers were majorly from First Year faculty. We had one trainer and one assistant teacher from Mechanical Engineering Department. Given the delay in the admissions process, we

conducted UHV sessions in two phases. For 402 FE students, the day began with 2 hours of UHV session, which included interaction time for them to discuss their concerns/queries based on UHV content. The UHV sessions were conducted from 13 December 2021 to 10 Jan 2022 covering the content of UHV for all FE classes in 128 hours of total session time.

The UHV trainers and assistant teachers involved were

FE 1 –Ms Rekha Ajikumar (assisted by Ms. Astrid D'souza)

FE 2 – Ms Deepa Panakkal (assisted by Ms Grishalda Dsouza)

FE 3 – Ms Neha Agnihotri (assisted by Ms. Arti Bhatnagar)

FE 4 – Mr. Praveen Kurien (assisted by Mr. Magesh Nadar)

FE 5 – Mr. Paul Fernandes (assisted by Dr.Harshada Jadhav)

FE 6 – Mr. Yunus Dalal (assisted by Mr. Faiz Ansari)

FE 7 – Ms Deepa Panakkal (assisted by Ms Belinda Misquitta)

The Coordinator facilitated the session through a shared folder on the UHV Coordinator's drive with day wise allocation of the content, as prescribed by AICTE – NCC-IP, all daily quizzes and assignments along with final feedback form. This way on sharing this folder, all trainers had ready access to all essential resources. We also had a WhatsApp group of trainers for discussions and sharing of experience, thereby helping each other.

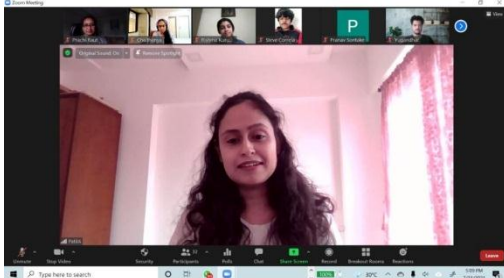
The feedback received from students was majorly positive and many have even asked for UHV sessions to continue. While students were requesting a weekly meet, we do plan to have something on monthly basis for these sessions have been very useful to students.

In their feedback, not only have the students expressed affirmation and acceptance to the content but also shown affection and gratitude towards the UHV trainers. The feedback is tremendously positive with many students even offering to be volunteers in the UHV journey. This time we even received appreciation from parents for this initiative.



## E CELL ACTIVITIES

### Grow a Great Team: A team building workshop by Ms. Akshaya Patil on 30<sup>th</sup> August 2021

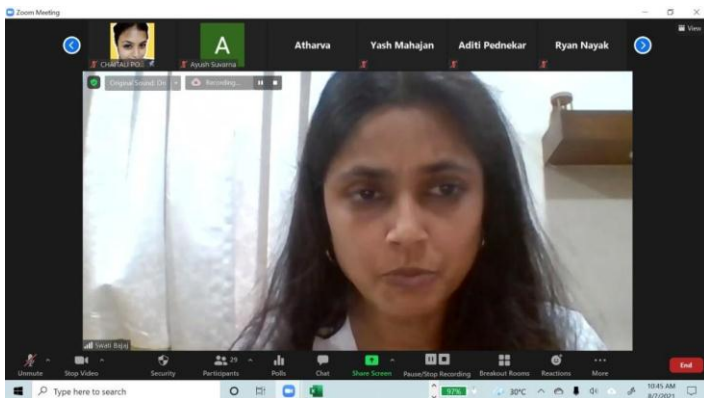


The workshop was conducted by Ms. Akshaya Patil. The objective of the workshop was to help team E-cell understand the importance of teamwork and how it promotes strong working relationships. It was a very interactive session, where the speaker kept them engrossed with her pertinent questions. She shared personal anecdotes and conducted interactive pre-exercises which kept the attendees keen and focused.

She commenced the session by presenting a picture of synchronized swimmers explaining that the quintessence of teamwork is to step out of your comfort zone and coordinate with your teammates. She highlighted the prominence of co-dependency using several examples. She told us that in 1965 Bruce Tuckman developed a model of teamwork which laid the foundation for multiple theories. At its core, Tuckman's theory describes the challenges a team faces from its creation to the completion of its assigned task.

Total Participants: 32

### Business Services for Startups – A Webinar by SeedUp on 7<sup>th</sup> August 2021



The webinar was conducted by Sumeet Singhania, and the objective of the webinar was to guide the startup groups in finance and legal domain. It was a very interactive session wherein startup groups got their doubts and misconceptions cleared related to partnership,

taxation, trademarks, valuation etc.

Sumeet Singhania started the session introducing SeedUp, a cloud based online platform for business and compliance services. SeedUp idea found its inspiration when they realized that early startups find it difficult to do legal and financial formalities for a new company. They

help startups at different difficult stages by providing services like Incorporations, Accounting, fund raising, GST filings, business licenses, compliances, trademarks etc. Their main aim is to support budding entrepreneurs in legal and financial domain so that they can focus on their product, growth and innovation. He took everyone through his website and explained different aspects of it

After the brief introduction, he called up startups to interact and ask their queries in terms of finance or registering their business, trademark, IP etc.

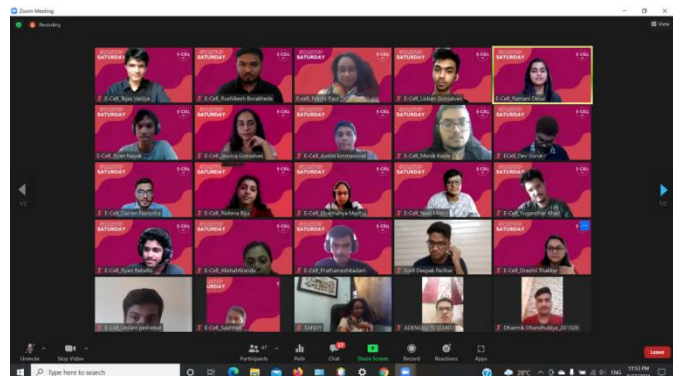
### **Startup Saturday - Business Model Basics: A webinar by Dr. Prachi Raut on 28<sup>th</sup> August 2021**



The webinar was conducted by Dr Prachi Raut. The main purpose was to make young minds realize, what a business model is and at the same time understand the concept and certain key elements involved to make their first business model using the

steps discussed in the webinar.

She began the webinar with a very pleasant image of the ‘Canva ‘team. Students were surprised but at the same time eager to know how Canva could relate with business model basics. She then shared a very important tip that business is not just about making a lot



of cash but its primary goal should be to add value to their customers life. This tip quickly related to the Canva and its purpose allowing its user to create beautiful designs with their team and work efficiently. She further talked about Guy Kawasaki and his well- known book the “Art of Start” and how its simple language could relate to any reader.

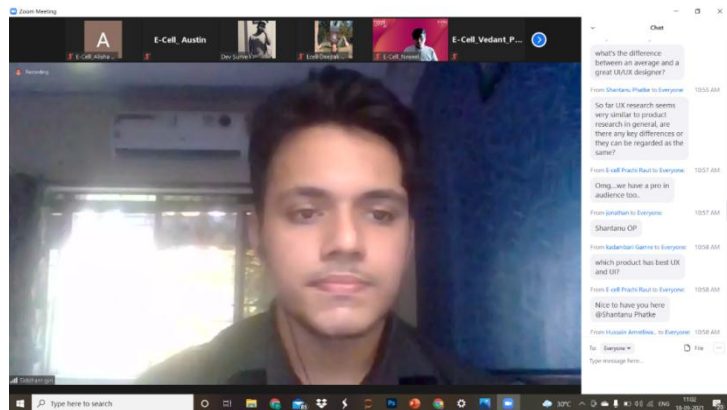


**UNNATI 2021: Workshop on UI/UX designing by Mr. Darren Noronha and Mr. Siddhant Giri on 18<sup>th</sup> September, 2021**



The event started by a glorious introduction speech by Linette Pereira in which she covered key points of the event. Mr. Siddhant gave a wonderful intro about the session and told us what really UI/UX designing is all about. “UI” design stands for “user interface.”

The user interface is the graphical layout of an application. It consists of the buttons users click on, the text they read, the images, sliders, text entry fields, and all the rest of the items the user interacts with. “UX” stands for “user experience.” A user’s experience of the app is determined by how they interact with it. Is the experience smooth and intuitive or clunky and confusing? Does navigating the app feel logical or does it feel arbitrary? Does interacting with the app give people the sense that they’re efficiently accomplishing the tasks they set out to achieve or does it feel like a struggle? User experience is determined by how easy or difficult it is to interact with the user interface elements that the UI designers have created.



## TEDxSFIT 2021 Day 1 on 2nd October 2021



This event was conducted in the spirit of ideas worth spreading. It is a commemorative platform presenting a diverse speaker lineup and stories that inspire you to the core which instils a spirit of social transformation. This event had a unique and exceptional lineup of speakers who shared their perspectives and ideas on the theme of the event “After the Storm”.

The event kick started with Mr. Keval Kakka sharing his journey to Mt. Everest and becoming the first Indian male to scale two of the world’s highest mountain peaks – Mt. Everest and Mt. Lhotse in just six days. The hype and the motivation among the audience after his talk was invaluable. Everyone was inspired to their core.

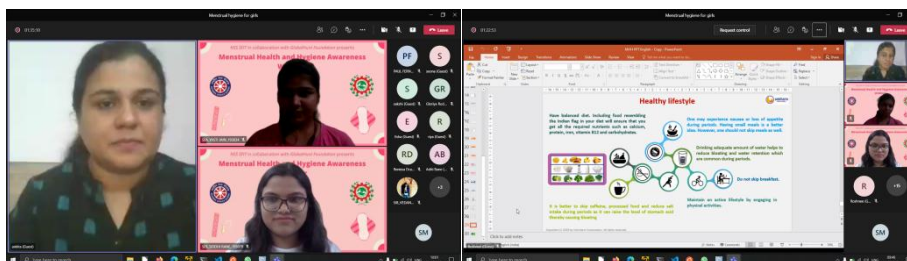
It was followed by yet another inspiring talk by the very own faculty member Ms. Jovita Serrao who has braved her storms and continues to inspire people to do the same. Her talk reflected her beliefs of gratitude and her shining will to get through everything life throws at you with a smiling face.

This event culminated on a very positive note with a TEDx talk by Mr. Savio Mascarenhas on how every picture holds a story. He emphasized on dilating our imagination and looking at things with fresh new perspectives.

The last segment of the event was the Q n A session, wherein the speakers answered the questions by the audience. The chat box was brimming with questions and the amazing speakers made sure to answer them all in the most informative and candid way!

## NSS CELL ACTIVITIES

### AN AWARENESS SESSION FOR GIRLS ON “MENSTRUAL HEALTH AND HYGIENE” FOR FE on 23<sup>rd</sup> July 2021



The speaker of the webinar was Ms. Ankita Sukhwai, CSR Executive, Unicharm India. She has been a part of Unicharm India for almost 5 years where she is handling the program implementation on menstrual health and management.

The session entailed a comprehensive understanding on the what, why and how of menstruation, consisting of the meaning of menstruation, developing a biological understanding, talking on related social taboos and aware the volunteers on hygiene practices to be maintained during menstruation.

This webinar was very informative for the participants and it helped spread awareness on this issue.

Total Number of Participants: 22

### AN AWARENESS SESSION FOR GIRLS ON “MENSTRUAL HEALTH AND HYGIENE” FOR TE on 26<sup>th</sup> July 2021

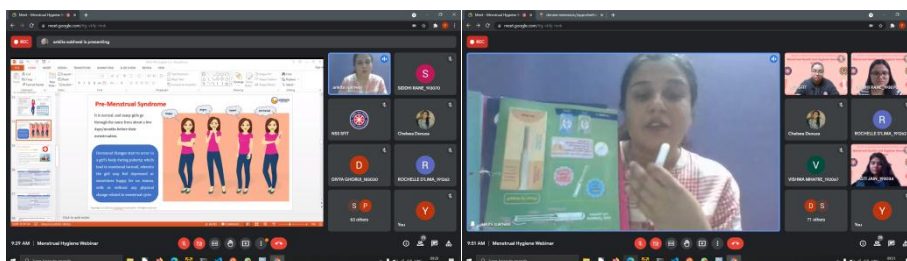


The speaker of the webinar was Ms. Roshnee Bhowmick, CSR Executive, Unicharm India. Mainly responsible for all CSR activities in West Bengal. Campaigning for Menstrual Health and Hygiene management in West Bengal mainly in educational institutions, non profit organizations and in the community level as well.

The session entails a comprehensive understanding on the what, why and how of menstruation consisting of the meaning of menstruation, develop a biological understanding,

talk on related social taboos and aware them on hygiene practices to be maintained during menstruation.

### **AN AWARENESS SESSION FOR GIRLS ON “MENSTRUAL HEALTH AND HYGIENE” FOR BE on 28<sup>th</sup> July 2021**

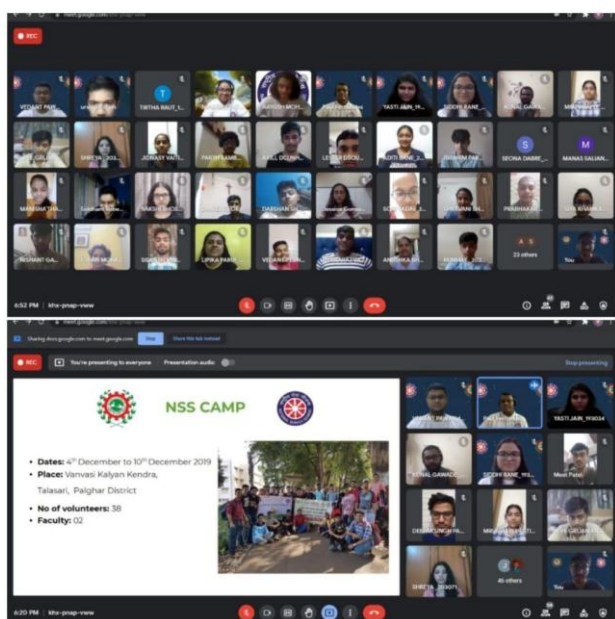


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This webinar was very informative for the participants and it helped spread awareness on this issue.

### **TREE PLANTATION DRIVE AT BHALIVALI VILLAGE on 29<sup>th</sup> July 2021**



The session began with a brief overview of the different activities that NSS SFIT has conducted and their classification as Area based activities, University Level Activities and College Level Activities. After which Program Officer Mr. Paul Fernandes gave the details of the NSS camp which is organized every year. This was followed by the former Heads sharing their experiences.

The aim of this session was to welcome the

new volunteers and motivate them to participate actively in all the activities conducted by NSS.

### **RASHTRAGAAN on 11<sup>th</sup> August 2021**

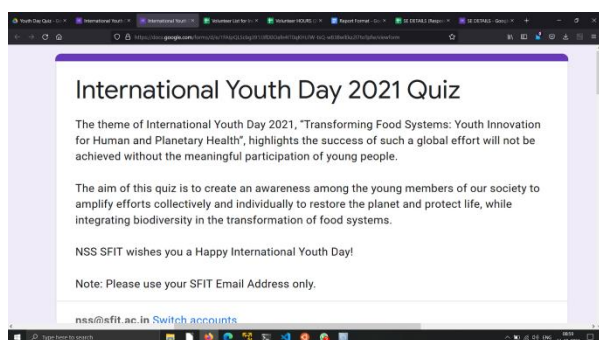


As a part of this activity volunteers had to visit the website <https://rashtragaan.in/>, register themselves and then record a video of themselves singing the National Anthem. Volunteers actively participated in this activity and proudly shared their certificates which they received after the completion of this activity.

The national anthem underlines the importance of India as a diverse nation. It signifies that despite differences in culture, traditions, religion and languages, India is united under one flag. The anthem is significant in uniting people and reminding us that there we stand and remain one under the Indian union.

By participating in this activity the volunteers developed a great sense of patriotism and pride for our Nation.

### **Youth Day Quiz on 12<sup>th</sup> August 2021**



SFIT NSS volunteers celebrated International Youth Day by organizing a quiz on the theme “Transforming Food Systems: Youth Innovation for Human and Planetary Health”.

It has been acknowledged that there is a need for inclusive support mechanisms that ensure youth continue to amplify efforts collectively and individually to restore the planet and protect life, while integrating biodiversity in the transformation of food systems. The questions were designed in a way where volunteers learn the damaging effects on our environment because of our lifestyle habits, especially food related.

## Youth Day Group Discussion on 13<sup>th</sup> August 2021



Youth Day by having a group discussion on the current problems faced by the community and coming up with solutions to tackle them.

A total number of 77 people were present in the meet, out of which 63 were SFIT NSS volunteers and 30 of them participated in the group discussion. These 30 were divided into 3 groups of 10 to have a smooth and fruitful discussion. Following were the topics for the group discussion:

- Ideas to help our food producers adapt to climate change
- Preserving the biodiversity of our ecosystems and species- need of the hour
- How diet change can affect climate change?

Participants found these discussions interesting and insightful, pitching in their own ideas to solve the current issues and hoping for a better futuristic community.

## SAVE THE SIGHT on 12<sup>th</sup> July 2021



Save The Sight which was organized by NSS Unit of Atharva College of Engineering. The Program's Speaker was Dr. Sumit Grover. He told us about Eye health, Low vision, Infected Eye and Allergic Eye. As in India there are more than 8 million people who are blind so everyone needs to know about their Eye importance.

He told us about so many eye surgeries in detail like Lasik treatment, Pinguecula, cornea thickness, Cataracts, Refractive error, Trachoma and how much it will cost. Is it safe or not, Is it painful

or not.

The session was very informative and volunteers got to learn about many unknown facts about eye health.

## ENGLISH COMMUNICATION LECTURES: 3<sup>rd</sup> July to 15<sup>th</sup> August 2021



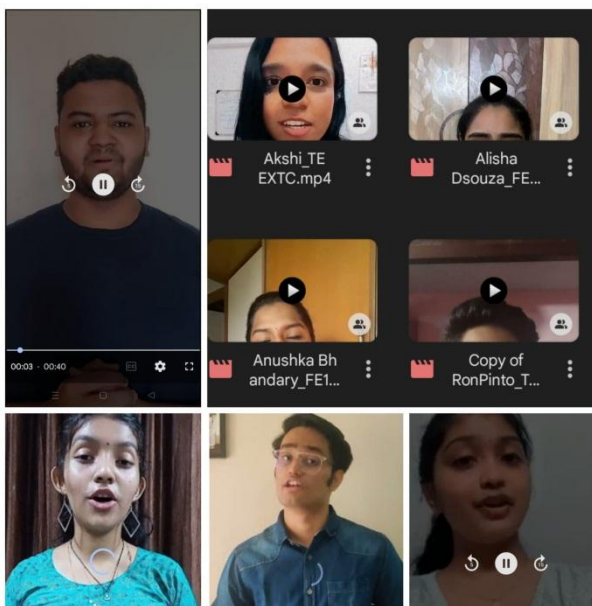
SFIT NSS volunteers took English Communication Lectures for a student named Yasin Shah.

Yasin Shah is a 12 year old boy studying in 7th Standard. NSS SFIT had organised English Communication lectures, where NSS SFIT volunteers volunteered and taught him basic concepts and Grammar of English. Volunteers took into consideration that Yasin was able to grasp the concepts and the concepts were explained to him in an easy to understand language. Volunteers

were given one day over the weekend to teach with a time span of 1 hour.

The volunteers had a great experience and learned teaching qualities and got some Leadership skills. They were very grateful for the opportunity they received.

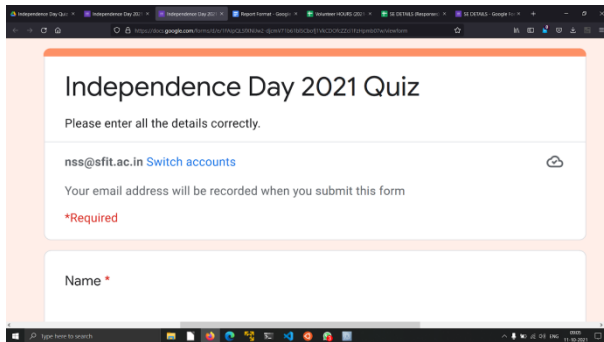
## ROAD SAFETY AND AWARENESS on 13<sup>th</sup> August 2021



A Short Clips program on the occasion of Independence day was organized to pay tribute to our Freedom Fighters on the occasion of Independence Day.

Volunteers who participated in this activity were requested to record a video of them talking about their favourite freedom fighter. They had to share some facts and quotes given by the freedom fighters. The clips were combined and the video was posted in the official Instagram page of NSS SFIT.

## Independence Day Quiz on 15<sup>th</sup> August 2021



The goal of the quiz was to awaken the sense of pride of being an Indian. The quiz included many questions which were related to our rich cultural heritage and our fight for independence.

**No. of participants:** 83 volunteers

## INDEPENDENCE DAY CELEBRATION on 15<sup>th</sup> August 2021

Due to the pandemic, NSS-SFIT broadcasted the event live on Instagram for all college students and faculty members to celebrate the Independence Day from their homes.

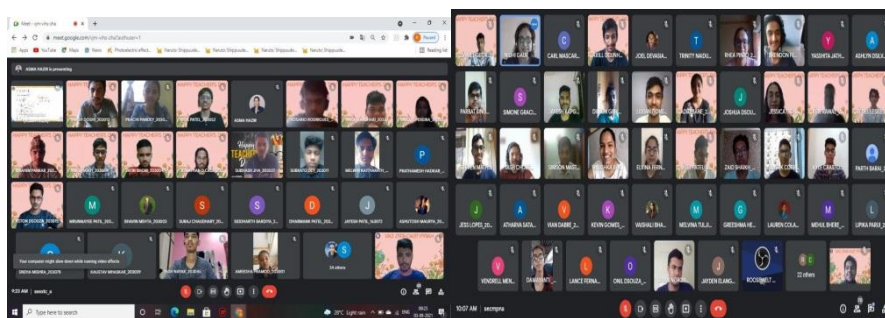
As we celebrate the 75th Independence Day, the Flag was hoisted by our Director Bro. Jose Thuruthiyil. After that the Director addressed the gathering. Our Dean of Academics Dr. Kevin Noronha delivered a speech which was followed by a speech by our program officer Mr. Paul Fernandes. To boost the patriotic spirit we sang patriotic songs like “Vande Maataram”, “Aye Mere Watan Ke Logo”.



Independence day reminds us of all the sacrifices that were made by our freedom fighters in order to set India free from British rule. We celebrated with great enthusiasm and pride.



## TEACHERS DAY



The volunteers requested all of the students and teachers to turn on their cameras and all the students wished together to the respective teachers. After wishings, some of the students delivered a small speech for the teachers to appreciate them for their hard work and for their support in this online mode. Some teachers shared their beautiful memories and some fun facts with students. In some lectures students played games with teachers to make their day happy and joyful.

Overall It was a great day for the students and teachers, A Good TEACHER is like a CANDLE It Consumes itself to LIGHT a way for the OTHERS.

## First Aid Training on 7<sup>th</sup> – 8<sup>th</sup> September 2021



NSS SFIT volunteers participated in “Online First-Aid Training Programme” which was organized by The N.S.S. Unit B-28 of Nagindas Khandwala College of Commerce, Arts and Management Studies and Shantaben Nagindas Khandwala College of Science (Autonomous) & N.S.S. Unit of BSGD JUNIOR COLLEGE along with Department of Foundation Course and Fortis Hospital, Mumbai.

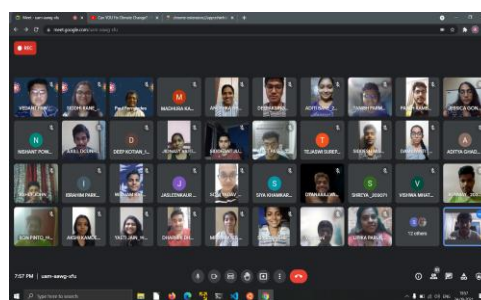
The duration of this webinar was of 3 days where topics like Qualities of a first aider, First aid box, Blood, Bones, Respiration, Artificial respiration, Unconscious casualty, Chest pain : Cardiac & Non Cardiac, Heart attack, Cardiac Arrest, Stroke, Cardiopulmonary Resuscitation, Transportation of casualties, ICE Concepts were covered. The resource person for this program was Dr. Manjeet Singh Arora, General Physician, Fortis Hospital, Mumbai.

## GANESH CHATURTHI POSTERS AND REELS – 10<sup>th</sup> September 2022



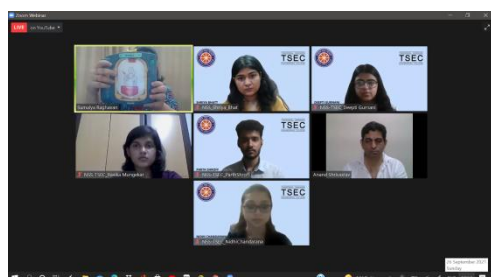
SFIT NSS volunteers organised a Digital Arts, Drawings and Short Clips competition on occasion of Ganesh Chaturthi to spread awareness about Eco-friendly Ganesh Chaturthi Celebration and following the social distancing protocols while celebrating.

## Dry & wet waste composting webinar on the occasion of NSS Day on 24<sup>th</sup> September 2022



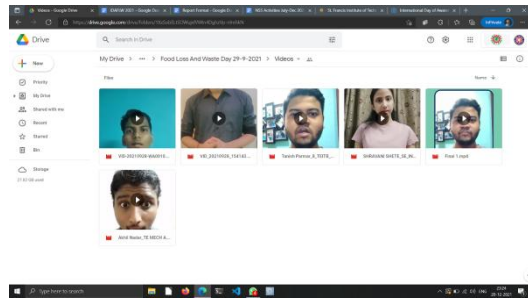
Volunteers were encouraged to segregate dry and wet waste in their homes and make compost out of a biodegradable waste. NSS Head Mr. Yash Mahajan explained and showed a demo of how to compost at home by using plastic bottles and he encouraged all the participants to do the composting at home.

## Cardiac Arrest Resuscitation Workshop organised by TSEC on 26<sup>th</sup> September 2022



Ms. Sumaiya Raghavan and Mr. Anand Shrivastav were the resource persons for this webinar. The webinar started with Mr Shivastav explaining the difference between a ‘Heart Attack’ and ‘Cardiac Arrest’. After that he explained how to identify a sudden cardiac arrest. Ms. Raghavan explained the procedure of a CPR and its importance in an emergency situation. Which was followed by a live demonstration of using an Automatic External Defibrillator (AED) in case of a sudden cardiac arrest. The session was concluded with a Q&A session.

## International Day of Food Loss and Waste on 29<sup>th</sup> September 2021



Volunteers recorded a short clip on Food Loss facts. The aim was to spread awareness about food wastage and food loss.

## Managing Mental Health on 12<sup>th</sup> October 2021

Webinar's speaker, Dr Meenal Sohani shared her knowledge on how to handle stress, deal with anxiety and overcome struggles with communication, especially during this COVID-19 pandemic. Questions like "How do I best manage the stresses of academic life, especially in a COVID-world?", "How do I balance career development and academic performance at the same time?", "How do I deal with peer and parental pressure when it comes to my career choice?" were answered during the session, helping our students to understand this sensitive topic about mental health in an easier way.



The volunteers got a lot to take and implement from this webinar, learning how to deal with many mental struggles one might be going through.

## VERSOVA BEACH CLEANUP on 17<sup>th</sup> October and 14<sup>th</sup> November 2021



Volunteers actively took part in Beach Cleanup drive at Versova Beach, Andheri in collaboration with Afroz Shah Foundation. After enthusiastically collecting and cleaning plastic bags, a representative from the Afroz Shah Foundation explained the purpose of these beach cleanups and the concept of 'Circular Economy'. Volunteers got a chance to interact with Mr Afroz Shah, seeking his motivation for a Swachh Bharat.

## COVID-19 VACCINATION DRIVE FOR SFIT STUDENTS AND STAFF on 26<sup>th</sup> October 2021



This Vaccination drive was organized in collaboration with Mr. Harish Chheda, Corporator-Ward 8, BJP. Volunteers arrived at the college campus to set up the registration desk. The volunteers at the registration desk recorded the details like name and mobile number. Other volunteers helped with crowd management and helped them to navigate to the

vaccine booth. They made sure that all the eligible vaccine candidates have the required documents and understand the procedure of vaccination.

This Vaccination drive was a great success with around 37 doses administered to staff and students and around 40+ doses administered to people from outside the college.

### **GREEN AUDIT: 28<sup>th</sup> October -2<sup>nd</sup> November 2021**



SFIT NSS volunteers observed Green Audit Week by conducting a Green Audit drive at St. Francis Institute Of Technology, Borivali.

As the volunteers arrived at the college they explored the college campus. After that the Program Officer explained the whole scenario of green audit with the help of a college map. The main task of the volunteers is to number the trees in a systematic way as shown in the map. Abiding by the given instructions, volunteers split up in pairs and started numbering the trees under the guidance of SFIT staff. They were assisted by the staff members. After enthusiastically numbering the trees a survey was conducted to count the number of trees belonging to a particular species. The staff members expressed their gratitude to the NSS volunteers for helping them.

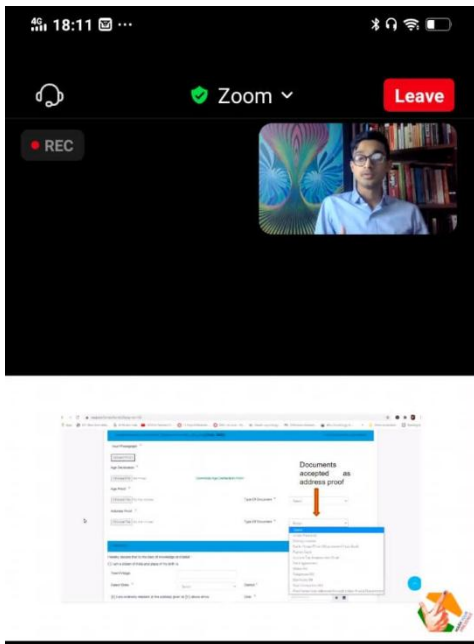
### **Voters Registration and Awareness Drive on 8<sup>th</sup> November 2021**



Volunteers attended an online webinar where the CEO and founder of Mark Your Presence Mr. Chaitanya Prabhu gave an overview of their work. After which he explained the timeline of the Voter Registration Campaign.

He also emphasised on the importance of elections and our legal rights. The campaign was divided into two parts, the first was voter registration drive and the second was voter awareness drive. Before starting the voter registration drive the volunteers had to get training for registering voters via the online NVSP portal.

## Voter Registration Training Webinar on 16<sup>th</sup> November 2021

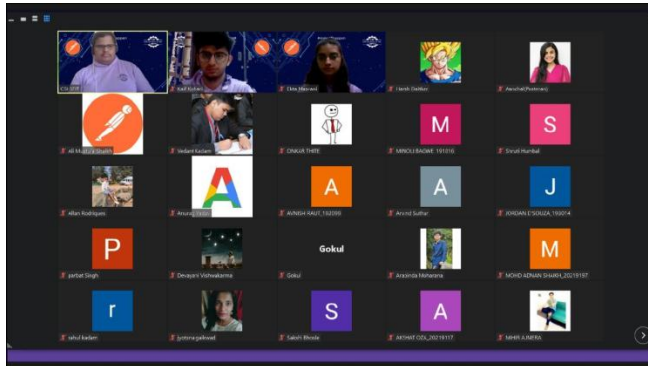


Volunteers attended an online webinar where the CEO and founder of Mark Your Presence Mr. Chaitanya Prabhu and his team gave an overview of the process of registering new voters via the National Voters Services Portal (NVSP) website. They explained the process in detail and also explained which are the documents that are accepted as Proof of Address and Proof of Age. They made sure that volunteers don't find tasks like finding the correct Assembly Constituency and Post office difficult.

The volunteers were able to understand the entire process of online voter registration and had a great learning experience.

## STUDENT CHAPTER – CSI SFIT

### API 101 Workshop on 4<sup>th</sup> September 2021



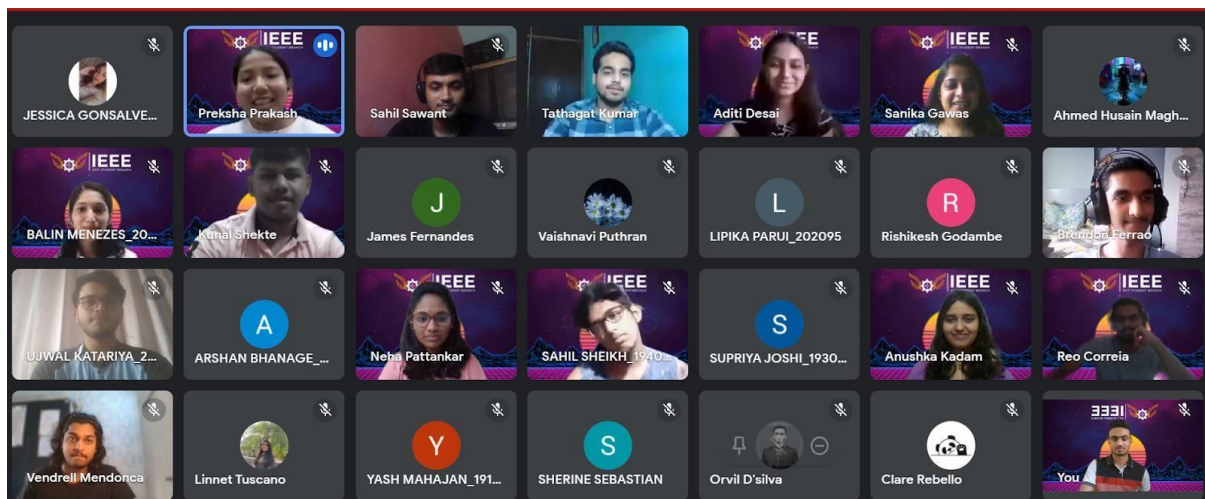
A workshop on API 101 was organized by the Computer Society of India - SFIT on the 13th September, 2021, which was taken by Ali Mustufa. We closed registrations at 132 students due to platform restrictions and garnered over 80+

attendees. A report for the same is as follows:

The major objective of the session was to familiarize the attendees with applications of Postman in carrying out requests to APIs and cultivating interest in the same

## STUDENT CHAPTER – IEEE SFIT

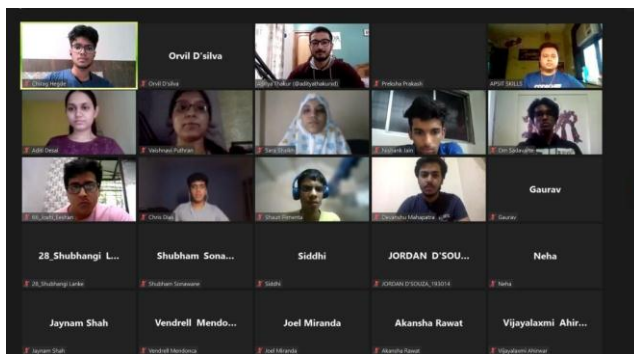
### **Expand your Professional Network through IEEE on 15<sup>th</sup> August 2021**



IEEE SFIT Student Branch (ISSB) in association with IEEE Bombay Section organized an online session 'Expand your professional network through IEEE' by Mr. Tathagat Kumar who is also the Section Student Representative of IEEE Bombay Session. The seminar was held on 15th August 2021 at 16.00 on the online video conferencing platform Google Meet. The speaker addressed a crowd of 30 participants from St. Francis Institute of Technology,

Mumbai. The seminar started sharp at 16.00 hours with an introductory speech from Aditi Desai, Chairperson - ISSB. The session began with Mr. Tathagat introducing himself to the crowd of participants. The speaker introduced IEEE and its membership benefits to the audience. Further on he explained how to become an IEEE student volunteer and how it helps for personal growth. To keep an active IEEE Student Branch, it needs to have an Annual Event and other events which need to be updated in yearly activities. Collaborative events help to connect to a larger audience. Mr. Tathagat also explained about requirements of Student branch formations and starting new student chapters. Student Branch Activities help to develop Professional Network, enhance presentation and management skills and also participate in various contests/competitions.

### Skill Up September-App development using Flutter

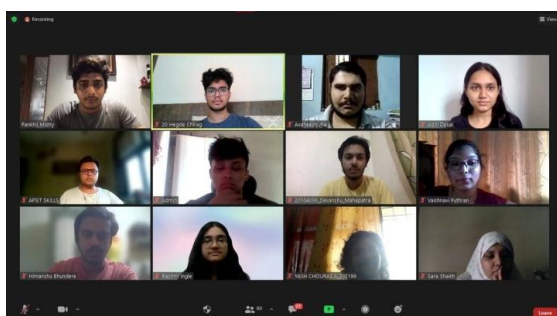


IEEE SFIT Student Branch (ISSB) in association with IEEE APSIT organized the first session of the “Skill Up September“ weekend series titled “App development using Flutter” addressed by Mr. Aditya Thakur, a Flutter developer experienced in building cross-platform

applications for Android, iOS, and the Web. The event was held on Sunday, 12th September 2021 on the video conferencing platform Google Meet. The speaker addressed an audience of 109 participants from St. Francis Institute of Technology, Mumbai.

The session began at 3:00 pm with Techess chairperson Ms. Preksha Prakash welcoming Mr. Thakur, who, in brief, introduced his background in software development through Flutter, a UI toolkit by Google for building applications for mobile, web, desktop, and embedded devices from a single codebase.

### Skill Up September-UI/UX Designing



IEEE SFIT Student Branch (ISSB) in association with IEEE APSIT organized the second session of the “Skill Up September“ weekend series titled “UI/UX Design”

addressed by Mr. Pankhil Mistry, a full-stack product designer, The event was held on Sunday, 19th September 2021 on the video conferencing platform Zoom. The speaker addressed an audience of 110 participants from St. Francis Institute of Technology, Mumbai.

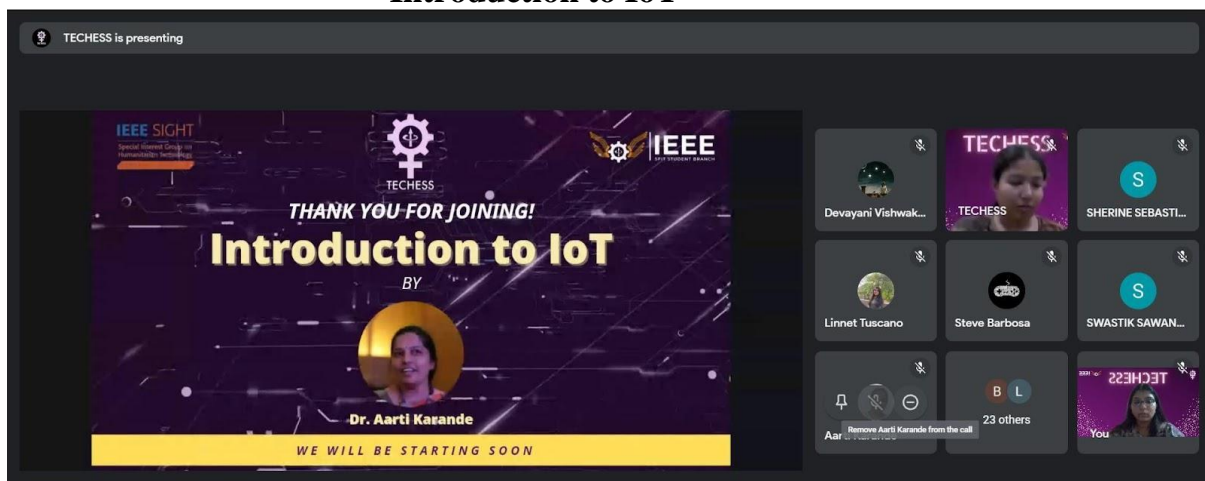
The session began at 3:00 pm with Aditi Desai, Chairperson - ISSB welcoming Mr. Pankhil Mistry, who in brief, introduced himself and UI/UX Designing to the crowd of participants.

### Skill Up September-OpenCV-Computer Vision



IEEE SFIT Student Branch (ISSB) in association with IEEE APSIT organized the last and final session of the “Skill Up September“ weekend series titled “OpenCV-Computer Vision” addressed by Mr. Varun Yerram, a research intern at Chubu University, Japan. The event was held on Sunday, 26th September 2021 on the video conferencing platform Zoom. The speaker addressed an audience of 70 participants.

### Introduction to IoT



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 session of the current academic year. The



webinar was conducted by Dr. Aarti Karande, Chair of IEEE SIGHT Bombay Section and assistant professor at Sardar Patel Institute of Technology. It was organized in collaboration with IEEE SIGHT Bombay Section. The event was held on Friday, 08th October 2021 on the video conferencing platform Google Meet. The speaker addressed an audience of 40 participants from majorly St. Francis Institute of Technology, Mumbai.

## **STUDENT CHAPTER – IETE SFIT**

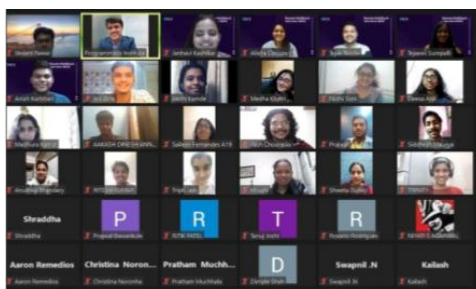


The webinar was held on 11th December 2021 from 5:00pm - 6:00pm .The speaker was Mr. Anand Fadte, a senior vice president in field of ML and AI at Qorbital . The session started with a short introduction of the speaker's profile. The content covered was about data

science , machine learning , skills required ,path for becoming a Machine Learning Engineer etc. The basics were explained which further built up the path for data science. The session was interesting and innovative . New concepts were explained and more ideas were brought up. We came across many new ideas.

Thus overall it was an interactive session.

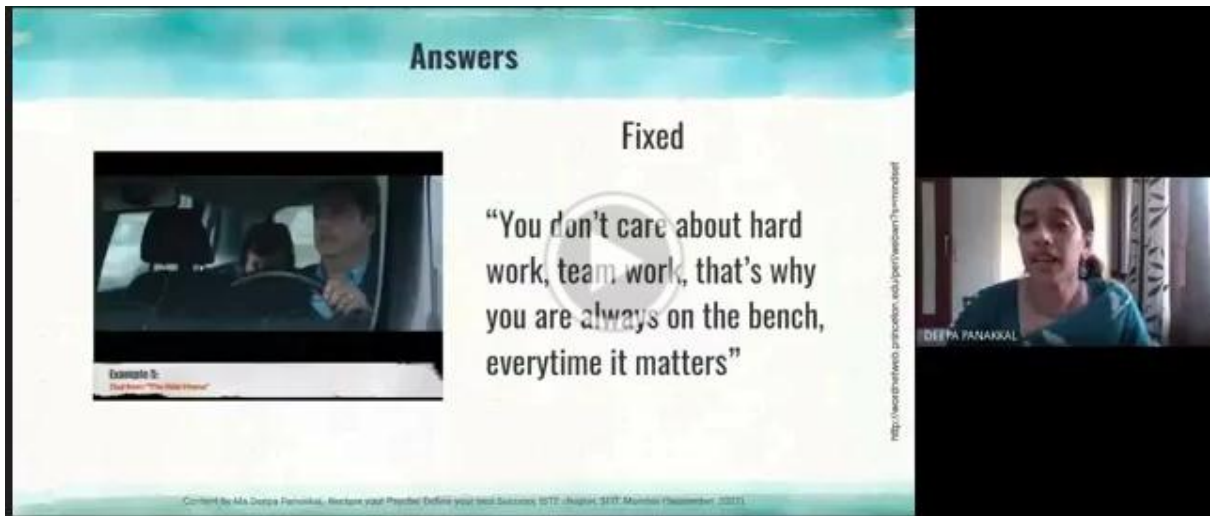
## **Resume Building and Interview Preparation on 8<sup>th</sup> October 2021**



Institution of Electronics And Telecommunication Engineers(IETE), had organized a webinar on “Resume Building and Interview Preparation” on October 8 ,2021 for all year students by speaker Mr. Pratik Upadhyya .The topic for our webinar was Resume Building and Interview Preparation. It started with basic ideas of resume building, the opportunities after a degree is completed, the various websites where one can apply for internships, content needed in resume, writing format and inclusion of required details etc.For interview preparation topics like ones strength, weakness, salary negotiation, predictable questions technical non technical etc were discussed .Finally it ended with a question and answer session.

## **STUDENT CHAPTER – ISTE SFIT**

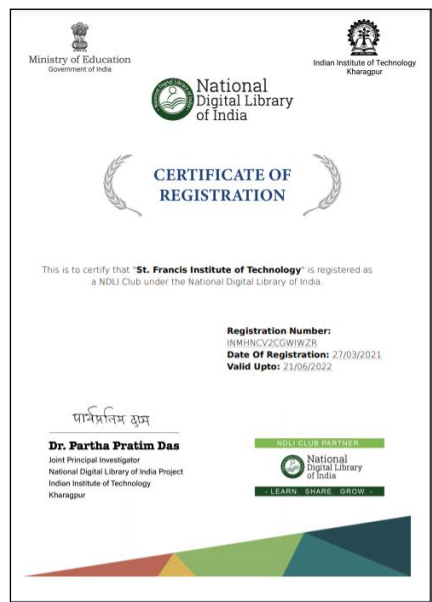
### **NURTURE YOUR PSYCHE: DEFINE YOUR OWN SUCCESS**



Nurture your psyche webinar was conducted by conducted by SFIT student chapter of the Indian Society for Technical Education (ISTE) on 18<sup>th</sup>September, 2021 between 12.00 pm to 1.30 pm. The speaker of the event was Mrs. Deepa Pannakal. The session highlighted the aspects that contribute to better understanding of self-worth, mindset, productivity and thereby, success in a manner where growth is not considered secondary to outcomes. There was a total of 107 participants for this event. Through this event we were able to encompass various aspects of professionalism, soft skills and specific employability skills.

## LEARNING AND INFORMATION RESOURCE CENTRE

### NATIONAL DIGITAL LIBRARY OF INDIA CLUB

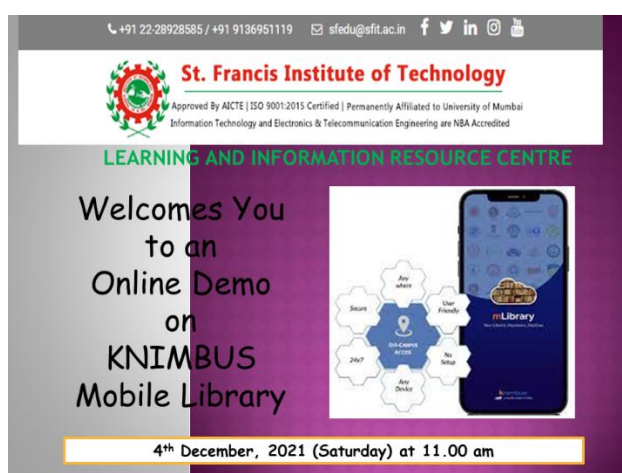
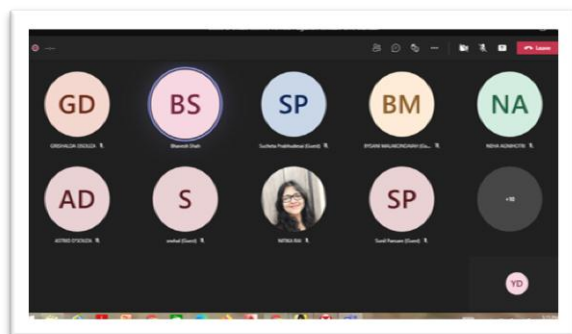


### **Events and Activities of SFIT NDLI Club: July to December 2021**

No.	Title of the Event Organized	TYPE	Chief Guest / Resource Person / Responsibility	Month
1	NPTEL / SWAYAM Certification Courses	Lecture Series	Dr. Kevin Noronha – Dean Academics	July 2021
2	Electric Vehicle	Quiz		July 2021
3	Competitive Exams with a Special Focus on GATE	Lecture Series	Asst. Prof. Santosh Chapaneri and Asst. Prof. Jovita Serrao – ExTC	August 2021
4	Machine Learning: Applications in the Real World	Lecture Series	Asso. Prof. Anuradha G.	September 2021
5	Reading Inspiration Day	Quiz		October 2021
6	Reading Inspiration Day	Book Review Contest		October 2021
7	Corporate Trivia	Quiz		November 2021
8	Constitution Day of India	Quiz		November 2021

9	Ramanujan Day / Mathematics Day		December 2021
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### Demo on DrillBit and Ouriginal Anti Plagiarism Software



Mr. Venkatesh from Knimbus Mobile Library introduced the Online Platform and the following topics were covered:

- 1) Single Sign On
- 2) Modern Interface and Easy Navigation
- 3) Access thousands of e resources from anywhere, anytime and on any device
- 4) Universal Search
- 5) Off Campus Access
- 6) Analytics and Librarian Dashboard

### READING INSPIRATION DAY CELEBRATIONS

We salute APJ Abdul Kalam and celebrate his monumental achievements as a Scientist, Scholar and the President of India. We fondly remember his passion for teaching education and for reading. Dr. Kalam truly ignited young minds with the power to think and innovate. Dr. Kalam is not with us today but his thoughts, ideals and vision for India live on forever.

As part of the virtual celebrations, the library conducted the following two events in collaboration with the NDLI Club:

1. Online Quiz on the Life and Times of Dr. A.P. J. Abdul Kalam
2. Online Book Review Competition
3. Book Exhibition for the faculty members of SFIT

As part of the virtual events, the library launched the following:

Wakelet on Dr. A.P. J. Abdul Kalam - <https://wakelet.com/wake/3t6vUJO2hXrmqHe4MRfsF>

## **STAFF ACTIVITIES**

Chinmayee Bhangе – Librarian

- 1) Participated in 6<sup>th</sup> and Virtual edition of Soference – Looking Ahead: Future of Libraries organized on 18<sup>th</sup> December 2021 by Tata Consultancy Services.
- 2) Participated in One Day One Day State Level Workshop on “NAAC-Library Documents Management” on 14th September 2021 organized by SHIVAJI UNIVERSITY COLLEGE LIBRARIAN ASSOCIATION.
- 3) Participated in the Webinar on Creation of Learning Materials for NDLI held on 15 Jul 2021 organized by the P N Panicker Foundation in collaboration with NITI Aayog, Ministry of Education, National Digital Library of India, Govt. of Kerala and P N Panicker Vigyan Vikas Kendra.
- 4) Participated in the Webinar on NDLI in Indian Languages held on 12 July 2021 organized by the P N Panicker Foundation in collaboration with NITI Aayog, Ministry of Education, National Digital Library of India, Govt. of Kerala and P N Panicker Vigyan Vikas Kendra.
- 5) Participated in the Webinar on How to Achieve Universalization of Education through Reading/ Digital Reading? held on 05 Jul 2021 organized by the P N Panicker Foundation in collaboration with NITI Aayog, Ministry of Education, National Digital Library of India, Govt. of Kerala and P N Panicker Vigyan Vikas Kendra.
- 6) Participated in the Webinar on Cloudful of Stories - A Storytelling Session held on 02 July 2021 organized by the P N Panicker Foundation in collaboration with NITI Aayog, Ministry of Education, National Digital Library of India, Govt. of Kerala and P N Panicker Vigyan Vikas Kendra.

Sucheta Prabhudesai – Asst. Librarian

- 1) Participated in National Webinar Series on Challenges and Opportunities for Library and Information Centres amidst Covid-19 Conundrum from 16<sup>th</sup> August to 20<sup>th</sup> August 2021, Jointly Organised by Mahatma Education Society’s Pillai HOC College of Arts, Science and Commerce and Pillai College of Arts, Commerce and Science-Autonomous.
- 2) Issues and Concerns Webinar on Role of Libraries during Pre & Post Covid-19 Pandemic 28th August 2021 Jointly Organised by International Institute for Population Sciences (IIPS) and Bombay Science Librarians Association (BOSLA)
- 3) Participated in One Day One Day State Level Workshop on “NAAC-Library Documents Management” on 14th September 2021 organized by SHIVAJI UNIVERSITY COLLEGE LIBRARIAN ASSOCIATION
- 4) Participated in the Webinar on Importance and Role of NDLI Club in Reading Held on 25th June 2021 organized by the P N Panicker Foundation in collaboration with NITI Aayog, Ministry of Education, National Digital Library of India, Govt. of Kerala and P N Panicker Vigyan Vikas Kendra.

Compilers:

Ms. Chinmayee Bhangе

Ms. Sucheta Prabhudesai

Ms. Priya Karunakaran – Asst. Prof. – CMPN

Ms. Snehal Lopes – Asst. Prof. – ExTC

Ms. Priyanca Gonsalves – Asst. Prof. – INFT

Mr. Yunus Dalal – Asst. Prof. – MECH

Ms. Varsha Thandasarry – Asst. Prof. – ELEC