



# **BITS-N-BYTES**

**A Bi-Annual Newsletter of St. Francis Institute of Technology**

**January to June 2023**





## **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 4<sup>th</sup> International Conference on Communication Systems, Computing and IT Applications (CSCITA-2023) (Conference record #55725) was organized successfully on March 31<sup>st</sup> and April 1<sup>st</sup>, 2023 at the St. Francis Institute of Technology (SFIT), Mumbai. The conference was technically co-sponsored by the IEEE and the IEEE Bombay Section. Also, the conference was approved by the University of Mumbai. CSCITA-23 was chaired by Dr. Prachi Raut, Head and Professor, Department of Information Technology, SFIT and co-chaired by Dr. Ravindra Chaudhari, Associate Professor, Department of Electronics and Telecommunication, SFIT. Dr. Santosh Chapaneri acted as the publication chair while Dr. Anjali Chaudhari was the treasurer.



The conference program included technical paper presentations, plenary talks and a panel discussion. In total 148 papers were submitted for submission in 5 tracks, namely, Communication and Networking, Applied Computing and IT, Software and Process Engineering, Signal Processing and Smart Cities. TPC chair Dr. Vivek Agarwal along with other TPC members Dr. S.N. Merchant, Dr. Faruk Kazi, Dr. Uday Pandit Khot, Dr. Sheldon Williamson, Dr. Amir Purabdollah and Dr. Sudi Mungkasi gave their valuable guidance on various aspects of paper selection. Microsoft CMT was used for paper submissions and processing and *ithenticate* was used for plagiarism checking. Out of all the submitted papers 43 were selected for presentation. Each submitted paper was critically reviewed by at least 3 reviewers. Total 104 reviewers from academia and industry were on the review panel. Conference track chairs Dr. Santosh Chapaneri, Dr. Ravindra Garmode, Dr. Minal Lopes, Dr. Vaishali Jadhav and Ms. Vandana Patil worked tirelessly to ensure quality of the papers being published at the CSITA-23. The presented papers are available on [ieeXplore](https://ieeexplore.ieee.org/xpl/conhome/10104519/proceeding).

(URL: <https://ieeexplore.ieee.org/xpl/conhome/10104519/proceeding>).



CSCITA-23 received 43 author registrations as well as 5 attendee registrations. The registration committee headed by Mr. Rajkumar Shende and Ms. Shree Jaswal. The committee has taken care of online registrations, registration kits and receipts. The conference website was developed and managed

by Mr. Johnsnosn Pen, Ms. Srushti Shinde and Mr. Rohan Vanmali. The publicity was handled by Dr. Adil Sheikh and the marketing tasks were managed by Mr. Wilson Pinto. Logistics was handled by Mr. Bysnai M. and Mr. Shamshuddin Khan.



The conference program was finalized by Program committee convenor Dr. Vaishali Jadhav and Dr. Vaqar Ansari along with Hospitality committee convenors Ms. Dakshata Panchal and Ms. Arti Bhatnagar. Total 42 papers were presented in 9 technical sessions.

The sessions were chaired by well known academicians and industry representatives including Dr. Saurah Mehta, Dr. T.S. Rathore, Dr. Amiya Tripathi, Dr. Satish Varma, Dr. Nupur Giri, Mr. Milind Joshi, Dr. Shashikant Patil, Mr. Devesh Rajdhyax, Dr. Shubhangi Vaikole. Each presenter was given 10 minutes for presentation followed by 5 minutes for Q and A. The plenary talks – “Semiconductor Packaging: Key to Technology Advancement” by Dr. Sameer Mahajan, Packaging Architect and Design Lead, Intel *Inc.* and “The embodied elephant in the Room - AI beyond ChatGPT” by Dr. Satyanarayana Raghavachary, Associate Professor, CS Practice at University of Southern California were well received by the conference attendees.



Inaugural function took place on 31<sup>st</sup> March 2023 at the SFIT auditorium. Dr. Vivek Agarwal, Professor, IIT Bombay and Mr. Amit Kumar, Project Director, Mott McDonald graced the occasion as the chief guest and guest of honor. Dr. Agarwal gave a valuable guidance to budding engineers and researchers through his speech while Mr. Amit Kumar elaborated various IoT use cases emerging in smart city projects. A panel discussion on “Fostering Collaboration between Industry and Academia through Policy and Practices’ was organized on 1<sup>st</sup> April 2023. Dr. R.K. Shevgaokar, Professor Emeritus, IIT Bombay, Dr. B. Satyanarayana, Scientific Officer (H), TIFR, Dr. Devesh Rajadhyax, Founder and CEO, Cere Labs, Dr. Sincy George, Principal SFIT, Moderator: Dr. Deepak Jayaswal, Dean Academics, SFIT participated in this engaging panel discussion.

The panel discussion was followed by the valedictory ceremony. Dr. R.K. Shevgaokar and Dr. B. Satyanarayana gave away the certificates to the authors. Also, Best Paper and Best Presenter awards were given. The conference ended with the valedictory ceremony. The organizers are thankful to IEEE and IEEE Bombay Section for their constant support and guidance.

## DEPARTMENT OF INFORMATION TECHNOLOGY

### Department Vision

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

### Department Mission

- To become unit of excellence in teaching, training, research, innovative application and extension work in IT in co-operation with various other departments.
- To make knowledge and expertise accessible with various dissemination strategies, including networking with research unit, colleges, government and industry along with the motivation for self-learning.
- To integrate teaching, research and practice along with higher education for generation and application of knowledge in line with emerging needs of industry, technical quality with market driven professional pursuits, programs, courses, collaboration.
- To develop entrepreneur skills along with ethical and professional values among the students.

### Departmental Achievements

- 3 teams comprising INFT department students received prizes in GENESIS 2022 – a hackathon organized by SFIT's Skill Development Cell



1<sup>st</sup> Position: Hemant Mistry, Deep Kotian, Rushi More and Rangel Koli



2<sup>nd</sup> Position: Vighnesh Mestry, Chris Dias, Mustafiz Ansari



3<sup>rd</sup> Position: Viral Soni, Priya Jain, Ashish Yadav

- Mr. Chris Dias and Mr. Vighnesh Mestry of SE INFT participated in a 36-hour hackathon at the Purnima University Jaipur along with 2 students from CMPN department. They won the first prize amongst 126 participating groups.



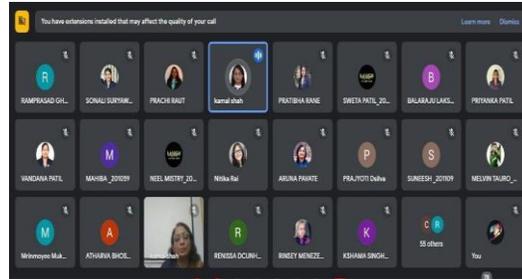
- 11 research papers authored by the department's faculty and students were published in CSCITA-23

## 2) Individual Achievements

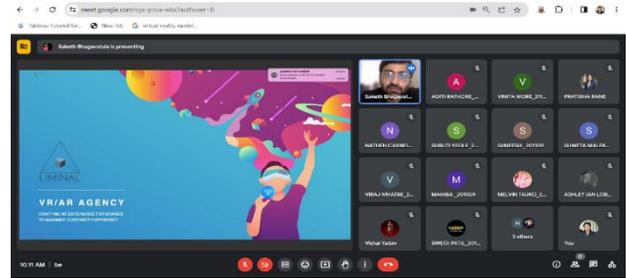
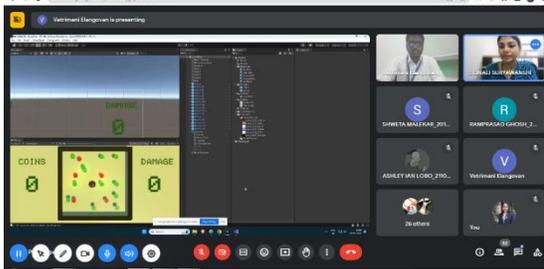
- Dr. Vaishali Jadhav has received approval as a PhD guide from Mumbai University.
- Dr. Joanne Gomes secured top rank in NPTEL examinations for two courses namely - n
- Ms. Mrinmoyee Mukherjee received the best paper award in the Communication and Networking track at CSCITA-23 for the paper "Evaluation of illumination and received power for realistic LED layout for indoor VLC"
- Dr. Aruna Pavate and Ms. Vijayalaxmi Balaraju published a book chapter in "Futuristic Trends in Computing Technologies and Data Sciences"
- Mr. Shubham Shettigar of BE INFT has scored 600 marks in the GATE exam 2023 with AIR 1267. Also Mr. Jay Rathod of BE INFT scored 498 marks with AIR 3067

## 3) Departmental Activities

- 30 hours value added course was conducted from 27<sup>th</sup> June 2023 to 1<sup>st</sup> July 2023 on "Learning CG in the World of AR-VR" for final year students of the department. Ms. Sonali Suryawanshi and Ms. Pratibha Rane co-ordinated this activity.

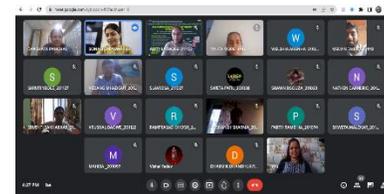


Dr. Kamal Shah Delivering session on Opportunities, Trends and recent Developments in ARVR



Mr. VetMr. Vetrimany Delivering session on Unity Software

Mr. Saketh Bhagvatula giving Latest application developments by his company Liminal



Tracking and computer Vision in ARVR  
by Mrs. Shabana Pathan

Mrs. Dakshata Panchal Delivering a session on OPENGL

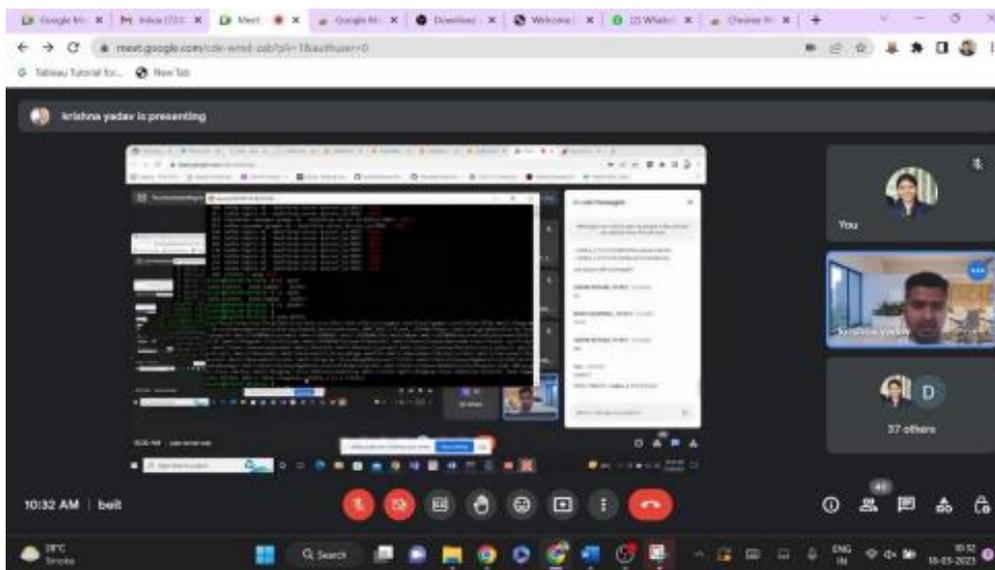
Project topic selection workshop was conducted for final year students 20<sup>th</sup> April 2023. Resource person : Mrs. Amrita Mathur



- A seminar on “Result Analysis” was conducted by Dr. Aruna Pavate. Project co-ordinators Dr. Nitika Rai and Ms. Amrita Mathur organized these events.
- A Seminar on “Ethics in technical writing” was conducted by Dr. Minal lopes for Final year students. Ms. Amrita Mathur organized the event.



- A Hands-on workshop on KAFKA on real time data streaming analytics ” by Mr Krishnakumar Yadav, senior manager, Kotak Mahindra securities was conducted for Final year students. it was organized by Mrs.Sonali Suryawanshi



- INFT department's annual colloquium IT for Society was conducted on 12th- 13th April 2023. The theme for this year was "IT in Wellness". Mrs. Prachi Darshetkar, Chief Manager- Bio-

medical Engg from Kokilaben Ambani Hospital was present as a chief guest for the inaugural ceremony. SE, TE and BE students showcased their hardware/software projects at the colloquium. Dr. Joanne Gomes and Ms. Grinal Tuscano were the coordinators for this event.



Final year colloquium winner 2023 for project Virtual Exhibition platform - Mariam, Monik Kaole, Dhruv Dave, Christina Noronha



Third year Winner Ramprasad Ghosh, Malekar Shweta and Nidhi Sawant for Project Emergency Vehicle Detection system.



Second year winner Lobo Rylen, Niban Mohammad Anas, Sherwin Reinzo, Chauhan Smith on project Muscle Manual



Industrial visit was organized for third year students to Arvind Mehta Technology and Entrepreneurship Center Mumbai on 23rd March 2023.



Industrial Visit for second year students was organized by dept to ISRO Space Exhibition at VJTI on 24th February 2023

#### 4) Individual Activities

- Dr. Aruna Pavate conducted STTP session on Application of AI & ML in Societal benefits" in "Concepts and applications of Artificial Intelligence Subfields" at the Thakur College of Engineering on 6<sup>th</sup> January 2023
- Ms. Sonali Suryawanshi conducted a hands-on session on Tableau on 22<sup>nd</sup> February 2023. Teaching and non-teaching staff of SFIT attended the session.



### Workshops / Conferences Attended

Sr. No.	Faculty Name	Dates	Workshop/ Conference/ FDP/STTP/CBP/Seminar	Organizers
1	Dr. Prachi Raut	22/05/2023-27/05/2023	Cloud Computing	IEEE Bombay Section and G.H.Raisoni CoE
2	Dr. Prachi Raut	23/07/2023-01/07/2023	Sustainable Development Through Traditional Ways	IEEE Bombay Section and Thakur College of Engineering and Technology
3	Dr. Joanne Gomes	02-01-2023 - 31-03-2023	Python for data Science	NPTEL, IIT KGP
4	Dr. Joanne Gomes	02-01-2023 - 31-03-2023	Blockchain and its Applications	NPTEL, IIT KGP
5	Dr. Joanne Gomes	02-01-2023 - 31-03-2023	Internet of Things	NPTEL, IIT MADRAS
6	Dr. Nitika Rai	10-02-2023	10th Industry Institute Symposium- " Deploying 21st Century Skills for Glocal Opportunities"	Thakur College of Engineering
7	Dr. Vaishali Jadhav	19/6/2023-01/7/2023	IEEE sponsored FDP on Next Generation Solutions: Harnessing the Power of Blockchain and AI	SFIT in collaboration with XIE and SJCEM
8	Dr. Minal Lopes	19/6/2023 - 24/6/2023	National Level CBP program on "Cybersecurity and Forensics"	K.J. Somaiya Institute of Technology, Sion Mumbai and Ramrao Adik Institute of Technology, Nerul Mumbai
9	Ms. Vandana Patil	22-05-2023 – 26-05-2023	Incorporating Universal Human Values in Education	AICTE
10	Ms. Shree Jaswal	19/6/2023-01/7/2023	IEEE sponsored FDP on Next Generation Solutions: Harnessing the Power of Blockchain and AI	SFIT in collaboration with XIE and SJCEM
11	Ms. Amrita Mathur	02-01-2023 - 07-01-2023	Blockchain and DLT	Xavier's Institute of Technology
12	Ms. Amrita Mathur	26-06-23 - 30-06-23	Unearth the Secrets of Natural Language Processing	Vidyalankar Institute of Technology

13	Ms. Grinal Tuscano	19/6/2023-01/7/2023	IEEE sponsored FDP on Next Generation Solutions: Harnessing the Power of Blockchain and AI	SFIT in collaboration with XIE and SJCEM
14	Ms. Grinal Tuscano	19/6/2023 - 24/6/2023	National Level CBP program on "Cybersecurity and Forensics"	K.J. Somaiya Institute of Technology, Sion Mumbai and Ramrao Adik Institute of Technology, Nerul Mumbai
15	Ms. Mrinmoyee Mukherjee	02/05/2023 - 07/05/2023	Blooming research areas under IOT-360 degree view	SFIT, M.H. Saboo Siddik COE, GF's Godavari COE in association with IEEE Bombay section
16	Ms. Mrinmoyee Mukherjee	05-06-2023 - 09-06-2023	Introductory Course on IOT	TIH, IIT Bombay
17	Ms. Priya Chaudhari	19/6/2023-01/7/2023	IEEE sponsored FDP on Next Generation Solutions: Harnessing the Power of Blockchain and AI	SFIT in collaboration with XIE and SJCEM
18	Dr. Aruna Pavate	13-02-2023-17-02-2023	Advanced Excel with Data Visualization	MeitY and IIT Kanpur
19	Dr. Aruna Pavate	20/02/2023-24/02/2023	Cyber Security	MeitY and IIT Kanpur
20	Dr. Aruna Pavate	27-02-2023 - 04-03-2023	IOT & Drone	MeitY and IIT Kanpur
21	Ms. Sonali Suryawanshi	02-01-2023 - 07-01-2023	Building solutions with no code AI and machine learning	Thakur College of Engineering
22	Ms. Pratibha Rane	02-01-2023 - 07-01-2023	Building solutions with no code AI and machine learning	Thakur College of Engineering
23	Ms. Pratibha Rane	20-03-2023 - 24-03-2023	Data Analytics using Power BI	G Narayanamma Institute of Technology and Science
24	Ms. Priyanka Patil	02-01-2023 - 07-01-2023	Building solutions with no code AI and machine learning	Thakur College of Engineering
25	Ms. Priyanka Patil	19/6/2023-01/7/2023	IEEE sponsored FDP on Next Generation Solutions: Harnessing the Power of Blockchain and AI	SFIT in collaboration with XIE and SJCEM
26	Ms. Vijayalaxmi B.	02-01-2023 - 07-01-2023	Building solutions with no code AI and machine learning	Thakur College of Engineering
27	Ms. Vijayalaxmi B.	19/6/2023-01/7/2023	IEEE sponsored FDP on Next Generation Solutions: Harnessing the Power of Blockchain and AI	SFIT in collaboration with XIE and SJCEM

28	Ms. Garima Singh	15/05/2023-19/05/2023	Data Science and ChatGPT	KL Deemed University in collaboration with ExcelR
29	Ms. Garima Singh	19/06/2023 – 23/06/2023	Data Analyst - Everyday Learning Program.	Andhra Pradesh State Skill Development Corporation (APSSDC)
30	Ms. Garima Singh	02-01-2023 - 07-01-2023	Building solutions with no code AI and machine learning	Thakur College of Engineering
31	Ms. Akanksha Naik	19/6/2023 - 24/6/2023	National Level CBP program on "Cybersecurity and Forensics"	K.J. Somaiya Institute of Technology, Sion Mumbai and Ramrao Adik Institute of Technology, Nerul Mumbai
32	Ms. Akanksha Naik	20-03-2023 – 24-03-2023	Data Analytics using Power BI	G Narayanamma Institute of Technology and Science

#### List of Toppers of Odd Semesters (1, 3, 5 and 7)

Semester	Student Name	SGPI
III	MEETA VILAS GUND	10.00
III	MUSTAFIZ WASIULLAH ANSARI	9.87
III	GAURAV SHRAVAN PRAJAPATI	9.74
V	SHRUTI JAYANTIBHAI JAGANIYA	9.78
V	AKSHANSH RAJEEV KUMAR SHARMA	9.74
V	SHWETA DERICK MALEKAR	9.61
VII	SHUBHAM GANAPATI SHETTIGAR	9.59
VII	GIDEON NEHEMIAH HARPANAHALLI	9.32
VII	PARTH VIPUL MAGIYA	9.32
VII	NIDHI VIMAL HARIYA	9.18
VII	DEEP MADHUKAR KOTIAN	9.18
VII	SHREYA MAHESH SHETYE	9.18
VII	NIYATI SATYANARAYAN AGARWAL	9.18
VII	YASH MANOJ MAHAJAN	9.18

## DEPARTMENT OF COMPUTER ENGINEERING

### DEPARTMENT VISION

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

### DEPARTMENT MISSION

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

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

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

### Departmental Achievements

Department of Computer Engineering is accredited by NBA for three years till June 2025.

Intake of the department is increased from 120 to 180 seats.



Ms. Sara Sheikh and Mr. Jonathan Almeida won the 1<sup>st</sup> and 3<sup>rd</sup> Prizes respectively at UDACS IMARTICUS Career Carnival Mumbai University Kalina Campus.



Parth Barai, Roosewelt Antony, Parbatsingh Rajpurohit, Joel Devasia won 2nd Prize in VCET Hackathon



Mohammad Hussain Won 3<sup>rd</sup> Prize in Wilco Quest Builder Hackathon



Ojas Mhaddalkar and team Won 3<sup>rd</sup> Prize in SFIT Hackathon CodeCrush 1.0



Krishil Shah, Suryaprakash Singh, Darshan Jain, Prem Tatkari and Siddhesh Mishra Won 2<sup>nd</sup> Prize at Techniverse Hackathon

## RESEARCH AND DEVELOPMENT

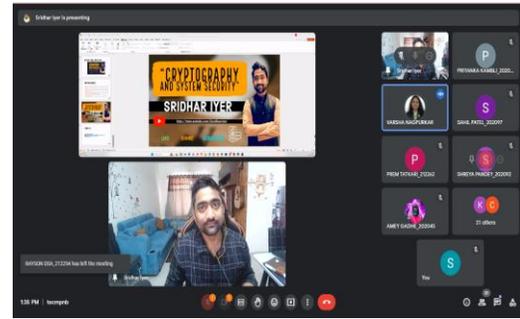


STTP on Blooming Research Areas Under IoT: A 360-Degree View was conducted from 2 to 7 May 2023 with 130 registered faculty members and Mr. Ritesh Kumar, Dr. Shashikant Patil, Mr. B.L. Bishnoi, Dr. Sujata Kulkarni, Dr. Sangeeta Chaudhary as the eminent resource persons.



Workshop on A Layman's Perspective of Personal & Professional Ethics was organized on 15<sup>th</sup> March 2023 with Dr. Vikram V. Shete, Director at uGDX School of Technology, Atlas Skilltech University as the eminent Resource Person.

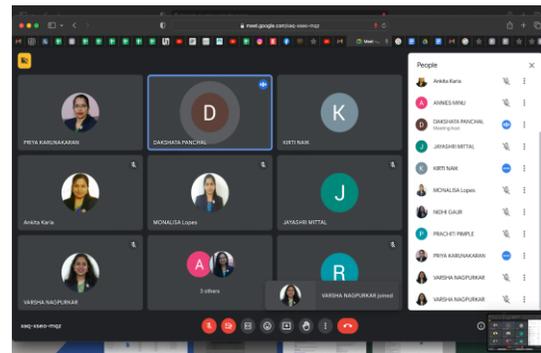
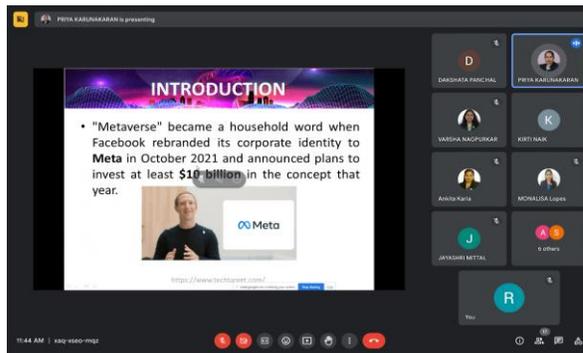
There were approximately 112 students and 3 faculty participants who attended the seminar.



Cyber Security Threat Landscape and its future by Mr. Sridhar Iyer, SVKM's Dwarkadas J. Sanghvi College of Engineering on 23<sup>rd</sup> March 2023



A Hands-on Workshop on Django on 24<sup>th</sup> March 2023 with Mr. Carl Mascarenhas and Mr. Hussain Shaikh, SFIT Students as the Resource Persons for SE CMPN students



R and D Lecture-Metaverse was conducted on 10<sup>th</sup> April 2023 with Ms. Priya Karunakaran, Assistant Professor, SFIT, Mumbai



**One Day Industrial Visit For TE CMPN Students to Securens Systems Pvt. Ltd. On 20<sup>th</sup> March 2023**

**Prakalp 2023: 5<sup>th</sup> Inter College Project Competition on 11<sup>th</sup> April 2023**



There were 3 prizes and 2 consolidation prizes and 3 prizes for round 1 were given. Following is the list of winners and there details

Prize	Prize amount (Rs.)	Title of Project	Participants	College name
1st Prize	4500	Digital Odontology	Linesh Patil, Divya Jain Jainish Sakhidas, Nikhil Arethiya	Shah And Anchor Kutchhi Engineering College
2nd Prize	3500	Summarization of video clips using Subtitles	Rane Janhavi, Deepak Swati Eleesa Anil, Sherine Sebastian, Janice Johnson	St. Francis Institute of Technology
3rd Prize	2500	Active suspension using PID control	Ritesh Vishwakarma Aditya Bende, Mayuresh Vedhekar, Antara Panchal	Atharva College of Engineering
Consolation Prize 1	1000	NeuralBee - A Beehive health monitoring system	Mahajan Yash Manoj Yogita Deep Mehta Joel Miranda Ron Pinto	St. Francis Institute of Technology

Consolation Prize 2	1000	Smart Drishti	Madnani Bhavesh Kamlesh Shewaramani Jatin Naresh Karwariya Utkarsh Narayan	Thadomal Shahani Engineering College
Prakalp Round 1 1st Prize	1000	Summarization of Video Clips Using Subtitles	Rane Janhavi Deepak Swati, Eleesa Anil Sherine Sebastian Janice Johnson	St. Francis Institute of Technology
Prakalp Round 1 2nd Prize	800	SOLCON - Automated Tool for Auditing Smart Contracts in Solidity	Menon Karthik Jayaprakash Nayak Ryan Prakash Merciana Pasalapudi Siddharth Rayudu Sr Tupe Prachit Bipin Neha	St. Francis Institute of Technology
Prakalp Round 1 3rd Prize	600	BeRedy: PCOS/PCOD Diagnosis and Period Tracker	Tiwari Ashita Abhay Mamta Manjot Kaur Sokhi Anushree Poojary Lian Sequeira	St. Francis Institute of Technology

### CODEX ACTIVITY



**CodeXpress 6.0** - CodeXpress is the annual flagship competition held by CODEX-SFIT and CODECHEF SFIT Chapter. The event's sponsors for this year were CodeChef and RB Cafe. This competition was organized for participants from all branches and all years in SFIT. It was conducted on 13th April 2023 from 11.15 am to 1.15 pm for 3 hours. The

competition was conducted on CodeChef Platform. There were a total of 95 participants in this competition.

#### Winners:

SR NO	Name Of Winner	Place
1	Mushal	1st
2	Alvin Solomon	2nd
3	Nigel Colaço	3rd
4	Ajaykumar Nadar	FE

#### Codex Contribution for IRIS 2023

Codex team created an application similar to Alpha Protocol which contained a storyline themed to IRIS 2023, which was all about movies and TV shows and once you read the storyline you get clues at the end of it.

## 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	K. Prya Karunakaran	Concepts and applications of AI subfields	1 Jan 2023 to 7 Jan 2023	5	ISTE, organized by TCET	Online
2	Jayashri Mittal	One week ISTE approved STTP on Social Media Analytics	Jan 2 2023 to Jan 6 2023	5 days	ISTE, organized by Vivekanand Education Society's Institute of Technology, Mumbai	Online
3	Prachiti Pimple	FDP on "AI based nature inspired optimization method"	9 Jan 2023 to 14 Jan 2023	1 week	Dept of computer engineering, BNC OE, Pusad, Yawatmal	Online
4	K. Prya Karunakaran	Rnd Lecture on "Metaverse"	Apr 10, 2023	11:15 am – 1:15pm	For SFIT staff	Online
4	Ankita Karia	Capacity Building Workshop on "Next generation Solutions: Harnessing the Power of Blockchain & AI"	19th June to 1st July 2023	2 week	IEEE	SFIT
5	Jayashri Mittal	ISTE approved STTP on Social Media Analytics	Jan 2 2023 to Jan 6 2023	1 week	ISTE STTP	Vivekanand Education Society's Institute of Technology, Mumbai

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

Sr. No	Name of the faculty	STTP/ Workshop/ Seminar Conducted	Topic	Conducted for	Date
1	Nidhi Gaur	STTP	Blooming Research areas under IOT: A 360 degree view	Faculty, Research scholars	02/05/ 23 to 07/05/23
2	Shamsuddin Khan	Capacity Building Workshop IEEE Sponsered	Capacity Building Workshop on "Next generation Solutions: Harnessing the Power of Blockchain & AI	Faculty,	19th June to 1st July 2023

### DEPARTMENTAL RESEARCH ACTIVITES

Sr. No	Name of the Faculty	Name of Project
1	Ms. Ankita Karia, Ms. K. Priya	Stock management system

### MINOR RESEARCH GRANTS

Sr. No.	Name of faculty	Project Name	Sanctioned amount	Date of Proposal	Date of approval
1	Dr. Kavita Sonawane	IEEE BS sponsored STTP on Machine Learning Basics to Advnaced	36000	1 -May- 2022	June: Approval, Oct: Funds Released

### PRODUCT DEVELOPMENT/ OUTHOUSE PROJECTS

Sr. No.	Product / Project Title	Name of Faculty	Name of Students
1	Smart Sustainable Construction Lifecycle Management	Varsha Nagpurkar	Prajwal Bawankule,Sarthak Dharia,Jason Dsouza,Avnish Raut
	Smart Mobility Solution	Shamsuddin Khan	Somnath Pratik, Domingos Julio Pinto, Lester Gregory Rodrigues, Joel Dsouza
	SOLCON-Automated tool for auditing smart contracts in solidity	Rupesh Mishra	Karthik Menon, Ryan Nayak, Siddharth P, Prachit Tupe

	Linkage: Link between Police and Victim	Snehal Kulkarni	Sai Mhatre, Vishwa Mhatre, Yash Mirajkar, Riddhi Sansare
	Smart Living Solution	Nidhi Gaur	Dwarkesh Patel, Ekta Masrani, Medha Khatri, Esha Martis
	Precision Agriculture	Dr. Kavita Sonawane	Admon Aloz, Jaden Butelho, Orvil D'silva, Basil Koli, Nigel Lobo

### FACULTY PUBLICATIONS

Sr. No	Name of Faculty	Details of publication	Date of publication	Journal/ Conference
1	Dr. Kavita Sonawane	Optimization of search space division with enhanced shared memory-based utility list buffer miner with a parallel framework (SM-PLB) for effective high utility itemset mining	11 March 2023	International Journal of Information Technology , Springer
2	K. Priya Karunakaran	"Summarization of Video using Subtitles", CSCITA 23, 1st April 2023	2023/4/1	CSCITA 2023, SFIT
3	Ms.Varsha Nagpurkar	GuitarGuru: A Realtime Chord Detection System	31/03/2023	CSCITA 2023, SFIT
4	Mr. Sachin D. More	Review and Comparative analysis of Steganography Methodologies	17/03/2023	ICRATESM 2023 , DILKAP INSTITUTE OF RESERCH AND MANAGEMENT MUMBAI
5	Ms. Ankita Karia	BeRedy(Period Tracker and PCOS Diagnosis)	31/03/2023	CSCITA 2023, SFIT
6	Ms. Nidhi Gaur	Smart Living Solution to Optimize Building Systems for Efficient Energy Usage and Prediction	31/03/2023	CSCITA 2023, SFIT

7	Dr. Kavita Sonawane	dExCount: A decentralized cross-chain discount web app for Token Sale	31/03/2023	CSCITA 2023, SFIT
8	K. Priya Karunakaran	Optical Character Recognition Notes Applications	Apr 2023	International Journal of Innovative Research, Volume 12, Issue 4
9	Niki Modi	Comparative Analysis of Different Block Chain Technology to Improve the Security in Social Network (Book chapter)	March 23, 2023	Intelligent Computing and Networking, Springer, Singapore
10	Annie Minu S.	FurEver : Pet Adoption Platform	April 2023	International Journal of Engineering Research & Technology(IJERT),12 Issue 04,
11	Shamsuddin S. Khan	Intelligent Solution to Urban Mobility Problems	April - 2023	International Journal Of Scientific Research In Engineering And Management (IJSREM) Volume: 07 Issue: 04

**List of Toppers:**

Rebecca D'souza	BE CMPN	9.73
Tripti Nayak	BE CMPN	9.73
Medhashakti Khatri	BE CMPN	9.64
Manjot Sokhi	BE CMPN	9.45
Aditi Bane	TE CMPN	9.87
Swarali Mahimkar	TE CMPN	9.65
Roshan Nadar	TE CMPN	9.57
Shreya Pandey	TE CMPN	9.57
Yogiraj Buddhiwant	SE CMPN	10
Yashaswi Singh	SE CMPN	10
Dishant Shah	SE CMPN	10
Shibhya Kaimal	SE CMPN	9.91
Aakash Diclas	SE CMPN	9.87
Mishita Poojary	SE CMPN	9.87

## STUDENT ACHIEVEMENTS

### Bank of Baroda Achievers Award

**Ms. Rebecca Aurelia Gilbert Dsouza** of BE CMPN for Academic Excellence and **Mr. Reuben Aninda Chatterjee** of BE CMPN for being “Best in Sports”

## STUDENT ACTIVITIES

### Certified Online Courses Completed

Sr. No	Name Of Student	Class	Course title	Organizing Body (NPTEL / Coursera etc)	Duration	From Date	To Date
1.	Alex Malbin Victor	COMP Final Year B	Introduction to Power BI	DataCamp	3 Hrs	19-1-2023	19-1-2023
2.	Alex Malbin Victor	COMP Final Year B	Introduction to Dax in Power BI	DataCamp	2Hrs	20-1-2023	20-1-2023
3.	Alvin Alexander Solomon	COMP Final Year B	Cybersecurity Roles, Processes & Operating System Security	IBM	1 Month	February 1, 2023	March 13, 2023
4.	Alvin Alexander Solomon	COMP Final Year B	Cybersecurity Compliance Framework & System Administration	IBM	1 Month	March 1, 2023	March 31, 2023
5.	Saloni Chandrash ekhar Khatu	COMP Final Year B	AI Fundamentals	IBM	1 Day	February 11, 2023 -	February 11, 2023
6.	Saloni Chandrash ekhar Khatu	COMP Final Year B	AI in Practice	IBM	1 Day	February 11, 2023 -	February 11, 2023
7.	Saloni Chandrash ekhar Khatu	COMP Final Year B	Essentials of AI and Cloud	IBM	1 Day	February 11, 2023 -	February 11, 2023

8.	Saloni Chandrash ekhar Khatu	COMP Final Year B	Hadoop 101	IBM	1 Day	January 5, 2023	January 5, 2023
9	Saloni Chandrash ekhar Khatu	COMP Final Year B	Machine Learning 1	IBM	6 Hrs	6- 1 -2023	6- 1 -2023
10	Saloni Chandrash ekhar Khatu	COMP Final Year B	Spark Fundamentals I	IBM	1 Day	January 5, 2023	January 5, 2023
11	Krishil Deepak Shah	COMP Third Year B	The Complete 2023 Web Development Bootcamp	UDEMY	65.5 Hrs	January 5, 2023	January 5, 2023
12	Nisha Gulab Bhardwaj	COMP Third Year B	Introduction to Frontend development organised	Coursera - Meta	3 Months	December 22, 2022	March 12, 2023
13	Alvin Alexander Solomon	COMP Final Year B	Cybersecurity Roles, Processes & Operating System Security	Coursera -IBM	1 Month	February 1, 2023	March 13, 2023
14	Alvin Alexander Solomon	COMP Final Year B	Cybersecurity Compliance Framework & System Administration	Coursera -IBM	1 Month	March 1, 2023 -	March 31, 2023

**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	February 10, 2023 - , February 10, 2023	UDCS Imarticus Career	Sara Abdul Mujeeb Shaikh	COMP Final Year B	Mumbai university, Kalina campus	<b>Winner 1<sup>st</sup> Prize</b>	UDCS x Imarticus Learning

		Carnival- Data Science					
2	February 10, 2023 - , February 10, 2023	UDCS Imarticus Career Carnival- Data Science	Jonathan Almeida	COMP Final Year B	Mumbai university, Kalina campus	<b>Winner 3<sup>rd</sup> Prize</b>	UDCS x Imarticus Learning
3	February 6, 2023	The chat gpt challenge- Intercollegiate event	Yash Peter Pambujya	COMP Third Year B	LR Tiwari	<b>3<sup>rd</sup> Prize</b>	CSI
4	7-Oct 2022	VCET Hackathon	Roosewelt Prabakaran Antony	COMP Third Year A	VCET	<b>Winner 2<sup>nd</sup> Prize</b>	VCET
5	7-Oct 2022	VCET Hackathon	Parth Barai	COMP Third Year A	VCET	<b>Winner 2<sup>nd</sup> Prize</b>	VCET
6	7-Oct 2022	VCET Hackathon	Joel Devasia	COMP Third Year A	VCET	<b>Winner 2<sup>nd</sup> Prize</b>	VCET
7	7-Oct 2022	VCET Hackathon	Parbat Singh Mohabbat	COMP Third Year A	VCET	<b>Winner 2<sup>nd</sup> Prize</b>	VCET
8	January 1, 2023	WILCO QUEST HACA KATON	Mohammad Hussain Mohammad Rafiq Shaikh	COMP Final Year B	WILCO	<b>3<sup>rd</sup> Prize</b>	WILCO
9	April 11, 2023	PRAKALP 2023	Eleesa Anil	COMP Final Year A	SFIT	<b>2<sup>nd</sup> Prize</b>	SFIT
10			Sherine Sebastian				
11			Janice Johnson				
12			Janhavi Rane				
13	April 11, 2023	PRAKALP 2023	Mahajan Yash Manoj		SFIT		SFIT

14			Yogita Deep Mehta	COMP Final Year A		<b>Consolation Prize 1</b>	
15		Joel Miranda					
16		Ron Pinto					
17	24 <sup>th</sup> June 2023 till 25 <sup>th</sup> June 2023	Technoverse Hackathon	Krishil Shah	COMP Third Year B	Online	<b>2<sup>nd</sup> Prize</b>	Google Developer Students Club, Mar Baselios College of Engg. And Tech. Thiruvananthapuram
18			Suryaprakash Singh				
19			Darshan Jain				
20			Prem Tatkari				
21			Siddhesh Mishra				
22	Friday, January 6, 2023 - Sunday, January 8, 2023	Shebuilds Hackathon organised by Shebuilds	Nisha Gulab Bhardwaj	COMP Third Year B	Online	Participated	SheBuilds
23	January 28, 2023 - January 29, 2023	Bit N Build Hackathon	Riddhi Rajesh Gupta	COMP Second Year B	Fr. Conceicao Rodrigues College of Engineering and Usha Mittal Institute of Technology	Participated	Google Developer Students Club
24	February 11, 2023 -	Code-a-Mania	A Maria Rex Arockiyaswamy	COMP Second Year A	Rajiv Gandhi Institute of Technology	Participated	Geeks for Geeks
25	Wednesday, March 1, 2023 - Saturday, April 1, 2023	CodeCrush 1.0- 24 Hr. Offline Hackathon	Melvina Melvin Tulji	COMP Third Year A	SFIT	Participated	SDC SFIT
26	January 28, 2023 - January 29, 2023	Bit N Build Hackathon	Melvina Melvin Tulji	COMP Third Year A	Fr. Conceicao Rodrigues College of Engineering and Usha Mittal	Participated	Google Developer Students Club

					Institute of Technology		
27	January 28, 2023 - January 29, 2023	Bit N Build Hackathon	Steven Mathew Samuel	COMP Third Year A	Fr. Conceicao Rodrigues College of Engineering and Usha Mittal Institute of Technology	Participated	Google Developer Students Club
28	January 28, 2023	Solid foundational HTML, CSS, JavaScript course	Melvina Melvin Tulji	COMP Third Year A	Online	Participated	Bit Degree
29	January 28, 2023 - January 29, 2023	Bit N Build Hackathon	Parbat Singh Mohabbat Singh Rajpurohit Rajpurohit	COMP Third Year A	Fr. Conceicao Rodrigues College of Engineering and Usha Mittal Institute of Technology	Participated	Google Developer Students Club
30	January 28, 2023 - January 29, 2023	Bit N Build Hackathon	Joston Movin John Dsouza	COMP Third Year A	Fr. Conceicao Rodrigues College of Engineering and Usha Mittal Institute of Technology	Participated	Google Developer Students Club
31	March 16, 2023 - March 17, 2023	Recursion 4.0 hackathon	Jason Ralph Sampy	COMP Second Year A	RGIT	Participated	RGIT
32	April 18, 2023	MaTPO Programming Idol-2023	Alvin Alexander Solomon	COMP Final Year B	MaTPO	Participated	MaTPO association with DTE

33	April 11, 2023	Prakalp2023	Alvin Alexander Solomon	COMP Final Year B	SFIT	Participated	SFIT
34	April 13, 2023	CodeXPress 6.0	Alvin Alexander Solomon	COMP Final Year B	SFIT	Participated	SFIT
35	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Eleesa Anil	COMP Final Year A	SFIT	<b>1st Prize</b>	SFIT
36	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Sherine Sebastian	COMP Final Year A	SFIT	<b>1st Prize</b>	SFIT
37	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Janice Johnson	COMP Final Year A	SFIT	<b>1st Prize</b>	SFIT
38	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Janhavi Rane	COMP Final Year A	SFIT	<b>1st Prize</b>	SFIT
39	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Karthik Menon	COMP Final Year A	SFIT	<b>2nd Prize</b>	SFIT
40	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Ryan Nayak	COMP Final Year A	SFIT	<b>2nd Prize</b>	SFIT

41	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Siddharth P	COMP Final Year A	SFIT	<b>2nd Prize</b>	SFIT
	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Prachit Tupe	COMP Final Year A	SFIT	<b>2nd Prize</b>	SFIT
	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Anushree Poojary	COMP Final Year A	SFIT	<b>3rd Prize</b>	SFIT
	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Lian Sequeira	COMP Final Year A	SFIT	<b>3rd Prize</b>	SFIT
	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Manjot Kaur Sokhi	COMP Final Year A	SFIT	<b>3rd Prize</b>	SFIT
	31st January and 2nd February 2023.	Prakalp Round 1 Paper –Poster Presentation	Ashita Tiwari	COMP Final Year A	SFIT	<b>3rd Prize</b>	SFIT

### STUDENTS PUBLICATIONS

<b>Sr. No</b>	<b>Author's Name</b>	<b>Paper Title</b>	<b>Publication details</b>	<b>Date of publication</b>	<b>Class</b>
1	Eduardus Hardika Sandy Atmaja	Optimization of search space division with enhanced shared memory-based utility list buffer miner with a parallel framework (SM-PLB) for effective high utility itemset mining	International Journal of Information Technology , Springer	11 March 2023	Research Scholar

2	Eleesa Anil	Summarization of Video using Subtitles	International Conference on Circuits, Systems, Communication and Information Technology Applications (CSCITA) 2023	1st April 2023	BE CMPN A
3	Sherine Sebastian				
4	Janice Johnson				
5	Janhavi Rane				
6	Neha Pattankar	GuitarGuru: A Realtime Guitar Chords Detection System	International Conference on Circuits, Systems, Communication and Information Technology Applications (CSCITA) 2023	1st April 2023	BE CMPN A
7	Tripti Nayak				
8	Allan D'Souza				
9	Nipun Henriques				
10	Anushree Poojary	BeRedy (Period Tracker & PCOS Diagnosis)	International Conference on Circuits, Systems, Communication and Information Technology Applications (CSCITA) 2023	1st April 2023	BE CMPN A
11	Ashita Tiwari				
12	Lian Sequeira				
13	Manjot Kaur Sokhi				
14	Ekta Masrani	Smart Living Solution to Optimize Building Systems for Efficient Energy Usage and Prediction	International Conference on Circuits, Systems, Communication and Information Technology Applications (CSCITA) 2023	1st April 2023	BE CMPN A
15	Dwarkesh Patel				
16	Medhashakti Khatri				
17	Esha Martis				
18	Yogesh Singh Noyal	dExCount: A decentralized cross-chain discount web app for Token Sale	International Conference on Circuits, Systems, Communication and Information Technology Applications (CSCITA) 2023	1st April 2023	BE CMPN A
19	Durgesh Palekar				
20	Harshit Shetty				
21	Vivek Pinto				

22	Vaibhavi Welis	FurEver: Pet Adoption Platform	International Journal of Engineering Research & Technology(IJERT),12 Issue 04,	April 2023	BE CMPN A
23	Mayuri Sonawane				
24	Samarth Naikdhure				
25	Aaron Nelson				
26	Somnath Pratik	Intelligent Solution to Urban Mobility Problems	International Journal Of Scientific Research In Engineering And Management (IJSREM) Volume: 07 Issue: 04	April - 2023	BE CMPN B
27	Domingos Julio				
28	Lester Gregory Rodrigues				
29	Joel Dsouza				

#### LIST OF STUDENTS WHO COMPLETED INTERNSHIPS

Sr. No	Student's Name	Class / Sem / Div	Industry Worked with	Start date	End Date	Duration (Weeks/ Months)
1	Cimmona Costand Pereira	COMP Third Year B	Internship Participation on Business Analytics Experience program organised by Finlatics	December 8, 2022	January 27, 2023	2 Months
2	Saloni Chandrashekhar Khatu	COMP Final Year B	Internship Attended on IBM SkillsBuild organised by IBM	February 6, 2023	February 20, 2023	3 Weeks
3	Krishil Deepak Shah	COMP Third Year B	Internship Participation on Web Development Intern organised by CodeClause	February 1, 2023	March 1, 2023	1 Month
4	Krishil Deepak Shah	COMP Third Year B	Internship Participation on Web Development Intern organised by Oasis	March 1, 2023	April 1, 2023	1 Month

5	Krishil Deepak Shah	COMP Third Year B	Internship Participation on Web Development Intern organised by LetsGrowMore	March 1, 2023	April 1, 2023	1 Month
6	Melvina Melvin Tulji	COMP Third Year A	Internship Participation on Code Clause organised by Code Clause	March 1, 2023	April 1, 2023	1 Month
7	Suryaprakash Subhashchandra Singh	COMP Third Year B	Internship Attended on Node JS-Backend Development (Brainvire) organised by SFIT	December 19, 2022	January 18, 2023	1 Month
8	Siddesh Shyamsundar Mishra	COMP Third Year B	Internship Participation on Web Development Internship organised by CodeClause	March 1, 2023	April 1, 2023	1 Month

## DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

### DEPARTMENT VISION:

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

### DEPARTMENT MISSION:

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

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

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

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

### Workshop/Seminar/Conference Attended( Jan-Jun 23)

Sr. No.	Name of the Faculty	Title of the Workshop/Seminar/Conference	Organizing Body
1	Ramjee Yadav	Machine Learning: Basic to Advanced	Organized by SFIT in collaboration with XIE and SJCET (sponsored by IEEE Bombay Section and EAC-IEEE Bombay Section)
2	Ms Savita Kulkarni	Machine Learning: Basic to Advanced	Organized by SFIT in collaboration with XIE and SJCET (sponsored by IEEE Bombay Section and EAC-IEEE Bombay Section)
3	Ms. Renia Dias	Machine Learning: Basic to Advanced	Organized by SFIT in collaboration with XIE and SJCET (sponsored by IEEE Bombay Section and EAC-IEEE Bombay Section)

4	Ms. Valentina Rani	Machine Learning: Basic to Advanced	Organized by SFIT in collaboration with XIE and SJCET (sponsored by IEEE Bombay Section and EAC-IEEE Bombay Section)
5	Ms. Prerna Kushe	Machine Learning: Basic to Advanced	Organized by SFIT in collaboration with XIE and SJCET (sponsored by IEEE Bombay Section and EAC-IEEE Bombay Section)
6	Ms. Monika Cheema	Machine Learning: Basic to Advanced	Organized by SFIT in collaboration with XIE and SJCET (sponsored by IEEE Bombay Section and EAC-IEEE Bombay Section)

**Faculty Publications (Jan to Jun 2023)**

Sr. No	Author's Name	Paper Title	Publication details
1	Mrinmoyee Mukherjee, Kevin Noronha	Evaluation of illumination and received power for realistic LED layout for indoor VLC	International Conference on Communication System, Computing and IT Applications (CSCITA 2023), May 2023
2	Savita Kulkarni	“Environment Adaption Technology for Indoor large Scale Farming”	UGC Care Group II Journal, GIS Science Journal, Scopus Active Journal & UGC Approved, volume 10 issue 1 Jan 2023 Page No: 25-29, <a href="http://www.gisscience.net/VOLUME-10-ISSUE-1-2023/">http://www.gisscience.net/VOLUME-10-ISSUE-1-2023/</a>

**Invited talk (Jan- Jun 2023)**

<b>Sr. No.</b>	<b>Name of the Faculty</b>	<b>Title of Workshop/Seminar/Conference</b>	<b>Organizing Body</b>
1.	Ms. Shilpa Chaman	"Conducted a 30 hour embedded workshop in “BRIDGING THE EDUCATIONAL GAP IN EMBEDDED SYSTEMS”, 29 May 2023 -2 June 2023.	SFIT, Mumbai.

## DEPARTMENT OF MECHANICAL ENGINEERING

### DEPARTMENT VISION

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

### DEPARTMENT MISSION

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

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

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

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

### **Blue Star Centre of Excellence and Hands on Practice Session on HVAC&R**

Inaugural Function of the **Centre of Excellence (COE) in HVAC&R sponsored by Blue Star Limited** was held on May 2, 2023

The centre is equipped with the latest Comfort Air Conditioning Machines. In the near future, we will conduct **Train the Trainer** Courses for the benefit of all the SFITians and many courses for our students.



The first training program – the ‘Hands-on practice session on HVAC&R’ was conducted by the Blue Star - Centre of Excellence in SFIT. The session was conducted for final year students of mechanical and electrical engineering students on May 30<sup>th</sup> and 31<sup>st</sup> 2023 in room no. 135.

The first day session was attended by 16 students and second day session was attended by 07 students. The session was delivered by Mr. Sushil Harna (Deputy Manager training center) and Kevi Iruthayaraj (Manager Service specialist).

## **A. Teaching Faculty achievements**

### **1. Courses Completed**

<b>Name of Faculty</b>	<b>Course Title</b>	<b>Duration</b>	<b>Organized by</b>
Yunus Dalal	Quality Assurance in Higher Educational Institutes by using Open Educational Resources	2 Days	Theem College of Engineering (NAAC Sponsored)
Ravindra Garmode	Optimum Design: Principles and Application	1 week	NIT Agartala

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

<b>Name of Faculty</b>	<b>Course Title</b>	<b>Duration</b>	<b>Organized by</b>
Farhat Khan	Research Potential in the field of Solar Energy	5 Days	DME, SFIT (ISTE Approved)
Bysani Malakondiah	Research Potential in the field of Solar Energy	5 Days	DME, SFIT (ISTE Approved)
Sanjay Ghaskatta	Research Potential in the field of Solar Energy	5 Days	DME, SFIT (ISTE Approved)
Yunus Dalal	Research Potential in the field of Solar Energy	5 Days	DME, SFIT (ISTE Approved)
Yunus Dalal	Engineering Research Methodology	5 Days	Anjuman-I-Islam's M. H. Saboo Siddik Polytechnic
Sunil Pansare	FDP on Advanced Maintenance Practices and Vibration Diagnostics	1 Week	FCRIT, Vashi
Neha M Valse	FDP on Product Design and Manufacturing	12 Weeks	NPTEL, IIT Madras

Neha M Valse	FDP on “Inculcating Universal Human Values in Technical Education”	1 Week	AICTE
Magesh Nadar	FDP on "Mechanics of Fiber Reinforced Polymer Composite Structures"	12 Weeks	NPTEL
Ravindra Garmode	Effective Engineering Teaching in Practice	4 Weeks	NPTEL - AICTE
Rohit Patil	Next Generation Solutions: Harnessing the Power of Blockchain and AI	2 Weeks	SFIT- IEEE
Vikrant Bhatia	Next Generation Solutions: Harnessing the Power of Blockchain and AI	2 Weeks	SFIT- IEEE
Nilesh Gaddapawar	Next Generation Solutions: Harnessing the Power of Blockchain and AI	2 Weeks	SFIT- IEEE

## **B. Student achievements**

### **1. Internship Completed**

<b>Name of Student</b>	<b>Organization</b>	<b>Class</b>	<b>Date</b>	<b>Duration</b>
Arjun Bedi	Intrainz Robotics	TE	June 12, 2023	40 Days

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

<b>Name of Student</b>	<b>Organization</b>	<b>Class</b>	<b>Date</b>	<b>Specialization</b>
Vaishnavi Palkar	Microsoft	TE	4th May, 2023	Microsoft Certified- Azure AI Fundamentals (AI-900)
Vaishnavi Palkar	Udemy	TE	20th April 2023	Machine Learning and Data Science Bootcamp 2023
Arjun Bedi	Internshala	TE	25th May, 2023	Arduino UNO, 3D printing, and MATLAB
Arjun Bedi	SourceCAD	TE	2nd June, 2023	Fusion 360
Chirag Khedekar	Udemy	TE	17th July 2023	Theory of Road Vehicle Motion
Vishal Chotaliya	Coursera	TE	26th May 2023	Developments of Structural Dynamics
Vishal Chotaliya	Coursera	TE	27th May 2023	Additive Manufacturing

### 3. Competition

Sr. No.	Type of Activity	Name of Activity	Duration	Organized by
1	Gatee SFIT	10th Go Kart Design Challenge	4 days	ISNEE Motorsports
2	Tejas SFIT	AeroTHON 2023	1 day	SAEIndia

### C. Activities Conducted by Department

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

Sr. No.	Type of Activity	Name of Activity	Beneficiaries	Date
1.		R&D Lecture by Sunil Pansare	SFIT Staff	Apr 5, 2023
2.	Competition	10th Go Kart Design Challenge organized by ISNEE Motorsports	Gatee SFIT	4 Days
3.	Competition	AeroTHON 2023 organized by SAE India	Tejas SFIT	1 Day
4.	Industrial Visit	Mahagenco Ltd., GTPS, Uran	TE students	1 Day
		Laxmi Group, Aurangabad	SE, TE and BE students	3 Days
5.	Yantriki Event	DESIGN CHALLENGE: Automation in Material Handling System	SE, TE and BE students	March 15, 2023
		PANEL DISCUSSION: Automation in Material Handling System		

MESA SFIT organized “**यांत्रिकी...A key to success!!**” on 15<sup>th</sup> March 2023

**यांत्रिकी** ...A key to future!! is the flagship event of MESA SFIT. **यांत्रिकी**, meaning the study of mechanics, hence as the name suggests the event was organized with a goal of providing students a key to explore the various opportunities available to them within Mechanical stream and give them a clear vision of the current industry scenario and the expected quality of graduates to enter the industry.

DESIGN CHALLENGE: Automation in Material Handling System” on 15th March 2023



The design challenge was the second segment of the event. The judges for the event were Prof. Sanjay Ghaskatta and Prof. Magesh Nadar. The objective of the design challenge is to enhance the competitive spirit, problem solving approach and perspective thinking of students that will help

them learn and inspect new concepts in CAD designing which is a major subject in the study of mechanical engineering.



**PANEL DISCUSSION: Automation in Material Handling System on 15<sup>th</sup> March 2023**

Resource Persons: **Mr. Chandrashekhar Nehate and Mr. Hardik Kamani**

**Team Gatee SFIT**



Team Gatee SFIT is the official Go-karting team of St. Francis Institute of Technology under MESA. Team Gatee was formed in the year 2019 and our team consists of young and enthusiastic budding engineering students from various streams working towards the design and manufacturing of Go-Karts to participate in National Level Competition.

Go Kart Design Challenge formerly known as National Go Kart Championship is a competition initiated by ISNEE to offer teams the maximum design flexibility and the freedom to express their creativity and imaginations with very few restrictions on the overall kart design. The challenge to

teams is to develop a kart (CV and EV) that can successfully compete in all the events described in the GKDC Rulebook.

**Team Gatee SFIT** secured **1<sup>st</sup> Place** in Business Plan Category, **Best Female Participant** in CV Category, **5<sup>th</sup> Place** in Overall Competition in **10th Go Kart Design Challenge** organized by **ISNEE Motorsports** at National Level from April 10, 2023 to April 13, 2023

### List of Team Members and Faculty Advisors

<b>Sr. No</b>	<b>Name of Student</b>	<b>Designation</b>	<b>Name of Department</b>
1.	Mr. Yunus Dalal	Faculty Advisor	Mechanical
2.	Mr. Rohit Patil	Faculty Advisor	Mechanical
3.	Mr. Vikrant Bhatia	Faculty Advisor	Mechanical
4.	Mr. Harish Arekar	Faculty Advisor	Mechanical
5.	Prathamesh Kadam	Team Captain	TE Mechanical
6.	Anish Karbhari	Team Manager	TE EXTC
7.	Anish Gorhe	Student Advisor	BE Mechanical
8.	Krish Solanki	Manufacturing Head	TE Mechanical
9.	Leon Lopes	Deputy Manufacturing Head	TE Mechanical
10.	Isha Lagad	Marketing Head	TE Mechanical
11.	Utkarsh Kankaria	Deputy Marketing Head	TE Mechanical
12.	Neil Khade	Design Head	TE Mechanical

13.	Vignesh Arumugam	Deputy Design Head	TE Mechanical
14.	Kalpesh Patel	Team Member (Manufacturing)	TE Mechanical
15.	Jonathan D'cruz	Team Member (Manufacturing)	TE EXTC
16.	Miheer Patil	Team Member (Design)	SE Mechanical
17.	Shiva Reddy	Team Member (Design)	SE Mechanical
18.	Nachiket Ambre	Team Member (Electrical Works)	TE Electrical
19.	Abhay Maurya	Team Member (Electrical Works)	TE Electrical
20.	Aaron Fernandes	Team Member (Marketing & Publicity)	SE INFT
21.	Divyesh Panchal	Team Member (Manufacturing)	TE Mechanical
22.	Elvis Fernandes	Team Member (Manufacturing)	SE Mechanical
23.	Shivam Toraskar	Team Member (Manufacturing)	SE Mechanical
24.	Khushi Rathod	Team Member (Marketing & Publicity)	TE Mechanical
25.	Pranav Chavan	Team Member (Manufacturing)	SE Mechanical
26.	Ralden D'souza	Team Member (Manufacturing)	SE Mechanical
27.	Vaibhav Bavkar	Team Member (Manufacturing)	TE Mechanical
28.	Saileen Fernandes	Team Member (Marketing & Publicity)	SE CMPN
29.	Rutuja Shinde	Team Member (Electrical Works)	SE EXTC

## DEPARTMENT OF ELECTRICAL ENGINEERING

### DEPARTMENT VISION:

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

### DEPARTMENT MISSION:

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

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

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

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

### Departmental Achievements

#### 1. Consultancy Project from Tata Power



Team Abhyantra and Electrical Department Staff with TATA Power Officials



Team Abhyantra and SFIT Principal with the Robot

**Details:** Department of Electrical Engineering of St. Francis Institute of Technology (Engineering) Mumbai & TATA Power Company Ltd. jointly collaborated for a consultancy project “110kV Switchyard Maintenance and Monitoring Robot” on 12th August 2022. Within a time span of 6 months the project was completed and handed over to the client on 15th February 2023 & is in operation in 110kV Receiving substation, Borivali.

**2. Research Project from Science And Engineering Research Board, DST, Government of India under the Teachers Associateship For Research Excellence**

<b>Project Title:</b> Achieving Decarbonisation and Power Load Management through Smart Building Energy Management System: A model-free approach	
<b>Principal Investigator &amp; Parent Institute</b>	<b>Mentor &amp; Host Institute</b>
	
Dr. Adil Sheikh, Asst. Professor, Electrical Engineering Dept, SFIT	Dr. Vivek Agarwal, Professor (Institute chair professor), Dept of Electrical Engineering, IIT Bombay

**3. Prize in the National Level Project Competition.**

	
Second Prize in Tantragyan 2k23	Third Prize in FCRIT AVISHKAR 2023
<p><b>Project Title:</b> Real-time communication over CAN protocol in EV-HMI using ESP32 Module  <b>Student Members:</b> Anish Vedant, Kaustubh More, Ashish Cherian, and Adriel Furtado.  <b>Project Guide:</b> Ms. Josna Jose</p>	

**Won the following title:**

1. *Second Prize* at “Tantragyan 2K23”; held at Lokmanya Tilak College of Engineering Navi Mumbai on 28/3/2023.
2. *Third Prize* at National level project competition, “FCRIT AVISHKAR”; held under the institution of Engineers (India) Electrical Students Chapter on 18/3/2023 at FCRIT Vashi.

**Individual Achievements**

1. Dr. Adil Sheikh is selected as IEEE PES DAY 2023 Ambassador under the Bombay section.

**Departmental Activities**

Activities Organized by Department of Electrical Engineering and EESA

**1. Electrical Symposium 2023**



## 2. Workshop on LaTeX



Mumbai, Maharashtra, India  
B Wing, Ramchand Das Rd, Leo Peter Wadi, Borivali West, Mumbai, Maharashtra 400068, India  
Lat 19.245088°  
Long 72.857169°  
13/03/23 03:23 PM GMT +05:30



Mumbai, Maharashtra, India  
6VV4+JG6, Mandapeshwar Rd, Mandapeshwar, Borivali West, Mumbai, Maharashtra 400103, India  
Lat 19.244455°  
Long 72.856404°  
13/03/23 03:24 PM GMT +05:30

**Resource Person:** Dr Adil Sheikh

**Date:** 13th March 2023

**No of Participant:** 65

## 3. Seminar on Ethics



Mumbai, Maharashtra, India  
St. Francis Institute Of Technology, Mandapeshwar, Borivali, Mumbai, Maharashtra 400103, India  
Lat 19.243717°  
Long 72.856129°  
01/03/23 10:38 AM GMT +05:30



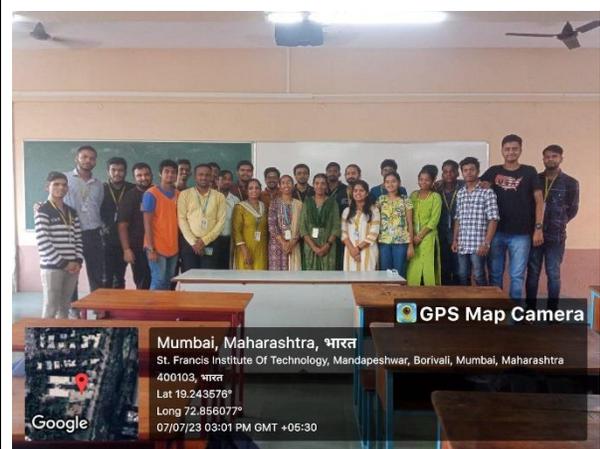
Mumbai, Maharashtra, India  
St. Francis Institute Of Technology, Mandapeshwar, Borivali, Mumbai, Maharashtra 400103, India  
Lat 19.243752°  
Long 72.856107°  
01/03/23 10:47 AM GMT +05:30

**Resource Person:** Dr. Merle Coutinho

**Date:** 1st March 2023

**No of Participant:** 170

## Value-added course on “Application of Mathematics in Electrical Engineering”



**Course Convener:** Ms. Megha Fernandes  
**Course Coordinators:** Ms Shyma K V, Mr.Omkar Pawar, Ms Varsha Thandassary  
**Course Duration:** 3<sup>rd</sup> July 2023 to 7<sup>th</sup> July 2023  
**No of Participant:** 31

### Workshops / Conferences Attended

1. Ms. Varsha Thandassary has successfully completed ISTE approved SF-STTP/FDP Programme on “**Research Potential in the Field of Solar Energy**” held during 02.01.2023 to 06.01.2023 organized by St. Francis Institute of Technology, Mumbai, Maharashtra.
2. Dr. Adil Sheikh has successfully completed a two week FDP on “**Next Generation Solutions: Harnessing the Power of Blockchain and AI**” sponsored by IEEE Bombay Section and Organized by St. Francis Institute of Technology in collaboration with St. Xavier Institute of Engineering and St. John College of Engineering & Management, held from 19.06.2023 to 01.07.23.
3. Ms. Kalyani Soni has successfully completed a two week FDP on “**Next Generation Solutions: Harnessing the Power of Blockchain and AI**” sponsored by IEEE Bombay Section and Organized by St. Francis Institute of Technology in collaboration with St. Xavier

Institute of Engineering and St. John College of Engineering & Management, held from 19.06.2023 to 01.07.23.

4. Ms. Mohini Kher has successfully completed a two week FDP on “**Next Generation Solutions: Harnessing the Power of Blockchain and AI**” sponsored by IEEE Bombay Section and Organized by St. Francis Institute of Technology in collaboration with St. Xavier Institute of Engineering and St. John College of Engineering & Management, held from 19.06.2023 to 01.07.23.
5. Ms. Kalyani Soni successfully completed a 7 days “**Cloud Computing**” Course organized by Turnip Innovations and facilitated by Dr. Rahul Kapoor during 04.05.23 to 10.05.23.
6. Ms. Shyma K V has successfully completed a two week FDP on “**Next Generation Solutions: Harnessing the Power of Blockchain and AI**” sponsored by IEEE Bombay Section and Organized by St. Francis Institute of Technology in collaboration with St. Xavier Institute of Engineering and St. John College of Engineering & Management, held from 19.06.2023 to 01.07.23.

#### **Workshops / Conferences Conducted / Organized**

1. Value Added Course for Second Year Student was organized by Electrical Engineering Department on “Application of Mathematics in Electrical Engineering”

#### **List of Toppers of Odd Semesters**

Prachi Anant Mandadkar	SE ELEC	9.63
Suraj Hiralal Chaurasiya	SE ELEC	8.79
Mohammed Haris Imtiyaz Pawaskar	SE ELEC	8.79
Tausif Ahmed Maqsood Ahmed	SE ELEC	8.75
Dimple Devendra Singh	TE ELEC	9.68
Osama Hilal Ansari	TE ELEC	9.45
Payal Sanjay Bandkar	TE ELEC	9.32
Yugam Mitesh Shah	TE ELEC	9.32
Kabir Manoj Ohekar	BE ELEC	9.71
Anshika Rakesh Mishra	BE ELEC	9.43
Sakshi Shridhar Jadhav	BE ELEC	8.95

**St. Francis Institute of Technology  
Jointly with  
Xavier Institute of Engineering & St. John College of Engineering and Management  
Organized IEEE Bombay Section Sponsored**

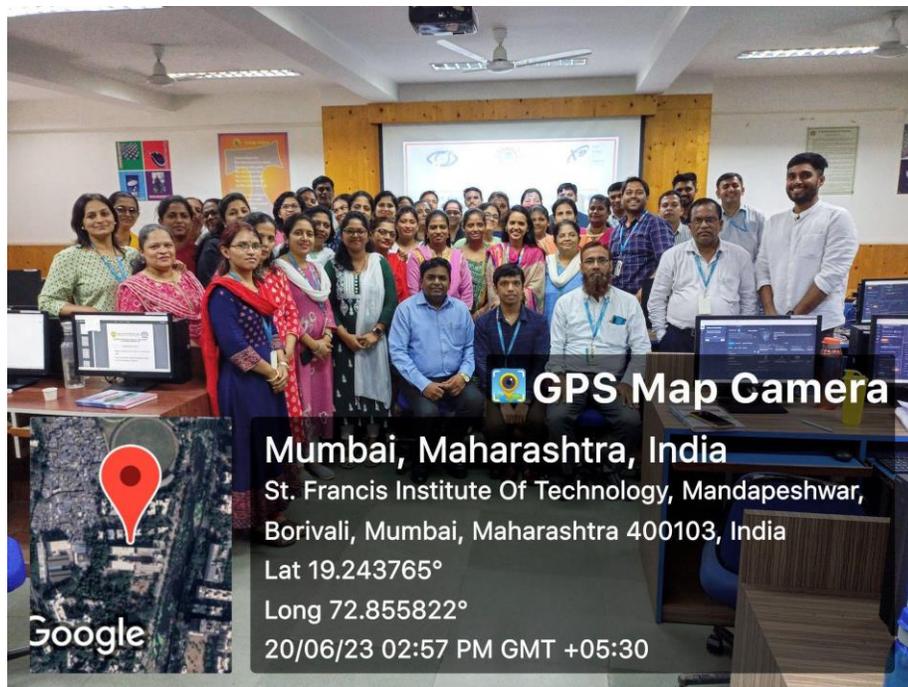
**Two-Week Capacity Building Workshop**

**on**

**Next Generation Solutions: Harnessing the Power of Blockchain and AI**

**Sponsored by IEEE Bombay Section & IEEE Bombay Section (Educational Activities  
Committee)**

**(June 19 to July 01, 2023)**



The IEEE sponsored two week capacity building workshop FDP on Next Generation Solutions: Harnessing the Power of Blockchain and AI was jointly organized by St. Francis Institute of Technology, Xavier Institute of Engineering and St. John College of Engineering and Management during 19<sup>th</sup> June to 1<sup>st</sup> July 2023 (excluding Sunday). The total of 56 participants were actively involved in the workshop. The scope of the workshop was to explore various concepts and applications of Blockchain technology and Artificial Intelligence. The convenor of the workshop, Dr. Vaqar (SFIT), with coordinators team, Mr Shamsuddin Khan, Mr. Rupesh Mishra (SFIT), Ms. Suvarna Bhoir (XIE) and Mr Vivian Lobo (SJCEM) actively contributed to make the workshop event successful.

The program began with an inauguration at 10:00 am. Welcoming of the dignitaries and the resource persons in the presence of all the participants, SFIT deans, heads of the departments and SFIT faculty was done in Room No 618. Dr. Fr. John Rose showered his blessings on us by sending his video recording. Dr. Sincy George, Principal of SFIT motivated the participants for the workshop.

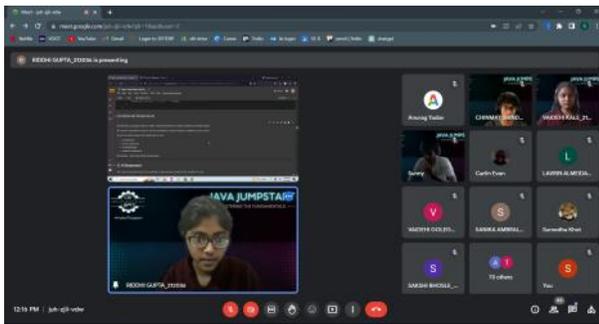
Dr. Thomas Sachwarz, Associate Professor, Marquette University also motivated the participants by sending his video recording. This inauguration function ended by giving a Vote of Thanks by Ms. Suvarna Bhoir, one of the coordinators of the workshop. Refreshments were served to participants post the inauguration function

## ACTIVITIES - COMPUTER SOCIETY OF INDIA

**Co-ordinator: Ms. Amrita Mathur, Asst. Prof., INFT**

### **JAVA JUMPSTART on 19<sup>th</sup> March 2023**

No. of Registered Students: **173** Resource Person: Tech Team CSI-SFIT Student Chapter



A workshop on Java Jumpstart was successfully conducted on the above mentioned date by the Computer Society of India. The idea of the workshop was from the Core members **Sakshi Bhosle, Vedant Mahajan and Nilesh Tiwari**. The workshop was an immense success with the participants count of **173**. The prime motive of CSI SFIT is to inculcate a sense of interest in the technology sector right from their first year. The participants received basic knowledge

of Java language.

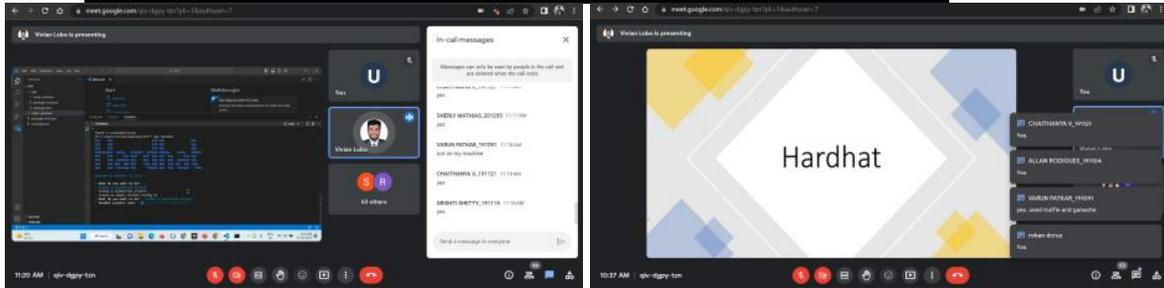
The speakers **Anurag Yadav, Vaidehi Kale and Riddhi Gupta** were all from the Technical Team of CSI. There was excitement among the participants as the speakers made sure the event was interactive and included knowledge sharing from the participants as well.

The topics included in the session were:

1. Variables and Data Structures
2. Control Statements
3. Loops
4. Functions
5. Inbuilt libraries



## **Building Dapps using Hardhat and Ether.js on 25<sup>th</sup> March 2023**



No. of Registered Students: **73**

**Resource Person:** Mr Vivian Lobo (Deputy HOD and Assistant Professor at St.John college of Engineering and Management situated at Palghar )

The main objective of the event was to familiarize the students with booming technology of Blockchain and develop Decentralized Applications using Hardhat and Ether.js

### **ACTIVITIES – INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE)**

**Co-ordinator:** Ms. Shilpa Chaman, Asst. Prof., ExTC

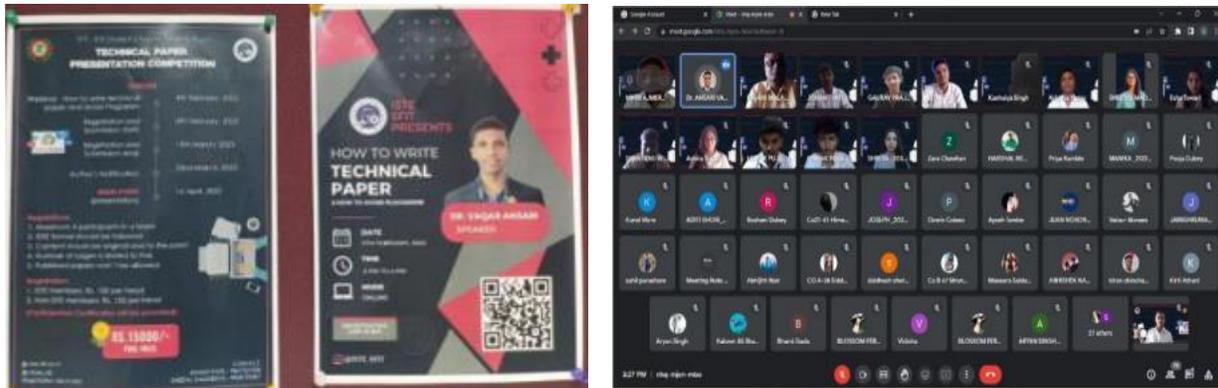
#### **Webinar on “Placement Talk Season 3” on 10<sup>th</sup> March, 2023**

A talk was organized for all year students by a speaker of our college who are senior to present students .The topic for our webinar was Placement Talk . They briefed the audience about interviews, preparations, skills required, conceptual learning, smart ideas and shared their experience as well . They discussed their interviews and gave tips as well for others.

**Webinar on “SQL WORKSHOP” on 18th March 2023** was conducted for all year students by speaker Mr. Santosh Chapaneri .The topic for our webinar was SQL Workshop . It started with basic ideas of SQL, the advantages and disadvantages of its application. The actual use was illustrated. The session started with basic introduction to advanced level concepts. There was simultaneous practical conducted to check the output. The session gave us an opportunity to learn a new language. It helped the students to complete their project. Finally, it ended with a question and answer session.

## ACTIVITIES – INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)

### TECHNICAL PAPER WRITING WEBINAR



Technical Paper writing webinar was conducted by SFIT student chapter of the Indian Society for Technical Education (ISTE) on 4<sup>th</sup> February, 2023 between 02.00 pm to 04.00 pm. The speaker of the event was Dr. Vaqar Ansari. The session highlighted the aspects that contribute to better understanding of technical paper writing process, Plagiarism and its types, how to get rid out of plagiarism, I.C.Q.P, and research paper discussion. There was a total of 93 participants for this event. Through this event students were able to encompass various aspects of technical paper, and students got the confidence to write the technical paper.

### NATIONAL TECHNICAL PAPER PRESENTATION COMPETITION ON 1<sup>st</sup> APRIL 2023

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

#### **Objectives:**

- To motivate and promote students to write technical papers.
- To professionalize undergraduate experience.
- The Benefits & Importance of writing a research paper.

#### **Judges for the event:**

Dr. RAJESH SHIVCHARAN BANSODE (Thakur College of Engineering)  
Dr. RAMESH R RAJGURU ( DJ Sanghvi college of Engineering)

It was a 2 hours competition where all the teams presented the idea of their research paper for 10 minutes each. All the teams presented the IEEE format and were given reviews on their paper. The

teams were judged based on presentation skills, technical content, theory, team work and clarity of topic.

The winners of the competition were:

In the Computer and IT category, the First prize was won by Ms. Manjot Kaur Sokiof, Ms. Ashita Tiwari and Ms. Anushree Poojary SFIT College Computer branch students for the paper on **Be Ready: PCOD/PCOS diagnosis and Period Tracker.**

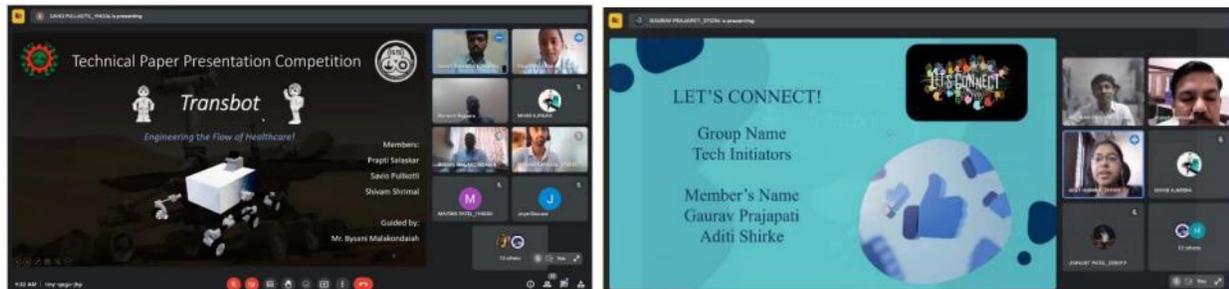
and

Second prize was won by Mr. Gaurav Prajapati and Ms. Aditi Shirke SFIT College IT branch students for the paper on **Lets Connect: Entrepreneur Network and social media.**

In the Mechanical and Civil category, the First prize was won by Ms. Prapti Salaskar, Mr. Savio Pullkotil and Mr. Shivam Shrimal of SFIT College Mechanical branch students for the paper on **Design and Implementation of an Autonomous Robot for Safe and Efficient Food Delivery in Hospitals.**

and

Second prize was won by Mr. Adarsh Aare, Mr. Joyal Dsouza, Mr. Maitrik Patel and Ms. Dhruvika Solanki for the paper on **Design and Analysis of Axial Flow Compressor Blade Profile using Optimized Airfoil Geometry for Maximum Aerodynamic Performance.**



## ACTIVITIES - NSS SFIT



Visit to Shantidaan on 21<sup>st</sup> January 2023 with 34 students and Bro. Swasthi as the Resource Person



International Womens' Day Celebration on 8<sup>th</sup> March 2023 with a workshop on demonstration of Self Defense with Mr. Ram Gurav and Ms. Gauri Salvi as the Resource Persons



Swachh Bharat Project: Mahim Beach Cleanup on 26<sup>th</sup> February 2023 with 9 students in collaboration with NGO – Muskurate Raho.



World Environment Day Celebration: Tree Plantation at INS Hamla on 4<sup>th</sup> June 2023 with 11 students and Mr. Subrajit Mukherjee as the Resource Person.



World Environment Day Pledge taken by 59 students on 5<sup>th</sup>

June 2023

Swachh Bharat Project: Versova Beach Cleanup on 13<sup>th</sup> June 2023

with 13 students and Mr. Afroz Shah as the Resource Person



International Yoga Day Celebration on 21<sup>st</sup> June 2023 with 59 students and under the guidance of Mr. Harish Arekar SFIT MECH, Akash Yadav Journey of Yoga founder

## ACTIVITIES – INSTITUTE INNOVATION CELL

- Workshop on Entrepreneurial Skill, Attitude and Development on January 11, 2023 by Mr. Lester Fernandes, Senior Leader, and Consultant at LTI, Mindtree
- Entrepreneurship Day 2023: Sessions 1 and 2 on 18<sup>th</sup> January 2023
- Graphics Design Workshop on 22<sup>nd</sup> January, 2023 with Mr. Yash Patel as the host.
- Business Plan Workshop on 28<sup>th</sup> February 2023 by Dr. Prachi Raut
- PRAGATI 2023: National Level Business Plan Competition from 10<sup>th</sup> - 11<sup>th</sup> March 2023. The top three teams were invited to the stage and presented with trophies and certificates by the Chief Guest and Dignitaries. The first-place team “We-Moove received a cash prize of Rs. 40,000. The second and third-place teams “JASS” and Solecthon received cash prizes of Rs. 20,000 and Rs. 10,000 respectively.

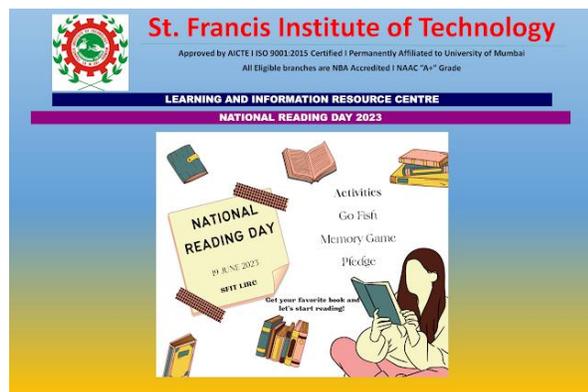
## LEARNING AND INFORMATION RESOURCE CENTRE

### ACTIVITIES:

Event Name	Type	Month
Take away of books	In House Book Exhibition	January 2023
Once Upon a Time the Fairytales bookshelf	Thematic Display	January 2023
Thematic Display of Books and Self Help and Motivation	Thematic Display	January 2023
Meraki-Creative Writing Workshop	Workshop	January 2023
Celebration of Marathi Bhasha Diwas	Celebration of Marathi Bhasha Diwas	February 2023
Develop your learning and research skills using IEEE Xplore Digital Library / Resource Person: Mr. G.K. Upadhyaya, IEEE Certified Trainer	Research	February 2023
Book Exhibition and Display	Book Exhibition	February 2023
Virtual Book Shelf of Marathi Bhasha Diwas	Thematic Display	February 2023
NDLI Awareness Session for First Year Students	NDLI Awareness Session	March 2023
E-Quiz Celebration of Dr.Babasaheb Ambedkar Jayanti	Non Technical E-Quiz Celebration of Dr.Babasaheb Ambedkar Jayanti	April 2023

Remembering the Bard- the Shakespeare Virtual Bookshelf	Thematic Display	April 2023
Celebration of World Copyright Day-In House Book Exhibition and Take Away Books	Celebration of World Copyright Day	April 2023
Memory Game for Staff	Celebration of National Reading Day	May 2023
Bookmark Activity for Staff	Celebration of National Reading Day	May 2023
Quiz on Shiva Swarajya Din	Non Technical E-Quiz Celebration of Shiva Swarajya Din	June 2023
Searching Journals and Magazines	Technical E-Quiz Research	June 2023

### **Celebration of National Reading Day - 19th June 2023**



"The journey of a lifetime starts with the turning of a page!"

19th June is celebrated as National Reading Day in India to honour the Keralite teacher, P.N. Panicker. This celebration of reading did not begin until 1996. However, it has grown into a large-scale movement over the years, with many participants rejoicing, learning, imbibing, and celebrating the habit of reading.

Puthuvayil Narayana Panicker is known as the father of the library movement in Kerala. He died on 19th June 1995, after which in 1996, National Reading Day was celebrated as a tribute to the legend. The Ministry of Education of Kerala also observes Vayana Varam (reading week) for the week between the 19th to 25th of June.

The 27th P N Panicker National Reading Day/ Digital Reading Month Celebrations 2023 are being celebrated as previous years in collaboration with Govt. of India, Ministry of Education, NITI Aayog, National Digital Library of India (NDLI), Govt. of Kerala, P.N. Panicker Foundation, P.N. Panicker Vigyan Vikas Kendra and various other stakeholders from 19th June to 19th July, 2023.

Following activities were conducted to celebrate the National Reading Day from 18 June to 19th July 2023:

- 1) Take the Pledge at: [Reading Day Pledge 2023](#)
- 2) Go Fish
- 3) Memory Game



4) **Book Mark Making Activity:** The art of bookmark making offers a delightful and hands-on approach to fostering creativity and self-expression among children. By providing a platform for artistic exploration and personalization, bookmark making activities engage young minds, cultivate their fine motor skills.



Incorporating all the above activities into library demonstrated a commitment to providing engaging and stimulating experiences that nurtured young minds and cultivated a passion for creativity, self-expression, and the joy of reading.

Inputs Given By:

<b>Name of the Member</b>	<b>Data received from</b>
Ms. Sonali Suryawanshi	Department of Information Technology
Ms. Priya Karunakaran	Department of Computer Engineering
Dr. Vaqar Ansari	Department of Electronics and Telecommunication Engineering
Dr. Ravindra Garmode	Department of Mechanical Engineering
Dr. Adil Sheikh	Department of Electrical Engineering
Mr. Paul Fernandes	NSS
Ms. Chinmayee Bhange	Library (Learning and Information Resource Centre)
Ms. Shilpa Chaman	IETE
Mr. Bysani Malakondaiah	ISTE
Ms. Amrita Mathur	CSI
Dr. Ravindra Garmode	IIC