



ST. FRANCIS INSTITUTE OF TECHNOLOGY

Mount Painsur, S.V.P. Road, Borivali (W), Mumbai - 400103



(For Internal Circulation only)

[January 2020 to June 2020]

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SFIT STUDENTS CHAPTERS

INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

SFIT Chapter (IETE-SFIT)

The IETE student Chapter at SFIT started in 2008. The objectives of this student forum are as follows:

1. To keep the students updated with technological developments in the field of Electronics & Telecommunication
2. To provide them a platform to develop their technical and managerial skills by organizing various technical events such as seminars, workshops, project competitions and technical paper presentations to name a few.

At present there are 37 active members in this chapter. Ms Shilpa Chaman and Mr. Sandip Dhende, Assistant Professors in EXTC department, are the coordinators for this chapter. The endeavour of IETE-SFIT student Chapter is to spread awareness about the state-of-the-art technologies used in industries and develop all-round skills of engineers keeping in mind the interest of students.

EVENTS ORGANIZED IN JANUARY-JUNE 2020

From January-June 2020, the following events were organized as part of the IETE student chapter:

| | |
|----------------------------|--|
| Event Title | NATIONAL-LEVEL SCIENCE AND CODING E-QUIZ 2020 |
| Committee Name | IETE |
| Faculty Coordinator | Ms. Shilpa Chaman |

The event focused on the following key-points:

- Testing basic science and coding knowledge of participants
- Preparing the participants for future aspirations
- An advanced round comprising of higher level technical questions

Brief description

“National-level Science and Coding E-Quiz 2020” conducted by IETE committee was organised on June 7th, 2020 exclusively for students and faculties nationwide affiliated to IETE. Amidst these difficult

times, this was an initiative to get students active and boost their knowledge and test their understanding of engineering sciences. An addition to this quiz was the aspect of coding.

Technical description

The quiz was divided into 3 parts:

- Round I - Basic science Quiz consisting of 10 questions of one mark each.
- Round II- Coding Quiz consisting of 20 questions of two marks each.
- Round III-Technical skill Quiz consisting of 10 questions of five marks each.

The quiz was in total of 100 marks. The participants were required to pass the quiz by acquiring 50% or more(50 marks) and on passing, they were awarded e-certificates. Evaluation was conducted on the basis of performance exhibited by participants in Round I, II and III.

Response

The event was a success with the participation of 107 students and faculties

Brochure of the event

ST. FRANCIS INSTITUTE OF TECHNOLOGY
(ENGINEERING COLLEGE)

(Approved by AICTE & Govt. of Maharashtra with permanent Affiliation to University of Mumbai, ISO 9001: 2015 Certified)
Electronics & Telecommunication Engineering and Information Technology are NBA accredited
Mt. Painsur, S.V.P. Road, Borivli (West), Mumbai - 400103
Website: www.sfit.ac.in Email: sfedu@sfit.ac.in Phone number: 022-28928585

SCIENCE AND CODING
E-QUIZ 2020

National Level E-Quiz Contest
On
June 7th 2020
Organized by
IETE-SFIT Student Chapter

Who can participate????
Students and Faculty registered to IETE

Participants scoring 50% and above
Will be receiving E-certificate

Registration is free

Last date for registration 5 June 2020

Further Details Contact
Karthik Manthitta, Ms. Shilpa Chaman,
IETE-SFIT Chairperson IETE-SFIT Convener
Ph: 9920993844 Email: shilpachaman@sfit.ac.in

Report by – Ms. Shilpa Chaman

IEEE SFIT EVENTS

The Epicenter of the IEEE SFIT Student Branch (ISSB) being education and innovation, the team organised some practical workshops and events throughout the year.

1. Hands-On Workshop on Amazon Alexa

'Hands on Alexa', conducted in the second week of January 2020, was one such workshop where the utilization of an Amazon Alexa and its various applications were all studied. Here the speaker, Mr. Hannan Satopay, who is an esteemed IEEE SKEP Speaker, spoke about the working of an Alexa, with various fun activities using it, and a kick start on programming an Alexa!



2) MindClash - An Intercollegiate Debate

MindClash was an intercollegiate technical debate between 8 teams. It was the first of its kind in the history of SFIT. Conducted in the last week of February, the main idea behind this debate was to gain broad and versatile knowledge through extensive research and parallelly interacting and socialising with other colleges. The event saw a blend of technical and non-technical topics in the form of four rounds. Vidyavardhini College of Engineering and Technology triumphed with the first prize, followed by St. Francis Institute of Technology at the runners up place.

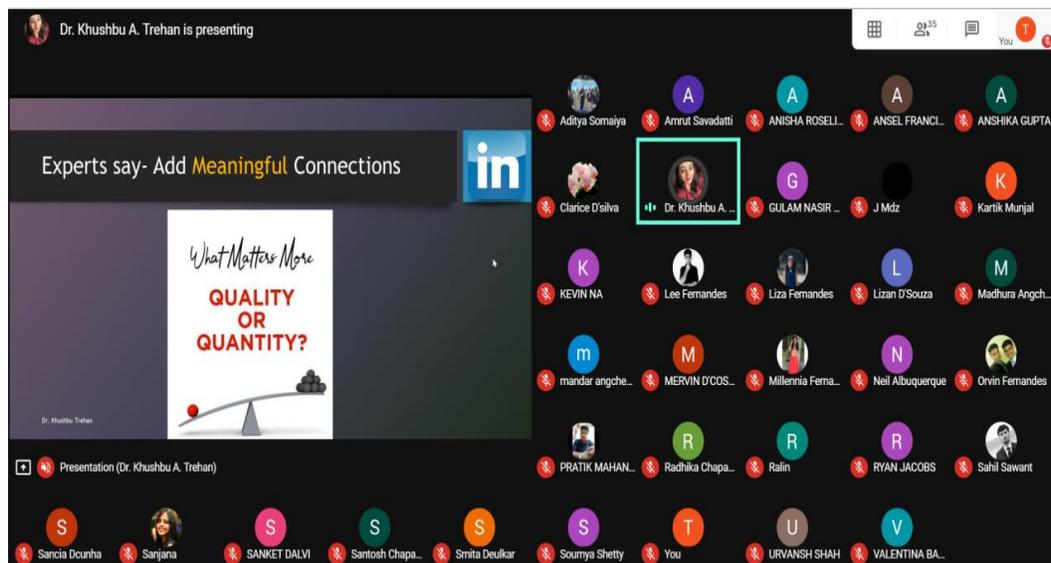


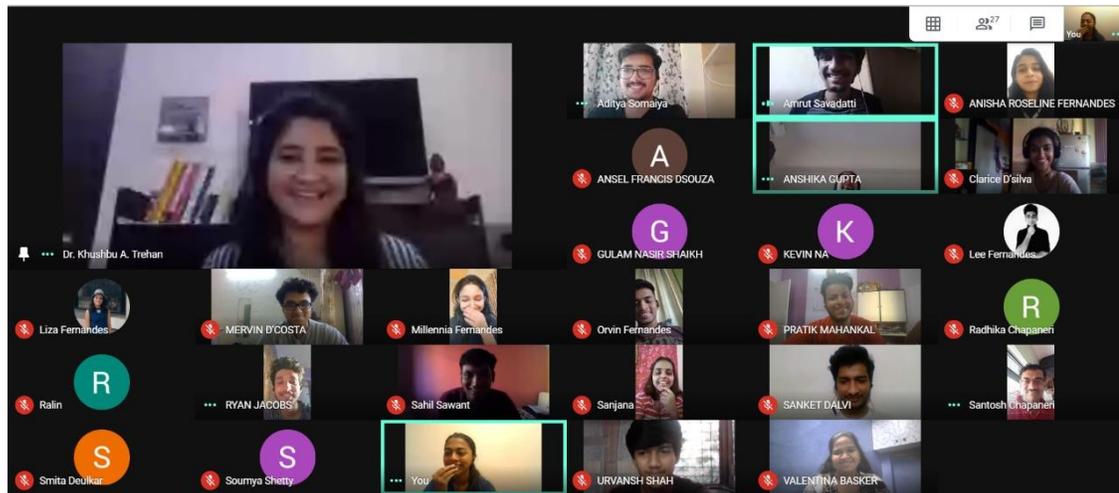


In the middle of the academic year, the lockdown hit us and everything came to a standstill position. But this couldn't stop the ISSB team from imparting knowledge and motivating innovations. Hence, three webinars were conducted by the team.

3) A Webinar on 'Building A Rockstar LinkedIn Profile'

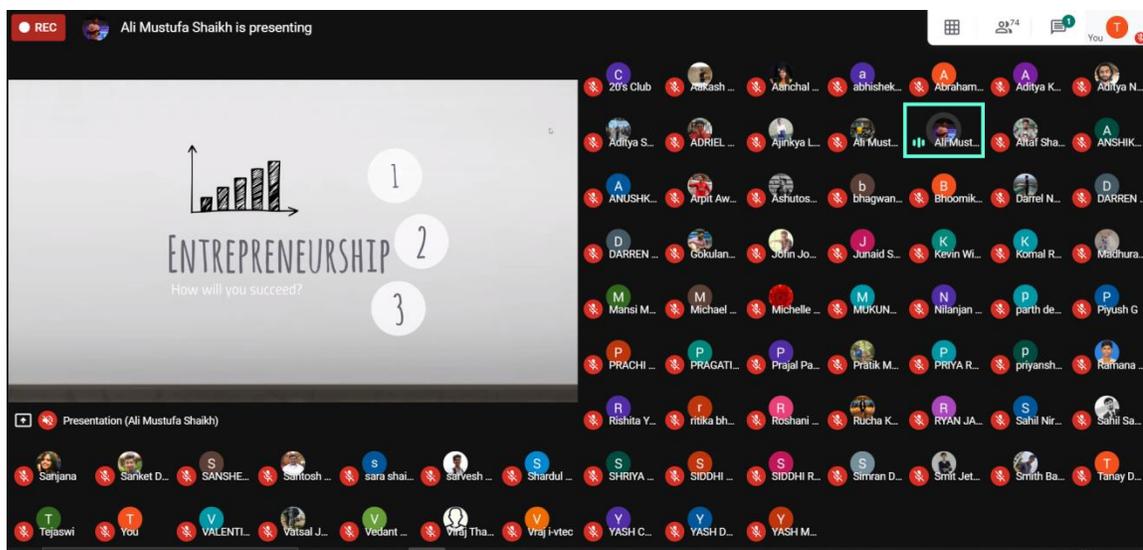
This webinar, conducted by Dr. Khushbu A. Trehan, who is a British Council certified IELTS trainer and an employability trainer, helped the attendees to gain intuition in the process of profile building. The speaker thoroughly covered all aspects of making one's LinkedIn profile standout. The attendees sure learnt some LinkedIn tricks they could use for the rest of their professional life!





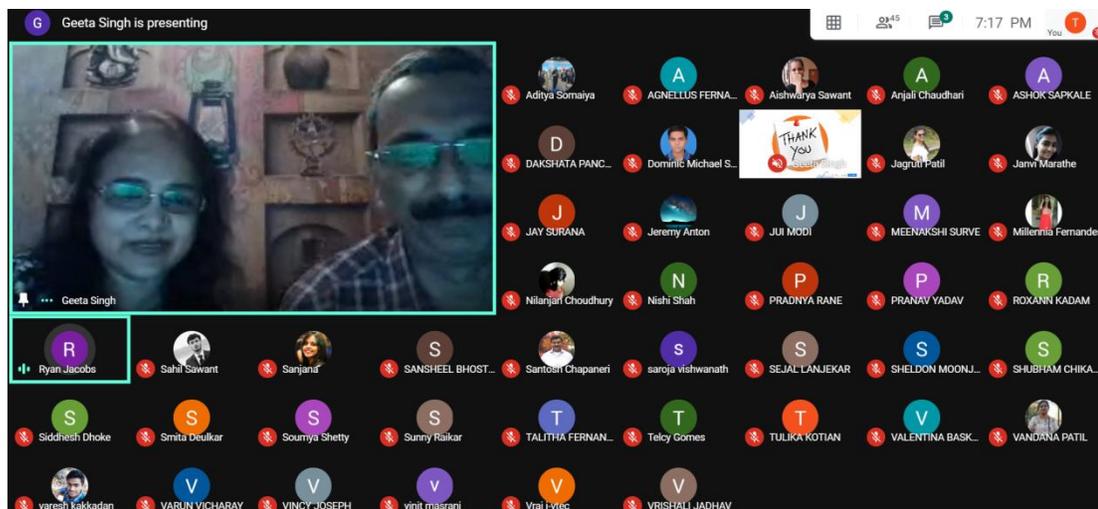
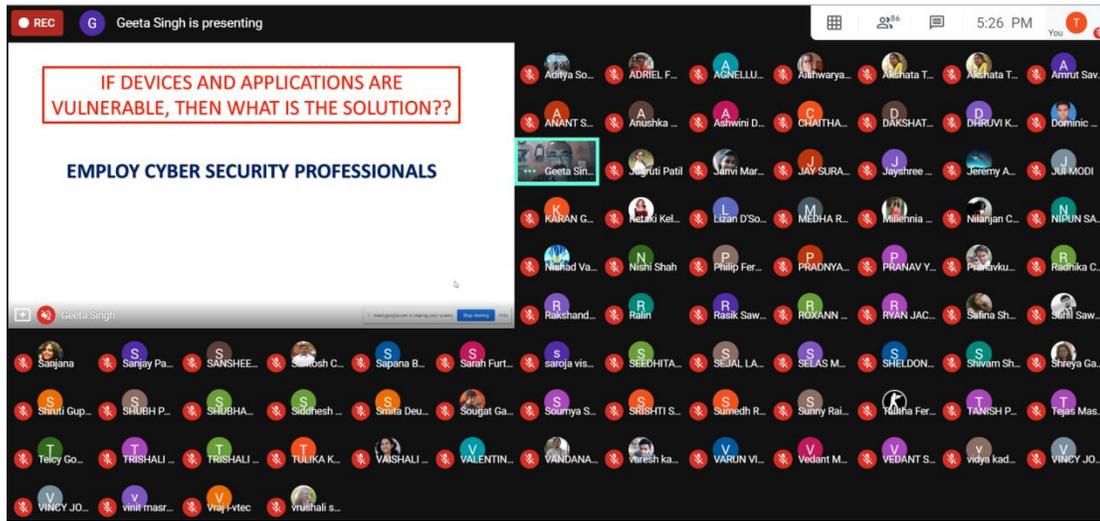
4) A Webinar on 'Entrepreneurship: A Way of Life'

This webinar was conducted by Mr. Ali Mustafa Shaikh, who is an inspiring and engineering entrepreneur himself, along with medals like Google certified educator, and IEEE Collabratec influencer to his name. He spoke about his life struggles, and his journey as an entrepreneur-engineering student. He spoke about finding the idea of being an entrepreneur in the smallest ideas, and using it for life solutions. The attendees were inspired and left with a mind full of inspiration and an urge to never stop their ideas.



5) A Webinar on 'Data Privacy'

This webinar was conducted by Ms. Geeta Singh and Mr. Vikash Singh, of QUIK Institute, who have 29 years of experience in the cyber security industry. They covered a wide range of topics, right from web application vulnerabilities to the need of online privacy today. The attendees understood the importance of privacy in day to day life, and learnt ways to keep themselves secure in the cyber world.

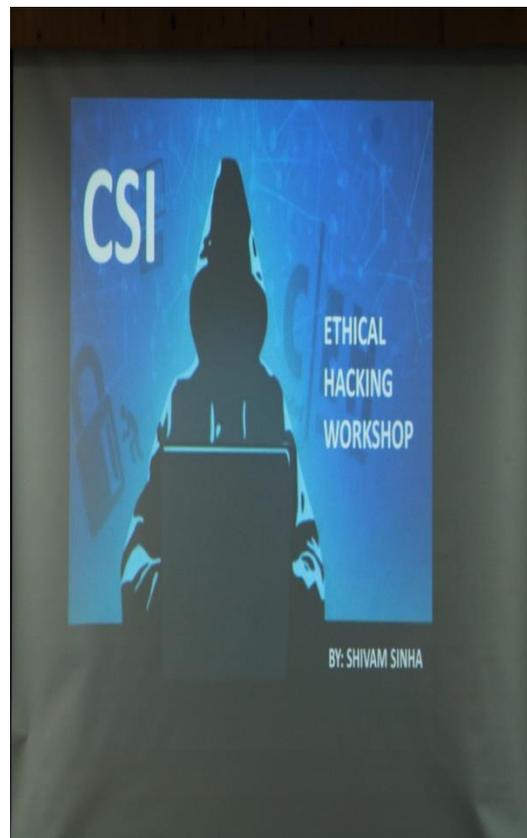


Prepared by: Mr.Santosh Chapaneri(Committee convener)

CSI SFIT EVENTS

Ethical Hacking Workshop:

A workshop on 'Ethical Hacking' was organized by the Computer Society Of India – SFIT on 22nd and 23rd of February, 2020. The rise of IT Security and ethical hackers is due to technological advances and the growing number of threats in the computer world. Hence a workshop on the same was conducted to give an insight into the world of hacking. Under the guidance of Mr. ShivamSinha, the technical head of the committee, following is a report of the 2-day workshop. About the Resource Person Mr. ShivamSinhais the technical head of the CSI committee and also the technical head of the student council of the college with knowledge in web development, android, ethical hacking and more. Day 1 The session began at around 10 am with a batch of 55 students from our college. The session started with helping the students get the proper softwares installed onto their respective laptops. while the volunteers helped all of the students with the installation an interactive introduction session about the instructor and the topic of the day was done. He started by telling about what hacking actually means and a brief introduction on the basics and need for the concepts that will be taught in the workshop. After completing this foundation part he gave a demonstration overall for the installation of the softwares and began with the main topic. A few basic command line features were taught and some important commands, their syntaxes and the information they provide about the system and the network. After about 4 hours of learning , the students were given a break for 45 minutes.



Video Editing Workshop:

A GFX workshop was conducted by Computer Society of India-SFIT on the 8th and 9th of February, 2020. It was attended by a total of 25 students in total. The workshop instructor was Mr. Anshul Deodia. Day 1 the students gathered in the ARC room at 10:00 AM. Mr. Anshul Deodia started the workshop by giving a brief about Video Editing and the application used i.e. 'Premier Pro'. He then went on to show an example of what could possibly be achieved at the end of the workshop. The session was started by showing the students a few basic tools of Premier pro that would be used like 'cutting', 'importing', etc. After the students were thought the basic tools of the application, Mr. Anshul Deodia went on to teach them how to do a 'Sky replacement'. There was a break provided at 1:00 PM which lasted till 2:00 PM. After the break the students gathered in the ARC once again. The students were thought how to join to different video and how to add transitions between them. Different types of transitions were tried out by the students. Towards the end of Day 1 at 3:00 PM the students were given a task to perform which would be continued in the last 2 hours of Day 2. The task consisted of making a video of their own, the students were divided into groups of 4-5. They explored the SFIT campus to gather footage for the video they were to make. They gathered in the Arc at 4:00 PM. They discussed and edited the footages they gathered for 1 hour, at 5:00 PM Day 1 was ended. Day 2 he students gathered in the ARC at 10:00 AM. On Day 2 Mr. Anshul Deodia started the session by giving a quick recap of Day 1 and solving some doubts regarding Day 1. The students were thought to add different effects to a video. Students were given time to try and experiment on each effect just after it being though. The next hour of the workshop Mr. Anshul Deodia thought the students about 'key frames' and their many uses. The students took their time understanding it, and its uses. There was a break given at 1:00-2:00 PM. The students gathered at the ARC once again. Mr. Anshul Deodia proceeded with the workshop by teaching hoe to add different sound effects to videos. The students were then thought how to increase or decrease the speed of a video and also how to make a cinematography effect. The students were also thought hoe to put texts in a video and make credits scene. At 3:00 Pm the students were instructed to continue their task from Day 2. The students went on to do so till 4:45. After 4:45 the students were told to submit their video. A presentation was made of the videos made by each group. The group that created the best video was given 'Kit-Kats' as a prize. The volunteers of the group include Ms. Shivani Raul-Creative head, Mr. Gaurav Suvarna-Creative Executive and Mr. Shivam Sinha-Technical Head. The volunteers performed admirably. They would always do their best to solve any of the doubts raised by the students as did Mr. Anshul Deodia.



Prepared by: Ms. Amrita Mathur (Committee convener)

SFIT ISTE STUDENT CHAPTER EVENTS

A REPORT WORKSHOP ON WORKPLACE ETHICS ORGANISED BY SFIT ISTE STUDENT CHAPTER

If workers trust their employer to treat them fairly, they will be happier about their jobs. Workplace ethics translate into a better work-life for employees and a more motivated, loyal team for the employer.

Objectives:

- To motivate and promote students to follow workplace ethics
- To make students aware of workplace ethics
- The Benefits & Importance of Ethics in the Workplace

Resource Person:

Resource person for WORKPLACE ETHICS was Fr.(Dr.) Keith D'Souza, S.J. Rector of St. Xavier's College, Mumbai

Venue: TPO Hall.

Date & time: 28th February 2020, Friday, 3-00 pm to 5-00 pm.

Programme Overview:

It was a 2-hour workshop for preparing students to aware of workplace ethics. The participants are from the computer department BE and TE students. Total of 83 students attended the workshop. The workshop started at 3-30 pm and concluded at 5-00 pm.



Prepared by: Mr. BYSANI MALAKONDAIAH (Committee convener)

SFIT SPORTS

The students of SFIT are actively involved in sports especially Cricket, Football, Basketball, Volleyball, Chess, Kick-boxing and other on-field sports activities.

Here are the glimpses of the achievements of our students in sports and highlights of organized sports events.

One of the students of SFIT, Mr. Ian Rodrigues of BE CMPN secured first place at International Kick-boxing tournament held at Tal Katora Stadium, Delhi from 9th to 13th February 2020. He represented the country for the kick-boxing (under 90 kg) championship.



The sports committee successfully organized the annual sports festival IGNITRA - 2020 in the month of January 2020.



SFIT Cricket team under the captaincy of Ayush Mishra (TE EXTC) defeated the cricket team of Varthak College of Engineering in the finals the IGNITRA 2020 Cricket trophy which was organized from 14th to 18th January 2020, at the Oval grounds, Churchgate, Mumbai and emerged as the winners.



Congratulations to the Cricket Team.

SFIT Cricket team participated in a cricket tournament organised by Mukesh Patel College, Mumbai held at Churchgate Cross Maidan in January 2020. The team made it to the semi-finals.

SFIT Football team participated in IGNITRA football tournament and won a few initial matches of the tournament.



SFIT Throw ball team participated in IGNITRA 2020 and won a few initial matches. They also participated in the Throw ball tournament organized by K.J. Somaiya College of Engineering and won runners up trophy.



Glimpses of sports events organized during IGNITRA 2020



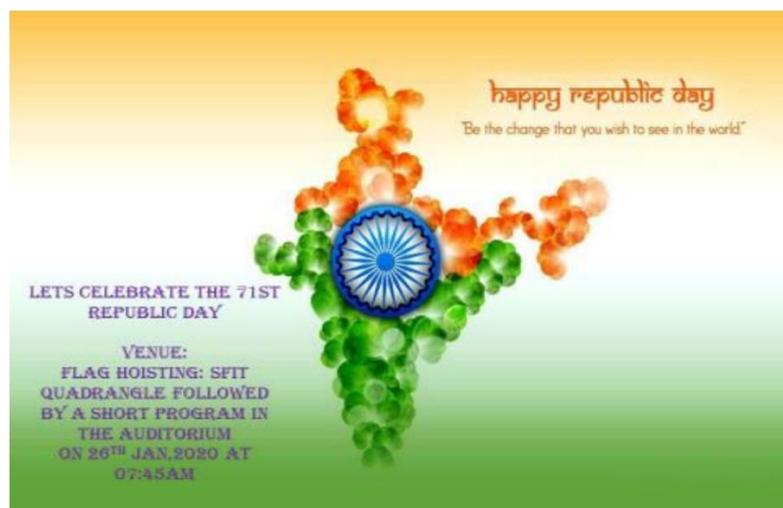
Report by- Mr.Paul Fernandes

CULTURAL COMMITTEE REPORT

1. **Republic Day Celebration:** The cultural committee of SFIT organized the 71st republic day celebration in presence of the entire staff, management, student council and some students. The dignitaries present for the function were:

- Director: Bro. Jose Thurithiyil
- Principal: Dr. Sincy George
- Chief Guest: Mr. Augustine Kuries (Executive committee member)
- Deputy Director: Bro. Vijay Kumar Pereira
- Financial administrator: K. C. Joseph

The program included flag hoisting, singing national anthem, speech by the chief guest, speech by student representative and patriotic songs sung by students and staff.



2. **Annual day celebration:** Cultural committee was crucially involved in the organization of Annual Day 2020 which was held on 1st February 2020, the Chief Guest for the day was Mr. Mahesh Pinge, Vice President CapGemini, the Guest of Honor was Capt. Ramesh Babu, GMMake in India and Corporate Social Responsibility, Young Achiever was Mr. HanselD'souza, President of SFIT Alumni Association. The Annual day commenced at 5:30 pm followed by a cultural program that started at 08:00 pm. The cultural program had a drama based on the multiple cultures of India and several traditional dances of India.



3. **Webinar on Mandala Drawing:** With the onset of the COVID pandemic, the aim of cultural committee was to help the staff and students of SFIT to manage the mental stress. In order to achieve this aim, cultural committee organized a “Webinar on Mandala Drawing” by our resident expert Prof Nitika Rai on June 3, 2020 4pm - 6:00pm. The webinar was conducted on Google Meet using the college’s G suite ids. There were around 100 odd registrations for this event thus proving the success of the event.



Prepared by: Ms. Shree Jaswal (Cultural Committee convener)

**DEPARTMENT
OF
APPLIED SCIENCES AND
HUMANITIES**



PRAYAS-2020 REPORT

Date: March 4, 2020

It is said, “Every Accomplishment starts with a decision to try”. Prayas is organised by the department of Basic Science and Humanities annually as an exclusive platform for First Year Engineering students to transform knowledge into application while also enhancing soft skills. Prayas started in 2015 with the aim to develop scientific skills and innovative thinking among students.

PRAYAS 2020, saw amazing response from the First year students. The inaugural function commenced at 9:30 am in the New Auditorum (B-Wing), St. Francis Institute of Technology (SFIT). On the dais, we had our honourable dignitaries: Chief Guest, Dr. Vikram Shete, Co – Founder and CEO, NinsarAgritechPvt. Ltd., our Director , Bro Jose Thuruthiyil, our Deputy Director, Bro Vijaykumar Pereira, Financial Administrator, Bro. K. C. Joseph, Principal, Dr. Sincy Gorge, Coordinator- Basic Science and Humanities, Dr. Poonam Hemnani, Co-coordinator - Basic Science and Humanities, Ms Preethi Colaco, and Coordinator –PRAYAS 2020, Ms Deepa Panakkal. We also had the encouraging presence of Deans, Heads of all the core engineering departments, the teaching and non-teaching members of the SFIT family and students.

The Inaugural started with the college anthem followed by lighting of the lamp. Coordinator, Basic Science and Humanities, Dr. Poonam Hemnani extended a welcome to the dignitaries and the gathering and highlights of Prayas 2020 were shared by the Prayas 2020 Coordinator, Ms. Deepa Panakkal. Our Director, Bro Jose Thuruthiyil, extended his best wishes and motivated the students and the organising team with his encouraging words.

Our Chief Guest, invested his valuable time in interacting with the students while conducting a session on the topic “Making Sense of the Chaos”. While emphasising on the technical and scientific understanding of things he made students focus on practical thinking, getting their priorities right, planning their actions right from the beginning instead of waiting for the final year. With real time examples and experiences, he encouraged them to work for creative autonomy and financial independence. He also discussed importance of communication skills, skill enhancement, humility and ability to respect all kind of work as an important learning experience.

After the Inaugural, our Director, Bro Jose Thuruthiyil, declared PRAYAS open. Our Chief Guest, Dr. Vikram Shete, visited all the projects and shared his feedback with each participant offering them real time analysis, future possibilities and valuable insights.

We had 88 first year students participating with 21 models and 6PowerPoint presentations. While the Projects were exhibited in the new auditorium, the PowerPoint presentations were showcased in the Seminar room (103). Each of the categories was assessed by our eminent group of judges who not only assessed the performance of the participants but also provided them with much required feedback and encouragement. The teachers who guided our students as supervisors, preparing them for the event and the learning experience thereof, require a special mention here. We are grateful to each one of them.

The visitors included teachers and students from various departments. Few of the parents also visited the exhibition. Students from all FE classes were guided to the venue as per a specific schedule. All of them enthusiastically participated in the activities and were very keen in knowing the facts about the projects and the presentations. The team of staff was well supported by a group of student volunteers who contributed in a big way in organising the event. Thus, Prayas saw student contribution at various levels as participants, volunteers, comperes and a willing audience. Each role had much to gain from the event in terms of learning.

The valedictory function commenced at 4:00 pm in the presence of all our dignitaries. The Co-coordinator – Prayas 2019, Ms Arti Bhatnagar presented a report summarising the event followed by a video showcasing the glimpses of Prayas 2020. The Chief Guest provided his valuable feedback to all based on his interaction with the students. Two of our student participants also shared their experience with the audience. The prize distribution commenced by declaring the winners. Our dignitaries then presented the certificates to the volunteers and participants. The valedictory function concluded with the vote of thanks delivered by Co-coordinator Prayas 2020, Ms Astrid Dsouza.

Prepared by:

Ms Deepa Panakkal
Coordinator
Prayas 2020

FACULTY ACHIEVEMENTS

- 1) Dr. Poonam Hemnani received a research grant sanctioned under Minor Research Project by University of Mumbai for “Kinetic Study of Organic Reactions”.
- 2) Ms. Deepa Panakkal presented a paper titled “M-learning: Optimum Usage of Technology for Accessibility and Effectiveness Beyond Classroom” in International Conference on Humanities, Science and Technical Education (CHSTE) under Multicon-W 2020 organised by Thakur college of Engineering and Technology, Mumbai on 28-29 February 2020.
- 3) Mr. Praveen Mathew Kurien has been selected as translator for NPTEL lectures.

STUDENT ACHIEVEMENTS

- 1) Keegan Vaz of FE CMPN B created a website as a part of his two-months Internship as a ‘Web Developer’ at Calibrant Classes Pvt. Ltd. From 25th April to 25th June 2020.

DEPARTMENT OF COMPUTER ENGINEERING



RESEARCH AND DEVELOPMENT ACTIVITIES

WORKSHOP REPORT ON “WEB TECHNOLOGIES”

1. Date of the Workshop: 17/02/20 and 18/02/20 (2 Days)

2. Title of the Workshop: “Web Technologies”

3. Name of the Speaker/Resource person with Affiliation with the institute/industry:

Ms. Bidisha Roy, SFIT, Mumbai

Ms. Varsha Nagpurkar, SFIT, Mumbai

Ms. Pratibha Rane, SFIT, Mumbai

4. Venue of the Workshop: Lab no-421(New Building)

5. Duration of the Workshop: 2 Days

6. Conducted For: CMPN Faculty

7. Objective of the Seminar/Workshop /Curriculum Gap identified/Other than that:

The objective of the workshop was basically to ensure that the faculties can understand the principles of creating an effective web page, including an in-depth consideration of information architecture and to become familiar with graphic design principles that relate to web design and learn how to implement theories into practice.

8. Contents of the Seminar/Workshop:

The following topics were being discussed by the speaker Ms. Bidisha Roy

1. HTML Tags and attributes, Structure of an HTML Document, Text Formatting Tags, Marquee Tag, Comment Tag, Special Characters, Hyperlinks, Lists, Table Tag

2. Different examples which demonstrates the above tags

The following topics were being discussed by the speaker Ms. Varsha Nagpurkar

1. HTML Form tag and attributes, Form text fields, password fields, submit button, reset button, form radiobutton, checkboxes, input type=color or date or file, Formtextareatag, selecttag, optgrouptag, datalisttag, output tag

2. Different examples which demonstrates the above tags

The following topics were being discussed by the speaker Ms. Pratibha Rane

1. Audio and video tags in HTML 5.0

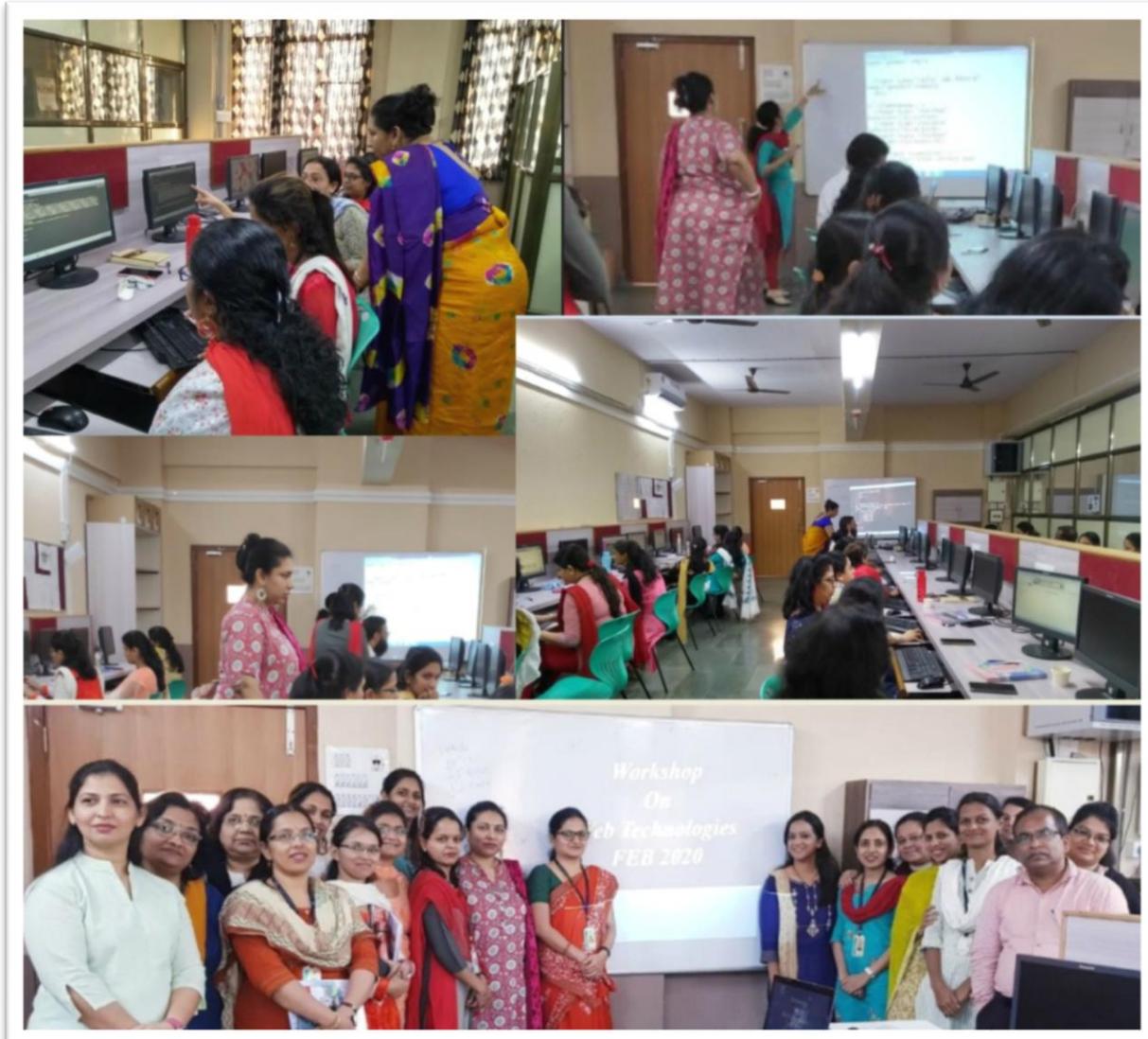
2. Different examples which demonstrates the above tags

9. Description of the Entire Event

The Computer Department of St. Francis Institute of technology organized a workshop on “Web Technologies” on 17/02/20 and 18/02/20 from 10 to 2 in SFIT, Lab no-421 in new building. The main objective of the workshop was

- (a) Develop skills in analyzing the usability of a web site
- (b) Understand how to plan and conduct user research related to web usability.
- (c) Learn the language of the web:HTML

There were approximately 25 faculty participants who attended the workshop.



Report prepared by- Ms. Varsha Nagpurkar

SEMINAR REPORT ON “WORK ETHICS”

1. Date of the Seminar/Workshop: 28-02-2020

2. Title of the Seminar/Workshop: “Work Ethics”

3. Name of the Speaker/Resource person with Affiliation with the institute/industry:

Fr. (Dr.) Keith D’souza

4. Venue of the Seminar/Workshop: TPO Seminar Hall

5. Duration of the Seminar: 2 Hours

6. Conducted For: TE and BE CMPN Department Students

7. Objective of the Seminar/Workshop /Curriculum Gap identified/Other than that:

The objective of the Seminar was basically to ensure that the students develop work ethics skills such as being on time, positive attitude, positive body language etc. required in their professional career.

8. Contents of the Seminar/Workshop:

Many contents were being discussed by the speaker Fr. (Dr.) Keith D’souza such as-

- Importance of success
- Different Case studies were undertaken based on Work Ethics
- Kohlberg’s stages of moral development categories
- Skills required for Prosperity of the country
- Develop intimate office relationships

9. Description of the Entire Event

The Computer Department of St. Francis Institute of technology organized a seminar on “Work Ethics” on Friday 28th February-2020 between 3 to 5 in SFIT, TPO Seminar Hall. The main objective of the seminar was

- (a) To understand the moral values that ought to guide the Engineering profession.
- (b) To resolve the moral issues in the profession,
- (c) To justify the moral judgment concerning the profession, moral communication, to express and support one's views to others.

There were approximately 224 student participants and 6 faculty participants who attended the seminar. The program was started with welcome speech by a student volunteer Mr. VeerusD’mello where he introduced the Speaker. Later, Fr. (Dr.) Keith D’Souza took over the session. The speaker started his talk by raising the following questions:

1. What is the importance of success?
2. What do you mean by body language?

After that different case studies were undertaken based on Work Ethics. He discussed Kohlberg's stages of moral development categories, Skills required for Prosperity of the country and how to develop intimate office relationships.

This program helped students to sets the right culture, builds a good reputation and helps remain in compliance with laws and regulations.



Prepared by:Ms. Varsha N and Ms. Snehal K.

CodeXpress3.0

(Event Report)

Date: 7th March 2020

Day: Saturday

Time: 10:00 am to 5:00 pm

Venue: Room: Room No. 114, SFIT

No. of Participants: 87

CodeXpress 3.0 is the third edition of the coding competition organized by the Code-X team for their fellow coders. This competition was conducted on 7th March 2020. The competition was divided into two sections which were the Alpha level competition which provided the maximum number of participants and the Beta level competition. There were a total of 87 participants for this competition among which 65 were for the Alpha competition, and 22 were for the Beta competition. As it was a competitive competition we used the Techgig platform to organize it.

The Alpha level competition was typically held for coders who had previous experience in taking part in such competitive competitions. At the Alpha level, the participants could participate as a solo competitor or in a group of two. A total of eight questions were divided into three sections according to the level of difficulty starting from easy to hard.

The Beta level competition was held for coders who had no former experience taking part in such competitive competitions and for beginners who genuinely wanted to improve their competitive coding and test their coding skills. In the Beta level, the participants could participate as a solo competitor or in a group of two. A total of twelve questions were divided into three sections according to the level of difficulty starting from easy to hard. Mentors were provided to the participants if they needed help during the competition. Also during the competition all the participants were provided with tea and coffee according to their convenience.

There was a tough competition between the participants for winning the prize money.

Winners of CodeXpress 3.0 and their respective cash prizes are as follows:

Alpha level:

1st place (Rs.2000/-): Rayyan Merchant and Saurav Joshi

2nd place (Rs.1500/-): Rishabh Bhatnagar

3rd place (Rs. 1000/-): JaineelMamtora and Sanket Dalvi

Beta level:

1st place (Rs.800/-): Krunal Doshi and SiddeshDhoke

2nd place (Rs.500/-): Mark Coutinho and Christina Pereria

At last, to encourage all the participants they were rewarded with a participation certificate and \$200 Amazon web services credits which can be used for their educational needs for future.

To conclude, CodeXpress 3.0 was a successful event organized by CODE-X. It was an excellent opportunity for the participants as they gained the experience of competitive coding and also they increased their skill and confidence in coding.



Winners of CodeXpress 3.0 and the Code-X team



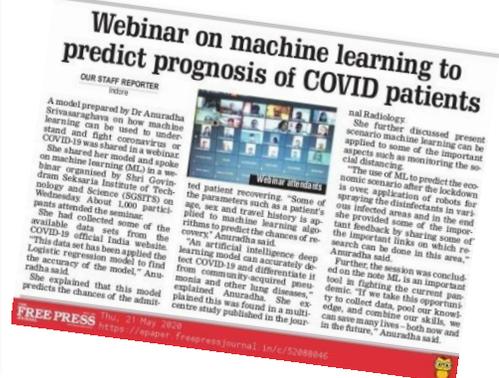
Photos taken during event

Report Prepared by-Ritika Bhole (General Secretary)

FACULTY ACHIEVEMENTS

Congratulations!!

एसजीएसआईटीएस के
वेबिनार में रिकॉर्ड एक
हजार विद्यार्थी शामिल हुए



Ms. Anuradha Srinivasaraghavan conducted 9 webinars related to the topic of Machine Learning in various colleges across India like Fr. Conceicao Rodrigues College of Engineering, Mumbai, SGSITS, Indore, Bhoj Reddy Institute of Technology Telengana, CMR Engineering College etc. For the Webinar organized by SGSITS, Indore in collaboration with Wiley on the topic **“Can ML aid in the prediction of Covid-19 ”** there were over **1000** participants!!



Ms. Shobha Tyagi successfully completed her Ph. D in Mobile Adhoc Networks, "Solving Network Layer Issues for Quality of Service Provisioning in MANETs" from Amity University, Noida on 10th Jan, 2020.

TEACHING FACULTY ACHIEVEMENTS

Certified Online Courses Completed

| Faculty | Course title | Course Details | Duration | Remarks |
|----------------------|--|----------------|----------|------------------------|
| Dr. Kavita Sonawane | Computer Vision - Image Basics with OpenCV and Python | Coursera | 4 Weeks | Successfully Completed |
| | Programming for Everybody- Getting started with Python | Coursera | 7 weeks | Successfully Completed |
| Dakshata Panchal | Python for everyone | Coursera | 7 weeks | Successfully Completed |
| Rupesh Mishra | Deep Learning Specialisation by deeplearning.ai | Coursera | 16 Week | Successfully Completed |
| Dr. Shobha Tyagi | Bits and Bytes of Networking | Coursera | 4 weeks | Successfully Completed |
| | Programming for Everybody- Python Programming | Coursera | 7 weeks | Successfully Completed |
| Ankita Karia | Programming for Everybody- Getting started with Python | Coursera | 7 weeks | Successfully Completed |
| | Python Data Structures | Coursera | 7 weeks | Successfully Completed |
| Vincy Joseph | Introduction to Data Science in Python | Coursera | 4 weeks | Successfully Completed |
| Nidhi Gaur | Programming for Everybody- Python Programming | Coursera | 7 weeks | Successfully Completed |
| | Data Scientist's Toolbox | Coursera | 4 weeks | Successfully Completed |
| K. Priya Karunakaran | Mathematical Thinking in Computer Science | Coursera | 4 weeks | Successfully Completed |
| | C for Everyone: Structured Programming | Coursera | 5 weeks | Successfully Completed |

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|-----------------|---|----------|----------|------------------------|
| SafaHamdare | Python for Data Scien | NPTEL | 4 weeks | Successfully Completed |
| Rajkumar Shende | Android App Components - Intents, Activities, and Broadcast Receivers | Coursera | 4 weeks | Successfully Completed |
| | Android App Components - Services, Local IPC, and Content Providers | Coursera | 4 weeks | Successfully Completed |
| | Wireless Communications for Everybody | Coursera | 4 weeks | Successfully Completed |
| | Open source software development, Linux and Git Specialization | Coursera | 16 weeks | Successfully Completed |
| | Blockchain Specialization | Coursera | 16 weeks | Successfully Completed |
| | Computer security and system management | Coursera | 16 weeks | Successfully Completed |
| Shamsuddin Khan | Fundamentals of Network Communication | Coursera | 5 Week | Successfully Completed |

DEPARTMENTAL RESEARCH ACTIVITES

| Name of Faculty | Project Name | Status of Completion in % |
|--|--------------------------|---------------------------|
| Mr. Rupesh Mishra, Ms. SafaHamdare | Online MCQ | 70% |
| Ms. Jayshree Mittal, Ms. VarshaShrivastava | Exam Seating Arrangement | 20% |

MINOR RESEARCH GRANTS ACHIEVED

| Name of faculty | Project Name | Sanctioned amount |
|---------------------|---|-------------------|
| Ms. DakshataPanchal | Suspect Face Generation | 10000/- |
| Ms. Pradnya Rane | Enhancing security in AADHAAR authentication and preventing unlawful access of CIDR | 30000/- |

PRODUCT DEVELOPMENT/ OUTHOUSE PROJECTS

| Sr.No | Details |
|-------|---|
| 1 | “ Intelligent Healthcare System for Niramay Mother Care Centre ” done by Chettiar Alicia John Britto , Chittilapilly BoscosylvesterJ, Dalvi Saket Milind, Serrao Avril Archi under the guidance of Ms. Anuradha Srinivasaraghavan |
| 2 | “ Route and Cost Optimization ”, Jasmine Pinto, Alston Quadros, Disha Rathod for Syngenta India Limited, Pune under the guidance of Ms. Jayashri Mittal |
| 3 | “ VERA: AI CAREER COACH ”,Arbaz Khan,Vinit Masrani ,Anoop Ojha for Board Infinity, Mumbai under the guidance of Ms. Safa Hamdare |
| 4 | “ Woyse - A Multilingual Entity Recognition System ”, BOROLE BHUSHAN, JAIN RIYA SUBHASH, CARVALHO NISHANT, BHOIR SIDDHESH KISHOR for ‘Woyse’ under the guidance of Mr. Rupesh Mishra |

Short term training programs / Workshop / Seminar conducted

| Sr. No | From Date | To Date | Conducted for | STTP/Workshop/ Seminar Conducted | Topic | Name of the Coordinator |
|--------|-------------------------------|---------|--------------------|----------------------------------|---|--|
| 1 | 29-04-2020 | | Students | Workshop | NodeJS Api Development | Dr. Kavita Sonawane, Mr. Rupesh Mishra, Codex |
| 2 | 8-07-2020 to 14-07-2020 | | Students and Staff | Workshop | Certification course on Web development | Dr. Kavita Sonawane, Mis. Bidisha Roy, Mis.Jayashri Mittal, Ms. Varsha Nagpurkar, Mr. Rupesh Mishra |
| 3 | 17th and 18th Feb-2020 | | Faculty | Workshop held in SGSITS Indore | Web Technologies Workshop (Knowledge Sharing Session for Faculties) | Dr. Kavita Sonawane, Mis. Bidisha Roy, Ms. Varsha Nagpurkar, Ms. Pratibha Rane |

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|----|-----------------------------|------------------------|---|--|---|
| 4 | 28 th Feb-2020 | Students | Seminar | Work Ethics | Ms Varsha Nagpurkar and Ms. Snehal Kulkarni |
| 5 | Feb 15 th , 2020 | Faculty and students | Invited Speaker for Training Program held at SGSITS Indore | Machine Learning using Python | Ms. Anuradha Srinivasaraghavan |
| 6 | April 1, 2020 | Faculty and students | Invited Speaker for Webinar promoted by Wiley | How ML will aid in Covid-19 prediction | Ms. Anuradha Srinivasaraghavan |
| 7 | May 12 th , 2020 | Faculty and students | Invited Speaker for Webinar promoted by CMR Engineering college in collaboration with Wiley | Ensemble Learning In Machine Learning | Ms. Anuradha Srinivasaraghavan |
| 8 | May 19th 2020 | Over 1000 participants | Invited Speaker for Webinar organized by SGSITS in collaboration with Wiley | Can ML aid in the prediction of Covid-19? | Ms. Anuradha Srinivasaraghavan |
| 9 | 26th to 30th May 2020 | Faculty | Resource person for one week faculty development program on “Data Science” organized by Fr.Conceicao Rodrigues College of Engineering | Introduction to Machine Learning | Ms. Anuradha Srinivasaraghavan |
| 10 | June 11th 2020 | Faculty | Resource person for a e-fdp for Bhoj Reddy Institute of Technology Telungana | Introduction to ML with hands-on in Python | Ms. Anuradha Srinivasaraghavan |
| 11 | June 15 2020 | Faculty and students | Resource person for webinar in SFIT | ML for developing nations | Ms. Anuradha Srinivasaraghavan |
| 12 | June 19th 2020 | Faculty | Keynote speaker for National Level SAGE Multiconference in SIRT(Sagar group of Institutions) | SAGE Multiconference | Ms. Anuradha Srinivasaraghavan |

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|----|----------------|---------|--|-----------------------|--------------------------------|
| 13 | 29th June 2020 | Faculty | Resource person for webinar in RV College of Engineering Bangalore | Mathematics behind ML | Ms. Anuradha Srinivasaraghavan |
|----|----------------|---------|--|-----------------------|--------------------------------|

Short term training programs / Workshop / Seminar attended

| S. No | From Date | To Date | Conducted for | STTP/Workshop/Seminar Conducted | Topic | Name of the faculty |
|-------|-----------------------------------|---------|----------------------|---------------------------------|---|---------------------|
| 1 | 28-05-2020 to 31-05-2020 | | Faculty | Workshop | The Art of Living - Online Meditation & Breath Workshop | Mr. Rupesh Mishra |
| 2 | 30/05/2020 - 03/06/2020 | | Faculty | 5 days FDP | Disruptive Technologies 4.0 | Dr. Shobha Tyagi |
| 3 | 01/05/2020-06/05/2020 | | Faculty and Students | 6 days Workshop | R Programming | Dr. Shobha Tyagi |
| 4 | 15/06/2020-20/06/2020 | | Faculty | One week FDP | Python 3.4.3 | Ankita Karia |
| 5 | 06/04/2020-25/04/2020 | | Faculty | MOOC by IIT | CPP | |
| 6 | 15th June 2020 to 19th June 2020. | | Faculty | One week FDP | Improving Teaching Learning Experience using Best Practices' | Jayashri Mittal |
| 7 | 15.05.2020 to 19.05.2020 | | Faculty | One week FDP | Introduction to Forensic Science and Digital & Cyber Forensics" | |
| 8 | 15-19 May-2020 | | Faculty | One Week Online FDP | Introduction to Forensics Science and Digital and Cyber Forensics | |

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|----|-----------------------|----------------------|---------------------------------------|--|-----------------|
| 9 | 28April- 4th May 2020 | Faculty | One Week Online FDP | Python | Jayashri Mittal |
| 10 | 29th May | Faculty | Webinar on NDLI | Digital library | |
| 11 | 22nd May, 2020 | Faculty | Webinar | Online teaching and learning using Google classroom and Google meet | |
| 12 | 26-30may | Faculty | One week FDP | DATA Science | Snehal Kulkarni |
| 13 | 29april | Faculty and students | Digital citizenship and safety course | Digital security | |
| 14 | 25-29 April | Faculty | TEQIP sponceredOne week FDP | Digital forensics and security research | |
| 15 | 22-26june | Faculty | 5 days STTP | Data science and information security | |
| 16 | 13-14 june | Faculty | 2 days national workshop | Trends in cyber security | |
| 17 | 25-27 May | Faculty | 3 days STTP | Data migration and reconciliation of big data | |
| 18 | 30May-3June | Faculty | National level 5 days FDP | Disruptive technology of industry 4.0 | |
| 19 | 15 june | Faculty | Webinar on | ML for developing nations | |
| 20 | 11-15 May | Faculty | One week FDP | Outcome based education:a step towards excellence | |
| 21 | 16-21 Dec 2019 | Faculty | TEQIP sponcered 6 days FDP | Deep learning theory and applications for engineers | |
| 22 | 24-29 Feb 2020 | Faculty | AICTE Sponcered6 days STTP | Perspectives on data analytics with advances in software engineering | |

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|----|----------------------|----------------------|---|---|----------------------|
| 23 | 29th May | Faculty | Webinar on NDLI | Digital library | Snehal Kulkarni |
| 24 | 13-14 June-2020 | Faculty | 2 days national workshop | Trends in cyber security | Ms. Varsha Nagpurkar |
| 25 | 15 June-2020 | Faculty | Webinar on "ML for developing nations" | ML | |
| 26 | 30May-3June-2020 | Faculty | National level 5 days FDP | Disruptive technology of industry 4.0 | |
| 27 | 26-30 May-2020 | Faculty | One Week Online FDP | Data Science | |
| 28 | 15-19 May-2020 | Faculty | One Week Online FDP | Introduction to Forensics Science and Digital and Cyber Forensics | |
| 29 | 28th-30th May-2020 | Faculty | 3 Days Online Workshop | Education 4.0-Season-II | |
| 30 | 15th June | Faculty | Webinar on "ML for developing nations" | ML | |
| 31 | 15th June -19th June | Faculty | One week FDP on improving teaching learning experience using best practices | Teaching-learning | Nidhi Gaur |
| 32 | 30th May | Faculty and Students | Webinar on "Academics to Industry: Pointers to Success" | Academics to Industry | |
| 33 | 31st May | Faculty | Webinar on Emergence of Data Analytics and its impact | Data Analytics | |

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|----|-----------------------------|-------------------|--------------------------------|--|-----------------|
| | | | on Data Warehouse | | |
| 34 | 29th May | Faculty | Webinar on NDLI | Digital library | Nidhi Gaur |
| 35 | 24-29 Feb 2020 | Faculty | AICTE Sponcered6 days STTP | Perspectives on data analytics with advances in software engineering | Safa Hamdare |
| 36 | 15-19 May-2020 | Faculty | One Week Online FDP | Introduction to Forensics Science and Digital and Cyber Forensics | |
| 37 | 27th May - 31st May 2020 | Faculty/ students | Workshop on Programming Fiesta | Ethereum powered DAPP development in Blockchain Technology | |
| 38 | 9th May | Faculty | Webinar | Advanced OBE- Identifying weaker students and remedial actions | Shamsuddin Khan |
| 39 | 13th and 14th May | Faculty | Two days | National level FDP Program by North Storm Academy | |
| 40 | 15-19 May-2020 | Faculty | One Week Online FDP | Introduction to Forensics Science and Digital and Cyber Forensics | |
| 41 | 25th-29th May-2020 | Faculty | International FDP | Innovative Trends in Engineering and Technology | |
| 42 | 26-30 May-2020 | Faculty | One Week Online FDP | Data Science | |
| 43 | 30May-3June-2020 | Faculty | National level 5 days FDP | Disruptive technology of industry 4.0 | |
| 44 | 15th June | Faculty | Webinar | Star Robotics X-pert | |
| 45 | 15th june | Faculty | Webinar | ML for Developing Nations | |
| 46 | 15th June 2020 to 19th June | Faculty | One week | Improving Teaching Learning Experience | |

| | 2020. | | FDP | using Best Practices' | |
|----|--|---------|-----------------------------------|--|----------------------|
| 47 | 15 th June 2020 | Faculty | Webinar | ML for Developing Nations | K. Priya Karunakaran |
| 48 | 6 th June 2020 | Faculty | Webinar | Enhancing Research Visibility through Academic Social Networks | |
| 49 | 29 th May, 2020 | Faculty | Webinar | NDLI User Awareness | |
| 50 | 21st May to 23rd May 2020. | Faculty | Three Days National Level Webinar | Exploring Current Trends in Information Technology | |
| 51 | 22nd May, 2020. | Faculty | Webinar | Online teaching and learning using Google classroom and Google meet | |
| 52 | 22nd May, 2020. | Faculty | National Level Webinar | Utilising Digital Resources for E-Content development & Designing. | |
| 53 | 22nd May 2020 | Faculty | Webinar | Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for ME (Millennial Engineers) | |
| 54 | 9 th May 2020 | Faculty | Webinar by Inpods-Tech | Advanced OBE- Identifying weaker students and remedial actions | |
| 55 | 13 th and 14 th May 2020 | Faculty | 2 day National level FDP | FDP Program 2.0 | |
| 56 | 9 TH May 2020 | Faculty | One day National Webinar | Effective Ways To Develop E-Content | |
| 57 | 25-05-2020 to 29-05-2020 | Faculty | One week online-STTP | Recent Trends and Applications of Machine Learning and Deep Learning in IT | |

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|----|----------------------------------|----------------------|----------------------------|---|---------------------|
| 58 | 24-29 Feb 2020 | Faculty | AICTE Sponcered6 days STTP | Design Thinking and Risk Mitigation to Enhance Educational Productivity | Dr. Kavita Sonawane |
| 59 | 22nd May, 2020. | Faculty | Webinar | Online teaching and learning using Google classroom and Google meet | |
| 60 | 11-15 May 2020 | Faculty | One week FDP | Outcome based education:a step towards excellence | |
| 61 | 20- 25 May 2020 | Faculty | One Week FDP | R Programming | |
| 62 | 25th-29th May-2020 | Faculty | International FDP | Innovative Trends in Engineering and Technology | |
| 63 | 29th May 2020 | Faculty | Webinar on NDLI | Digital library | |
| 64 | 30May-3June-2020 | Faculty | National level 5 days FDP | Disruptive technology of industry 4.0 | |
| 65 | 6 th June 2020 | Faculty | Webinar | Enhancing Research Visibility through Academic Social Networks | |
| 66 | 29 April to 2 May 2020 | Faculty | 4-days Online Course | Examination Reformsby AICTE. | |
| 67 | 6 th June 2020 | Faculty and Students | Webinar | Has Deep Learning Approaches Made Image processing Irrelevant | |
| 68 | 15th June 2020 | Faculty | Webinar | ML for Developing Nations | |
| 69 | 23rd May, 2020 to 27th May, 2020 | Faculty and Students | Webinar Series | Machine Learning and Artificial Intelligence from | |
| 70 | 16 th May 2020 | Faculty | Webinar | NAAC: Systematic Data organization and Presentation | |

FACULTY PUBLICATIONS

| Sr. No | Faculty | Title | Description | Date |
|---------------|----------------------|---|---|-------------|
| 1 | Ms. Dakshata Panchal | Surface Approximation using Uniform Mesh Coarsening with Minimal Angle Enhancement | 3rd IEEE International Conference on Communication Systems, Computing & IT Applications (CSCITA 2020) | April 2020 |
| 2 | Ms. Dakshata Panchal | Suspect Face Generation(Received Best Paper Award in CSCITA2020) | 3rd IEEE International Conference on Communication Systems, Computing & IT Applications (CSCITA 2020) | April 2020 |
| 3 | Mr. Rupesh Mishra | Food Traceability System Using Blockchain and QR Code | Proceedings of the International Conference on Blockchain Technology. Springer, Singapore | June 2020 |
| 4 | Ms. Snehal Kulkarni | Word transcription of MODI script to Devanagari using deep neural network | 3rd IEEE International Conference on Communication Systems, Computing & IT Applications (CSCITA 2020) | June 2020 |
| 5 | Ms Snehal Kulkarni | Fusion of selection parameters for customer behaviour prediction based on web usage mining. | 3rd IEEE International Conference on Communication Systems, Computing & IT Applications (CSCITA 2020) | June 2020 |
| 6 | Pradnya Rane | Personality Assessment using social media for hiring candidates | 3rd IEEE International Conference on Communication Systems, Computing & IT Applications (CSCITA 2020) | April 2020 |
| 7 | Ms. Varsha Nagpurkar | Fusion of selection parameters for customer behaviour prediction based on web usage mining. | 3rd IEEE International Conference on Communication Systems, Computing & IT Applications (CSCITA 2020) | June 2020 |
| 8 | Ms. SafaHamdare | Natural Language Processing based Text Summarization and Querying Model | 4th International Conference on Inventive Systems and Control (ICISC 2020) | Jan 2020 |

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|---|---------------------|--|--|---------------|
| 9 | Mr. Shamsuddin Khan | Show and Tell:A Neural Visual Story-Teller | 3rd International Conferences on Advances in Sciences and Technology(ICAST-2020) | 28th May 2020 |
|---|---------------------|--|--|---------------|

NON- TEACHING FACULTY ACHIEVEMENTS

Short term training programs / Workshop / Seminar attended

| S. No | Date | Conducted for | STTP/Workshop/Seminar Conducted | Topic | Faculty |
|-------|----------------------------|---------------|--|--|----------------------|
| 1 | 10 th July 2020 | Faculty | Webinar | Virtual Labs: Effective Tool for Teaching and Learning | Mrs. Vaishali Rahate |
| 2 | 10 th July 2020 | Faculty | Webinar | Virtual Labs: Effective Tool for Teaching and Learning | Ms. Nivedita Chavan |
| 3 | 27-04-2020 to 29-04-2020 | Faculty | National Workshop | Workshop on Role of Non-teaching Staff Members in NAAC Accreditation | Mr. Mandar Rane |
| 4 | 26-05-2020 to 30-05-2020 | Faculty | Short term training programs | One Week Online Training Program on "Introduction To Computer" | |
| 5 | 28-05-2020 to 30-05-2020 | Faculty | Online Quiz | “MS-Office for Non-Teaching Staff” | |
| 6 | 01-06-2020 to 05-06-2020 | Faculty | National Level Skill Development Program | “Advanced Tools and Concepts for Lab Development and Maintenance” | |
| 7 | 15-06-2020 | Faculty | Webinar | ML for Developing Nations | |
| 8 | 18-06-2020 | Faculty | Webinar | "Libraries and Tools for Machine Learning" | |

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|----|--|----------------------|--|---|-------------------|
| 9 | 21-06-2020 | Faculty and Students | Webinar | YOGA KARONA” on the occasion of International Yoga Day | Mr. Sachin Sawant |
| 10 | 10 th July 2020 | Faculty | Webinar | Virtual Labs: Effective Tool for Teaching and Learning | |
| 11 | 24 th June 2020 | Faculty | Online Quiz | Machine Tools | |
| 12 | 3 rd June 2020 - 13 th June 2020 | Faculty | Workshop | National Level Bootcamp on Computer Networks and Information Security | |
| 13 | 9 th June 2020- 11 th June 2020 | Faculty | National level Online Quiz | DBMS Concepts with SQL | |
| 14 | 8 th June 2020 | Faculty | Online Quiz | Operating System | |
| 15 | 6 th June 2020 | Faculty | Online Quiz | C Programming | |
| 16 | 01-06-2020 to 05-06-2020 | Faculty | National Level Skill Development Program | “Advanced Tools and Concepts for Lab Development and Maintenance” | |
| 17 | 28-05-2020 to 30-05-2020 | Faculty | Online Quiz | “MS-Office for Non-Teaching Staff” | |

CERTIFIED ONLINE COURSES COMPLETED

| Faculty | Course title | Course Details | Duration | Remarks |
|-----------------|---|--|----------|------------------------|
| Johnson Pen | FDP on Moodle Learning Management System | Vidyalankar School of Information Technology | 5 Days | Successfully Completed |
| Mandar Rane | Linux Server Management and Security | COURSERA | 5 weeks | Successfully Completed |
| Vaishali Rahate | General Knowledge of Information Technology | Fr. C. Rodrigues Institute of Technology | 1 Day | Successfully Completed |
| | Linux by developers | COURSERA | 5 weeks | Successfully Completed |
| Nivedita Chavan | General Knowledge of Information Technology | Fr. C. Rodrigues Institute of Technology | 1 Day | Successfully Completed |
| | Linux by developers | COURSERA | 5 weeks | Successfully Completed |
| Sachin Sawant | Certified Network Security Specialist | International Cyber Security Institute, UK | 1 Month | Successfully Completed |
| Kirti Naik | Linux tools for developers | COURSERA | 5 week | Successfully Completed |

STUDENT ACHIEVEMENTS

“CONGRATULATIONS TO ALL THE TOPPERS!!”

(Result of Dec 2019)

| Sr. No. | Class | Student Name | CGPA | Rank |
|---------|-------------------|------------------------------------|-------|------|
| 1 | SE | NORONHA DARREL HENRY DIANA | 10 | 1 |
| 2 | SE | DEULKAR SMITA GANESH GAYATRI | 10 | 1 |
| 3 | SE | SOLANKI YASH SANDEEPKUMAR NEEPA | 9.87 | 2 |
| 4 | TE | MORAES ROSHAL SURESH LILLY | 9.93 | 1 |
| 5 | TE | JHA SNEHA MANOJ SUNITA | 9.74 | 2 |
| 6 | BE | TANNA TALISHA DEEPAK DHARMISTHA | 9.85 | 1 |
| 7 | BE | TAVARES CELESTE EDMUND MARIA | 9.665 | 2 |
| 8 | ME- First year | D'SOUZA CLETUS | 8.52 | 1 |
| 9 | | RESHMA GEORGE | 8.00 | 2 |
| 10 | ME | ALVA MICHELLE` | 9.85 | 1 |
| 11 | | DSOUZA STEPHINA | 9.42 | 2 |

“SPONSORED PRIZES”*(Awarded during IRIS 2020)*

| Sr. no | Name of the award | Awarded to | Subject | Marks | Exam | Sem & branch |
|---------------|---|-----------------------------------|--|--------------|-------------|-------------------------|
| 1 | Dr. Shekharchand Jain Prize Constituted By Mr. Mayank Jain Ex- Student, SFIT | D'Souza Ansel | Engg Drawing | 73/ 75 | May-19 | SEM II /FE |
| 2 | Shri. Dharmendra K Agrawal Prize Constituted By Ms. Deepti Agrawal Ex- Student, SFIT | Moraes Roshal S hairley Suresh | Micro- processor- 1 | 90/ 100 | Dec-18 | SEM V/ CMPN |
| 3 | Late Aubrey D'Almeida Memorial Award. Constituted By His Parents P. D'Almeida & Ida Almeida | Serro Avril Archi | Mobile Communication & computing | 87/ 100 | Dec-19 | SEM VI/ CMPN |
| 4 | Late Princely D'Silva Constituted By Department of Computer Engineering | Chittilapilly Bos co Sylvester | Best Student of Computer Engg. Dept. | --- | 2018-19 | Final Year/ CMPN |

Congratulations!!

Mr. Harsh Jalan, Mr. Gautam Maurya, Mr. Sunny Dsouza final year students of Computer Dept., won the **Best Paper Award** for their paper titled "**Suspect Face Generation**" in the 3rd International Conference on Communication System, Computing and IT Applications (**CSCITA**), held in April 2020. Their project was guided by Ms. Dakshata Panchal. Through their project they built a suspect face generation system using Generative Adversarial Network (GAN) is a way of training a Neural Network to output images which belong to a specific class. This system will help the society in reduction of misidentification of crime suspects and considerably reduce the crime rate.

Mr. Jayesh Kedar, Ms. Maria Varghese, Ms. Vanessa D'souza, Mr. Akshay Belankar, final year students of Computer Dept., won the **First Prize** at the "**Techno Exhibition and Model making competition**", at **Sameer, IIT Bombay** on Science Day 2020, for their project model titled "Treating Phobia using Virtual Reality" under the guidance of Ms. Dakshata Panchal. Their project was about treating the patients with the phobia, a type of anxiety disorder using the concept of virtual reality in artificial intelligence where the patient can interact with the artificial environment to get over the anxiety disorder.



Mr. Rishabh Bhatnagar, final year student, got selected as **Student Developer** in **Google Summer of Code 2020**.

STUDENT ACTIVITIES

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

| SR. No. | Event Date | Title of Workshop/ Event Name | Name of the student | Class/ Sem/ Div | Venue | No. of students attended the workshop | No. of members in group | Professional Body associated |
|---------|--------------------|------------------------------------|---------------------|-----------------------|---------------------------------|---------------------------------------|-------------------------|------------------------------|
| 1 | 11th June 2020 | Let's Talk Series AI Vs. ML Vs. DS | Harsh Jalan | BE CMPN B | Online (Youtube/FB live) | 160 (live) | 1 | What After College |
| 2 | 8-9th FEB 2020 | Machine Learning - 2 Days Workshop | Harsh Jalan | BE CMPN B | IIIT Hyderabad | 60 | 1 | EduFabrica |
| 3 | 26-27th FEB 2020 | Artificial Intelligence Workshop | Harsh Jalan | BE CMPN B | Thakur College of Engg. (TCE T) | 30 | | CSI and AnviraEdustat ion |
| 4 | 18-19 January 2020 | HACKATHON | Arbaz Khan | BE CMPN B | SPIT | | | AICTE-ISTE |
| 5 | 28 th JANUARY 2020 | HACKATHON | Arbaz Khan | BE CMPN B | TSEC | | | AICTE-ISTE |
| 6 | 29th February 2020 | Hackathon | Arbaz Khan | BE CMPN B | Saboo Siddiq | | | AICTE-ISTE |
| 7 | 6 February 2020 | Hackathon | Arbaz Khan | BE CMPN B | AIDL | | | AICTE-ISTE |
| 8 | 12-17th MAY 2020 | Tension flow workshop | Sumit Rodrigues | BE CMPN B | SFIT | 60 | 1 | SFIT |
| 9 | 1 - 2 February | Hackathon | Vinit Masrani | BE CMPN B | SPIT | | | SPIT- CSI |

| | | | | | | | | |
|----|-----------------------------------|---|-------------------------|--------------|------------------|------|----|-------------------------|
| | 2020 | | | | | | | |
| 10 | 5 - 6 February 2020 | Hackathon | Vinit Masrani | BE CMPN B | TSEC | | | CodeCell |
| 11 | 11 - 12 January 2020 | Hackathon | Vinit Masrani | BE CMPN B | SFIT | | | College |
| 12 | 8 - 9 February 2020 | Workshop - Video Editing | Vinit Masrani | BE CMPN B | SFIT | | | CSI SFIT |
| 13 | 22-23 February 2020 | Workshop - Ethical Hacking | Vinit Masrani | BE CMPN B | SFIT | | | CSI SFIT |
| 14 | 21 - 22 March 2020 | Hackathon | Vinit Masrani | BE CMPN B | Fr. AGNE L | | | Student Body |
| 15 | 08-02-2020 | Graphics- Video Editing | Darrel Noronha | TE CMPN B | SFIT | 25 | 2 | CSI |
| 16 | 08-02-2020 | Graphics- Video Editing | Roshani Poojary | TE CMPN B | SFIT | 25 | 0 | CSI |
| | 08-02-2020 | Graphics- Video Editing | Shivani Raul | TE CMPN B | SFIT | 25 | - | Event Oraganizer,CSI |
| | 7th March 2020 | CodeXpres s 3.0 | Ansel Francis Dsouza | SE CMPN A | SFIT | 120+ | 15 | SFIT / CodeX |
| | 18th January & 8th February | Photograph y and Video Editing workshop | Darren Felix Noronha | SE CMPN A | SFIT | 30+ | 10 | E-CELL SFIT |
| | 7th March 2020 | CodeXpres s 3.0 | Bhoomika Mewada | SE CMPN A | SFIT | 120+ | 15 | SFIT / CodeX |
| | 28th February,20 20 | Workplace Ethics Seminar | Aditya Sutar | SE CMPN A | SFIT | 80+ | 15 | SFIT/ ISTE |
| | 13-14th March | Pragati | ShardulWavha 1 | SE CMPN B | SFIT | 200 | | E-Cell |

| | | | | | | | | |
|--|---------------|-------------------|------------------|-----------|-----------|----------------------|----|--|
| | February 2020 | Workshops for CSI | ShardulWavha 1 | SE CMPN B | SFIT Labs | 80-100 each workshop | 25 | CSI |
| | 13-14 March | Pragati | Mandar Angchekar | SE CMPN B | SFIT | 200 | | E CELL |
| | FEB 2020 | MULTICO N-W | Mandar Angchekar | SE CMPN B | TCET | 100 | | Thakur college of Engineering and Technology |

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

| Sr. No. | Event Date | Title of Workshop/ Event Name | Name of the student | Class / Sem / Div | Venue | No. of members in group | Participated/ Achievement | Professional Body associated |
|---------|---------------|-------------------------------|---------------------------|-------------------|--------------------|-------------------------|---------------------------|------------------------------|
| 1 | 28th FEB 2020 | SAMEER Technology Challenge | AkshayBelinekar | BE CMPNA | SAMEE, IITB, Powai | 4 | 1st Place | SAMEER |
| 2. | 28th FEB 2020 | SAMEER Technology Challenge | Vanessa D'souza | BE CMPNA | SAMEE, IITB, Powai | 4 | 1st Place | SAMEER |
| 3. | 28th FEB 2020 | SAMEER Technology Challenge | Kannittayl Maria Varghese | BE CMPNA | SAMEE, IITB, Powai | 4 | 1st Place | SAMEER |
| 4. | 28th FEB 2020 | SAMEER Technology Challenge | Jayesh Kedar | BE CMPNA | SAMEE, IITB, Powai | 4 | 1st Place | SAMEER |
| 5. | 4th April | CSCITA 2020 | Harsh Jalan | BE CMPN B | Online via Zoom | 5 | Best Paper Award | IEEE SFIT |
| 6 | 4th April | CSCITA 2020 | Sunny Dsouza | BE CMPN B | Online via Zoom | 5 | Best Paper Award | IEEE SFIT |
| 7 | 4th April | CSCITA 2020 | Gautam Maurya | BE CMPN B | Online via Zoom | 5 | Best Paper Award | IEEE SFIT |
| 8 | 4th April | CSCITA 2020 | Canute Corda | BE CMPN B | Online via Zoom | 5 | Best Paper Award | IEEE SFIT |

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|-----|------------------|--|-----------------------|-----------|--------------|---|------------------|-------------|
| 9 | 28th FEB 2020 | SAMEER Technology Challenge | Harsh Jalan | BE CMPN B | SAMEER, IITB | | Participated | SAMEER |
| 10 | 28th FEB 2020 | SAMEER Technology Challenge | Arbaz Khan | BE CMPN B | SAMEER, IITB | | Participated | SAMEER |
| 11 | 28 February 2020 | Sameer Project Competition | Vinit Masrani | BE CMPN B | SAMEER, IITB | | Participated | SAMEER |
| 12 | 07-02-2020 | Microsoft Python 98-381 Exam | Sara Shaikh | TE CMPN B | SFIT | | Participated | TPO |
| 13. | 7-2 2020 | College pond GRE seminar | Selas Sebastian Moro | SE CMPN A | SFIT | 1 | Participated | Ecell |
| 14 | 7-3-2020 | EndeavorGre Seminar | Selas Sebastian Moro | SE CMPN A | SFIT | 1 | Participated | Ecell |
| 15 | 18-4-2020 | Blockchain and bitcoins | Selas Sebastian Moro | SE CMPN A | Udemy | 1 | Completed Course | Udemy |
| 16 | 26/06/2020 | Getting Started with Application Development | Chelsea George Dsouza | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 17 | 17-05-2020 | KubixSquare Lockdown Contest | Ansel Francis Dsouza | SE CMPN A | Code chef | 1 | Participated | KubixSquare |
| 18 | 26/05/2020 | Google cloud platform fundamentals : Core infrastructure | Chelsea George Dsouza | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 19 | 03-05-2020 | Introduction to Data Science in Python | Ansel Francis Dsouza | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 20 | 12-05-2020 | HTML, CSS, and Javascript for | Ansel Francis Dsouza | SE CMPN A | Coursera | 1 | Completed Course | Coursera |

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|----|------------|--|----------------------|--------------|-----------|---|------------------|------------------------------------|
| | | Web Developers | | | | | | |
| 21 | 23-05-2020 | Python Project: pillow, tesseraact, and OpenCV | Ansel Francis Dsouza | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 22 | 20-05-2020 | Introduction to Search Engine Optimization | Ansel Francis Dsouza | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 23 | 22-05-2020 | Webinar on 'Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) | Chelsea Dsouza | SE CMPN A | SFIT | 1 | Participated | St Francis Institute Of Technology |
| 24 | 22-05-2020 | How To Build A Rockstar LinkedIn Profile | Ansel Francis Dsouza | SE CMPN A | SFIT | 1 | Participated | IEEE |
| 25 | 17-05-2020 | Kubix Square Lockdown Contest | Bhoomika Mewada | SE CMPN A | Code chef | 1 | Participated | KubixSquare |
| 26 | 9-05-2020 | Programming Foundations with JavaScript, HTML and CSS | Bhoomika Mewada | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 27 | 11-04-2020 | Python Programming for Everybody | Bhoomika Mewada | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 28 | 11-05-2020 | Digital Business Models | Bhoomika Mewada | SE CMPN A | Coursera | 1 | Completed Course | Coursera |

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| 29 | 20-06-2020 | Linear Regression with NumPy and Python | Bhoomika Mewada | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 30 | 12-07-2020 | Introduction to HTML5 | Bhoomika Mewada | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 31 | 7-2-2020 | Endeavour GRE seminar | Bhoomika Mewada | SE CMPN A | SFIT | 1 | Participated | Ecell |
| 32 | 22-05-2020 | Webinar on 'Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) | Bhoomika Mewada | SE CMPN A | SFIT | 1 | Participated | SFIT |
| 33 | 22-2-2020 and 23-2-2020 | Ethical Hacking Workshop | Bhoomika Mewada | SE CMPN A | SFIT | 1 | Participated | CSI |
| 34 | 18-1-2020 | Amazon Alexa | Bhoomika Mewada | SE CMPN A | SFIT | 1 | Participated | ISTE |
| 35 | 12-06-2020 | Learn Python Programming masterclass | Bhoomika Mewada | SE CMPN A | Udemy | 1 | Participated | Udemy |
| | 2-05-2020 | Career Edge - Knockdown the Lockdown | Bhoomika Mewada | SE CMPN A | TCS -ion | 1 | Participated | TCS ion |
| 36 | 31-05-2020 | CodeAger | Bhoomika Mewada | SE CMPN A | Hackerrank | 1 | participated | IEEE VIT |
| 37 | 20-05-2020 | Fundamentals Of Computer Science | Bhoomika Mewada | SE CMPN A | GOOGLE FORM | 1 | Participated | VIVA INSTITUTE OF TECHNOLOGY |
| 38 | 04-05-2020 | How To Build A Rockstar LinkedIn Profile | Neil Albuquerque | SE CMPN A | SFIT | 1 | Participated | IEEE |

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| 39 | 22-05-2020 | Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for ME (Millennial Engineers) | Neil Albuquerque | SE CMPN A | SFIT | 1 | Participated | St Francis Institute Of Technology |
| 40 | 23-05-2020 | Responsible Use Of Medicines | Neil Albuquerque | SE CMPN A | SFIT | 1 | Participated | St Francis Institute Of Technology |
| 41 | 21-06-2020 | YOGA KARONA | Neil Albuquerque | SE CMPN A | SFIT | 1 | Participated | NSS |
| 42 | 25-06-2020 | Mathematics for Artificial Intelligence | Neil Albuquerque | SE CMPN A | Don Bosco Institute of Technology | 1 | Participated | CSI-DBIT |
| 43 | 19-04-2020 | Introduction to HTML5 | Neil Albuquerque | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 44 | 19-06-2020 | Introduction to CSS3 | Neil Albuquerque | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 45 | 25-04-2020 | Joy of computing with python | Bhoomika Mewada | SE CMPN A | NPTEL | 1 | Completed Course | NPTEL |
| 46 | 15-07-2020 | Introduction to HTML5 | Anshul Shetty | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 47 | 1-07-2020 | Data structures using python | Anshul Shetty | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 48 | 11-04-2020 | Python programming for everybody | Anshul Shetty | SE CMPN A | Coursera | 1 | Completed Course | Coursera |

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| 49 | 07/02/2020 | College Pond GRE Seminar | Aditya Sutar | SE CMPN A | SFIT | 1 | Attended | E-CELL |
| 50 | 22/05/2020 | Webinar on 'Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) | Aditya Sutar | SE CMPN A | SFIT | 1 | Participated | SFIT |
| 51 | 03/07/2020 | Getting Started With Python (Introduction to Python) | Aditya Sutar | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 52 | 06/07/2020 | Python Data Structures | Aditya Sutar | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 53 | 06/07/2020 | Using Python To Access Web Data | Aditya Sutar | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 54 | 11/07/2020 | Python For Everybody [Capstone] | Aditya Sutar | SE CMPN A | Coursera | 1 | Completed Course | Coursera |
| 55 | 18-1-2020 | Blender 3D Workshp | Shardul Shroff | SE CMPN B | SFIT | 1 | Participated | ITSA |
| 56 | 22-2-2020 and 23-2-2020 | Ethical Hacking Workshop | Shardul Shroff | SE CMPN B | SFIT | 1 | Participated | CSI |
| 57 | 18-1-2020 | Blender 3D Workshop | Michelle Rathod | SE CMPN B | SFIT | 1 | Participated | ITSA |
| 58 | Feb 2020 | IRIS2020 Literary executive | Kate Rebello | SE CMPNB | SFIT | | Participated | Literary committee |
| 59 | 18-1-2020 | Blender 3D Workshop | Manav Srivastava | SE CMPN B | SFIT | 1 | Participated | ITSA |
| 60 | 2/3/2020 | Codeshastra Hackathon | Kartik Parekh | SE CMPN B | SFIT | 1 | Participated | DJSCE |

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|----|-----------|--|-------------------|--------------|----------------|---|------------------|------------------------------|
| 61 | Feb 2020 | IRIS 2020 | Vishakha Mistry | SE CMPN B | SFIT | 1 | Participated | Cultural Committee |
| 62 | Feb 2020 | IRIS 2020 Cultural Executive | ShardulWavhal | SE CMPN B | SFIT | 1 | Participated | Cultural Committee |
| 63 | Feb 2020 | Ethical Hacking workshop | Mandar Angcheekar | SE CMPN B | SFIT | 1 | Participated | CSI |
| 64 | 17-5-2020 | KubixSquare Lockdown Contest | Shardul Shroff | SE CMPN B | SFIT | 1 | Participated | KubixSquare |
| 65 | 22-5-2020 | Webinar on 'Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) | Shardul Shroff | SE CMPN B | SFIT | 1 | Participated | SFIT |
| 66 | 2-5-2020 | Career Edge - Knockdown the Lockdown | Shardul Shroff | SE CMPN B | TCS ion Portal | 1 | Participated | TCS ion |
| 67 | 31-5-2020 | CodeAger | Shardul Shroff | SE CMPN B | Hackerrank | 1 | Participated | IEEE VIT |
| 68 | 20-5-2020 | Fundamentals Of Computer Science | Shardul Shroff | SE CMPN B | Google Form | 1 | Participated | VIVA INSTITUTE OF TECHNOLOGY |
| 69 | 7-2-2020 | Endeavour GRE seminar | Shardul Shroff | SE CMPN B | SFIT | 1 | Participated | ECELL |
| 70 | Feb-2020 | Firm Level Economics : Consumer and Producer Behaviour | PranavSontake | SE CMPNB | Coursera | 1 | Completed Course | Coursera |
| 71 | Feb-2020 | Web Development | GauravSuvarna | SE CMPN B | Udemy | 1 | Completed Course | Udemy |

EXTRA-CURRICULAR ACTIVITIES

| Sr. No. | Student's Name | Event Name | Class/Sem/Di v | Achievement | College |
|----------------|-------------------------------|---------------------------|-----------------------|---------------------------|----------------|
| 1 | Larissa Pinto | Annual Day | BE CMPN A | Participated | SFIT |
| 2 | HrishikeshTelang | Annual Day | BE CMPN A | Participated | SFIT |
| 3 | Gandharva | Annual Day | BE CMPN A | Participated | SFIT |
| 4 | Amritha Prakash | Annual Day | BE CMPN A | Participated | SFIT |
| 5 | Arbaz Khan (Chief Student) | SIH Internal Hackathon | BE CMPN B | Organized | SFIT |
| 6 | Nehal R Panara | IRIS & Annual Day | TE CMPN B | Participant | SFIT |
| 7 | Abhyuday | IRIS | TE CMPN B | Marketing Executive | SFIT |
| 8 | Emmanuel | IRIS | TE CMPN B | Marketing Executive | SFIT |
| 9 | Om Vinayak Pise | IRIS | TE CMPN B | Marketing Executive | SFIT |
| 10 | Swapnil Sontakke | MOSAIC | TE CMPN B | Program Head - ISTE | SFIT |
| 11 | MeghaSaboo | Iris | TE CMPN B | Creative Head | SFIT |
| 12 | AkshataTalankar | Annual Day | TE CMPN B | Participant | SFIT |
| 13 | Reshma Ruby | PRAGATI | TECMPN B | Organizer | SFIT |
| 14 | Roshani Poojary | PRAGATI | TECMPN B | Organizer | SFIT |
| 15 | Sara Shaikh | PRAGATI | TECMPN B | Organizer | SFIT |
| 16 | Sara Shaikh | Annual& IRIS & IGNITRA | TE CMPN B | Inauguration & Prize Head | SFIT |
| 17 | Roshani Poojary | Annual& IRIS & IGNITRA | TE CMPN B | Accounts Head | SFIT |
| 18 | Darrel Noronha | Annual & IRIS & IGNITRA | TE CMPN B | Accounts Head | SFIT |
| 19 | Harsh Oza | Annual& IRIS | TE CMPN B | Cultural : Annual | SFIT |
| 20 | Alisto Pinto | Annual & Ignitra And Iris | TE CMPN B | Sports Executive | SFIT |
| 21 | Deveshwari Pujari | Debate Organiser | TE CMPN B | Literary Head | SFIT |
| 22 | Rutuja Rane | Iris & Annual Day | TE CMPN B | Cultural Head | SFIT |
| 23 | Rutuja Rane | Pragati, Ecell | TE CMPN B | Treasurer | SFIT |
| 24 | Alan Parmar | Iris, Ignitra | TE CMPN B | Hospitality Executive | SFIT |
| 25 | Shivani Raul | IRIS | TE CMPN B | Creative Head | SFIT |
| 26 | Alan Dsilva | IRIS 2020 | SE CMPN A | Technical Team | SFIT |
| 27 | Chelsea Dsouza | IRIS - marketing team | SE CMPN A | Participated | SFIT |
| 28 | Ansel Francis Dsouza | SIH Internal Hackathon | SE CMPN A | Participated | SFIT |
| 29 | Prasad Kamath | IRIS 2020 | SE CMPN A | Technical Team | SFIT |

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|----|----------------------|---|-----------|---|----------|
| 30 | Anshul Shetty | IRIS-Marketing team | SE CMPN A | Participated | SFIT |
| 31 | SuyashJamage | IRIS 2020 | SE CMPN A | Annual Exec | SFIT |
| 32 | SuyashJamage | IRIS 2020 | SE CMPN A | Drama Head | SFIT |
| 33 | Ansel Francis Dsouza | SC-Technical Team | SE CMPN A | Participated (IRIS Website) | SFIT |
| 34 | Darren Noronha | Head, IRIS Photography and Graphics Team | SE CMPN A | Participated (Designed IRIS & Convergence Logo, | SFIT |
| 35 | Darren Noronha | Magazine Team | SE CMPN A | Editorial | SFIT |
| 36 | Bhoomika Mewada | SIH Internal Hackathon | SE CMPN A | Participated | SFIT |
| 37 | Bhoomika Mewada | Pragati Business Plan competition | SE CMPN A | Participated | SFIT |
| 38 | Aditya Sutar | IRIS | SE CMPN A | Security Head | SFIT |
| 39 | Aditya Sutar | ISTE Program Executive | SE CMPN A | Participated | SFIT |
| 40 | Shardul Shroff | SIH Internal Hackathon | SE CMPN B | Participated | SFIT |
| 41 | Rohit Thirumump | SIH Internal Hackathon | SE CMPN B | Participated | SFIT |
| 42 | Vishakha Mistry | SIH Internal Hackathon | SE CMPN B | Participated | SFIT |
| 43 | Pranav Sontake | Managerial Economics and Business Analysis | SE CMPN B | Completed Certification | Coursera |
| 44 | Pranav Sontake | Globalization, Economic Growth and Stability Specialization | SE CMPN B | Completed Certification | Coursera |
| 45 | Pranav Sontake | Welcome to Game Theory | SE CMPN B | Completed Certification | Coursera |
| 46 | Shardul Shroff | Python Programming | SE CMPN B | Completed Certification | Coursera |
| 47 | Pranav Sontake | Financial Markets | SE CMPN B | Completed Certification | Coursera |
| 48 | Shardul Shroff | HTML, CSS, JAVASCRIPT | SE CMPN B | Completed Certification | Coursera |
| 49 | Pranav Sontake | Model Thinking | SE CMPN B | Completed Certification | Coursera |

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|----|------------------|--|-----------|-------------------------|----------|
| 50 | Mandar Angchekar | Applied Data Science with python, Python for everybody The complete Self-Driving car-Applied Deep learning | SE CMPN B | Completed Certification | Coursera |
| 51 | ShravaniDhuri | Python for everybody | SE CMPN B | Completed Certification | Coursera |
| 52 | Shardul Shroff | Python Programing Masterclass | SE CMPN B | Completed Certification | Udemy |
| 53 | Shardul Shroff | Python for Data Science And Machine Learning | SE CMPN B | Completed Certification | Udemy |
| 54 | ShravaniDhuri | HTML, CSS, JAVASCRIPT | SE CMPN B | Completed Certification | Coursera |
| 55 | Kate Rebello | Interactivity with Javascript | SE CMPN B | Completed Certification | Coursera |
| 56 | Kate Rebello | Responsive Web Design(coursera) | SE CMPN B | Completed Certification | SFIT |
| 57 | Kate Rebello | Programming For Everybody(getting started with python) | SE CMPN B | Completed Certification | Coursera |
| 58 | Shardul Shroff | Pragati Business Plan Competition | SE CMPN B | Participated | SFIT |
| 59 | Shardul Shroff | SIH Internal Hackathon | SE CMPN B | Participated | SFIT |

SPORTS ACHIEVEMENTS

| Sr. No. | Student's Name | Event Name | Name of the sport | Class/Sem/Div | Achievement | College |
|---------|------------------|---|-------------------|---------------|--|------------|
| 1 | Ian L. Rodrigues | WAKO Indian Open International Kickboxing Tournament 2020 | Kickboxing | BE CMPN A | Gold medal at International Kickboxing Tournament | SFIT |
| 2 | Mandar Angchekar | SKREAM KJ somaiya college of engineering | FOOTBALL | SE CMPN B | 2nd PRIZE | KJ SOMAIYA |

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|----|-------------------|---|----------------------------|-----------|--|----------------------------------|
| 3 | KshitijSawant | IGNITRA | Cricket | SE CMPN B | Winner | SFIT |
| 4 | KshitijSawant | IGNITRA | Football | SE CMPN B | Semi finalist | SFIT |
| 5 | KshitijSawant | SKREAM KJ | Football , Cricket | SE CMPN B | Runners up | KJ Somaiya |
| 6 | KshitijSawant | RC RUIA Tournament | Football , Cricket | SE CMPN B | Runners up | RC RUIA College |
| 7 | KshitijSawant | MBA college Tournament | Football , Cricket | SE CMPN B | Participated | St. Francis MBA college |
| 8 | KshitijSawant | VIT football tournament | Football | SE CMPN B | Participated | VIT |
| 9 | KshitijSawant | AP Shah College Football | Football | SE CMPN B | Participated | AP SHAH |
| 10 | KshitijSawant | VJTI Football Tournament | Football | SE CMPN B | Participated | VJTI |
| 11 | KshitijSawant | University Level Football and Cricket | Football and Cricket | SE CMPN B | In Top 16 university Football, top 8 in University cricket for zonals(zone 2) | |
| 12 | KshitijSawant | Fr. Agnel Football Tournament | Football | SE CMPN B | Participated | Fr. Agnel |
| 13 | KshitijSawant | Reliance Football Tournament | Football | SE CMPN B | Qualifiers Of Top 8 In Reliance Tournament | SFIT |
| 14 | GauravS uvarna | IGNITRA and IRIS | Basketball | SE CMPN B | Participated | SFIT |

LIST OF STUDENTS WHO COMPLETED INTERNSHIPS

| Sr. No. | Student's Name | Class/Sem/Di v | Industry Worked with | Duration | Status |
|----------------|-----------------------|-----------------------|---------------------------------------|--|---------------|
| 1 | Rishabh Bhatnagar | BE CMPN B | SPDX – TheLinuxFoundation | 4months | Ongoing |
| 2 | Harsh Jalan | BE CMPN B | MIDAS LABS IIITD | 1 Month - Fulltime Assistants from August | Ongoing |
| 3 | Arbaz Khan | BE CMPN B | Board Infinity | 8 months | Completed |
| 4 | Arbaz Khan | BE CMPN B | MedSamaan | 4 months | In Progress |
| 5 | Arbaz Khan | BE CMPN B | IIT Kharagpur | 2 months | Completed |
| 6 | Liza Fernandes | TE CMPN A | Aptech Limited | 1 month | Completed |
| 7 | PrishitaKadam | TE CMPN A | Capgemini | 1 month | Completed |
| 8 | Dipika Surve | TE CMPN B | Dezignolics web & software company | 15 days | Completed |
| 9 | Jerin Ann Abraham | TE CMPN B | BhaktiVedanta Hospital | 1 month | Completed |
| 10 | Onkar Pednekar | TE CMPN B | Junk Minds | 1 month | Completed |
| 11 | Kirk Rodrigues | TE CMPN B | LIVE PAGES | 1month | Completed |
| 12 | Alan Parmar | TE CMPN B | Alliance Innovation Tech | 1 month | Completed |
| 13 | Naitik Zaveri | TE CMPN B | ROBOSYNC | 3 months | Ongoing |
| 14 | Sahil Shinde | TE CMPN B | ROBOSYNC | 3 months | Ongoing |
| 15 | Vivek Shrivatava | TE CMPN B | ROBOSYNC | 3 months | Ongoing |
| 16 | Deveshwari Pujari | TE CMPN B | MileEarth | 4 months | Ongoing |
| 17 | Rutuja Rane | TE CMPN B | BSE,FINTECH | 4 months | Ongoing |
| 18 | Reshma Ruby | TE CMPN B | BSE,FINTECH | 4 months | Ongoing |
| 19 | Shelton Pinto | TE CMPN B | BSE,FINTECH | 4 months | Ongoing |
| 20 | Abhinav Pisharody | TE CMPN B | BSE,FINTECH | 4 months | Ongoing |
| 21 | Harsh Oza | TE CMPN B | BSE,FINTECH | 4 months | Ongoing |

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|----|----------------------|-----------|---------------------------|----------|-----------|
| 22 | Ansel Francis Dsouza | SE CMPN A | KubixSquare | 2 months | Ongoing |
| 23 | Bhoomika Mewada | SE CMPN A | KubixSquare | 2 months | Ongoing |
| 24 | Bhoomika Mewada | SE CMPN A | Cloud Counselage | 5 months | Ongoing |
| 25 | Aditya Sutar | SE CMPN A | ATOS-Syntel | 1 month | Completed |
| 26 | ShardulWavhal | SE CMPN B | Humanity Welfare Council | 1 month | Completed |
| 27 | Shardul Shroff | SE CMPN B | Cloud CounselagePvt. Ltd. | 4 months | Ongoing |

STUDENT PUBLICATIONS

| Sr. No | Author's Name | Paper Title | Full-Publication details (IEEE format) |
|--------|----------------|---|---|
| 1 | Arbaz Khan | Solar Power Forecasting Using Ensemble Learning | 4 th International Conference on Trends in Electronics and Informatics (ICOEI 2020), 16 th -18 th April2020 at SCAD College of Engineering, Tirunalveli, India. |
| 2 | Vinit Masrani | | |
| 3 | Harsh Jalan | Suspect Face Generation <i>(Best Paper Award)</i> | 3rd International Conference on Communication System, Computing and IT Applications (CSCITA 2020) (pp. 73-78). IEEE, 4 th -5 th April2020, St. Francis Institute of Technology, Mumbai, India |
| 4 | Gautam Maurya | | |
| 5 | Sunny Dsouza | | |
| 6 | Canute Corda | | |
| 7 | Umang Mavani | Natural Language Processing based Text Summarization and Querying Model | IEEE, 4th International Conference on Inventive systems and control (ICISC 2020),8th-10th Jan, 2020, Coimbatore, India. |
| 8 | Aditi Pednekar | | |

**DEPARTMENT OF
ELECTRICAL
ENGINEERING**

INDIVIDUAL ACHIEVEMENTS

COURSES ATTENDED BY TEACHING AND NON-TEACHING STAFF

| Name | Courses Attended |
|---|---|
| Ms. Megha Fernandes | “NAAC: Systematic Data Organization and Presentation”, organized by IQAC, Vidyalankar Institute of Technology, Mumbai. Date : 16th May, 2020 |
| | Participated in a Five Day National Level Online FDP on “Cutting-Edge Technologies for Electrical Engineering”, organized by Department of Electrical & Electronics May 2020. Engineering, from 18th -22nd organised by ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY |
| | Participated in the Live Webinar: “Selection of CT and PT” delivered by Mr. Bhuvanesh A. Oza organised by Electrical Engineering Department of R. N. G. Patel Institute of Technology - RONGPIT. Date: 13-06-2020. |
| | Participated in the webinar of Online teaching and learning using Google classroom and Google meet held on 22nd May, 2020. Mahatma Education Society’s PILLAI COLLEGE OF ENGINEERING Dr.K.M.Vasudevan Pillai Campus, New Panvel |
| | Participated on live Webinar on Advanced OBE - Identifying weaker students and remedial action organised by In-Pods Ed-Tech on May 9, 2020 |
| | Participated in “ONE DAY NATIONAL WEBINAR ON EFFECTIVE WAYS TO DEVELOP E-CONTENT” held on 9-05-2020. organised by SMT. DEVKIBA MOHANSINHJI CHAUHAN COLLEGE OF COMMERCE AND SCIENCE |
| | participated in webinar organised by Department of Computer Engineering, on "ML for Developing Nations" held on 15th June 2020 from 11:00 am to 12:00 pm by Ms. Anuradha Srinivasaraghavan, Associate professor, CMPN Dept, SFIT. |
| | Participated in Webinar on "Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for ME (Millennial Engineers)" held on 22nd May 2020 from 11:00am to 12:00pm by Dr. Merle Coutinho, Counsellor, SFIT. |
| | Participated in Webinar on RESPONSIBLE USE OF MEDICINES held on 23rd May 2020 from 10:00am to 12:00pm by Mrs. Manjiri Gharat, I/C Principal at Principal K.M.Kundnani College of Pharmacy, Vice President and Chairman, Community Pharmacy Division of Indian Pharmaceutical Association. |
| | Participated in Webinar on Enhancing Research Visibility through Academic Social Networks held on 06th June 2020 from 10:00am to 12:00pm by Dr. Sarika Sawant, Assistant Prof., SHPT School of Library Science, SNDT Women's University |
| | Participated in the " Webinar on connecting engineers through MEP Industry on 30 May 2020 |
| | Webinar on Basics of Earth Testing by Megger India Ltd. on 14/7/2020. |
| | A Webinar on: Virtual Labs: Effective Tool For Teaching and Learning Maharshi KarveStreeShikshanSamstha’s Cummins College of Engineering for Women, Nagpur on 10/7/2020. |
| | Participated in one week Faculty development programme on Industrial Relevance of Electrical Engineering " from 15th to 20th June organised by Department of Electrical and Electronics Engineering BVRIT Hyderabad, college of Engineering for Women |
| | Participated and successfully completed webinar on " Art of Electricity KVAhTariff reading for reducing Energy Bills " organised by Department of Electrical Engineering, Marathwada Mitra College of Engineering on Tuesday 23rd June 2020 |
| Attended a webinar organised by Electrical engineering Department SFIT borivali in collaboration with Mathworks from 25/6/2020 -10/7/2020 | |
| Ms. Josna Jose | 1.A Certificate course on "Learn to design your own solar home system" by energy swaraj foundation by Prof. Chetan Solanki, IIT Bombay.1. |

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| | 2.Three day FDP organized by Mumbai university ,BMM department of LLCCE and north storm academy. from 30/4/20 to 2/5/2020 |
| | 3. NAAC Awareness program webex meeting on 6/5/2020 |
| | 4. webseminar: MATLAB for online teaching & assesment 6/5/2020 at 2.00pm |
| | 5.3 DAYS international FDP organised by Pillai college of arts and commerce in association with MUCTA 11/5/2020 TO 13/5/2020 |
| | 6.Webinar on "Salient Features of National Power Grid & it's Management during emergencies"by Tata Power LTD on 14/11/2020 |
| | 7. Attended FDP on renewable energy sources: A way ahead 15/5/2020 to 21/5/2020, dept. of mech. enggasm international and ISHRAE NAGPUR CHAPTER and CUMMINS COLLEGE OF ENGG. for women |
| | 8. Webinar on "Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for ME (Millennial Engineers)" held on 22nd May 2020 from 11:00am to 12:00pm by Dr. Merle Coutinho, Counsellor, SFIT. |
| | 9.webinar on Research challenges in wind energy systems ,organised by Chennai Institute of Technology on 22nd May, 2020 10.00-11.00 am. |
| | 10.Five Day National Level Online FDP on “Cutting-Edge Technologies for Electrical Engineering”, organized by Department of Electrical & Electronics Engineering, from 18th -22nd May 2020 |
| | 11. Webinar on "RESPONSIBLE USE OF MEDICINES" held on 23rd May 2020 from 10:00am to 12:00pm by Mrs. Manjiri Gharat, I/C Principal at Principal K.M.Kundnani College of Pharmacy, Vice President and Chairman, Community Pharmacy Division of Indian Pharmaceutical Association. organised by SFIT, Borivali |
| | 12.Webinar on ‘Modern trends in Electric Traction’ on 26th May, 2020, organized by Electrical Engineering Department of Shri Bhagubhai Mafatlal Polytechnic, Mumbai. |
| | 13.Term Course On Renewable Energy and Utilization 26th May – 30th May 2020 organised by Department of Mechanical Engineering Sandip Institute of Engineering and Management Nashik |
| | 14.A Webinar on: Virtual Labs: Effective Tool For Teaching and Learning Maharshi KarveStreeShikshanSamstha’s Cummins College of Engineering for Women, Nagpur on 10/7/2020. |
| | 15. Attended and conducted three weeks matlab workshop , organised by Electrical engineering Department SFIT borivali in collaboration with Mathworks from 25/6/2020 - 10/7/2020 |
| | 16. Attended and monitored Programming skill Workshop for FE students ,SFIT Borivali 26/6/2020-28/6/2020. |
| | 17. Attended Programming Skill Internship Program 2020-Python programming, Extc department SFIT Borivali from 4/7/2020-17/7/2020. |
| | 18. Webinar on Basics of Earth Testing by Megger India Ltd. on 14/7/2020. |
| Mr.Pratik Rahate | 1. NPTEL course on Power Electronics by Dr.Subhraminyam Mam IIT Delhi . |
| | 2.Online NPTEL lecture series on Use of Technology in educational content development by Dr. Yogendra Pal IIT Bombay |
| | 3. A Course on Power System Power Cables by Tata Power LTD. |
| | 4. A Certificate course on "Learn to design your own solar home system" by energy swaraj foundation by Prof. Chetan Solanki, IIT Bombay |
| | 5. Webinar on "Salient Features of National Power Grid & it's Management during emergencies" by Tata Power LTD. |
| | 6. ABB webinar on "The Emerging need for improving power quality" by Kelsy Black |
| | 7. Webinar on Basics of Earth Testing by Megger India Ltd |
| | 8. Attended and conducted matlab workshop in stfrancis institute of technology organized in co-ordination with Mathworks |
| | 9. Webinar on Selection of CT and PT conducted by professor Bhuvanesh Oza Sir |

| | |
|-----------------------------------|---|
| | organized by R.N.G. Patel institute of Technology (Bardoli) |
| | 10. Attended Webinar on "Modern trends in Electric Traction" on 26th May 2020, organized by Shri Bhagubhai Mafatlal Polytechnic, Mumbai |
| Ms. Varsha Thandassary | 1. webinar series on Education 4.0" on 28th-30th April 2020 organized by Atharva College of Engineering |
| | 2. ONE DAY NATIONAL WEBINAR ON "EFFECTIVE WAYS TO DEVELOP E-CONTENT" held on 9-05-2020 organized by SMT. DEVKIBA MOHANSINHJI CHAUHAN COLLEGE OF COMMERCE AND SCIENCE. |
| | 3. A webinar on '2020 the job aftermath' on 12th May 2020 organized by ITSA, SFIT |
| | 4. Webex meeting on: NAAC Awareness Program - Affiliated / Constituent Colleges on Wednesday, May 6 |
| | 5. A Web seminar on MATLAB for online teaching and assessment conducted by mathworks on Wed May 6, 2020 |
| | 6. 2 Days National Level Faculty Development Program 2.0 on 'online teaching' organized by North Storm Academy special sessions held on 13th and 14th May 2020 |
| | 7. Attended FDP on "Renewable Energy Sources: A Way ahead" organised by MKSSSS's Cummins College of Engineering for Women, Nagpur on 15-21 May 2020 |
| | 8. NPTEL course on 'scilab ' |
| | 9. Webinar on "Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for ME (Millennial Engineers)" held on 22nd May 2020 from 11:00am to 12:00pm by Dr. Merle Coutinho, Counsellor, SFIT. |
| | 10. Webinar on ""RESPONSIBLE USE OF MEDICINES"" held on 23rd May 2020 from 10:00am to 12:00pm by Mrs. Manjiri Gharat, I/C Principal at Principal K.M. Kundnani College of Pharmacy, Vice President and Chairman, Community Pharmacy Division of Indian Pharmaceutical Association. organised by SFIT, Borivali" |
| | 11. Term Course On Renewable Energy and Utilization 26th May – 30th May 2020 organised by Department of Mechanical Engineering Sandip Institute of Engineering and Management Nashik" |
| | 12. Attended three weeks matlab workshop, organised by Electrical engineering Department SFIT borivali in collaboration with Mathworks from 25/6/2020 -10/7/2020 |
| | 13. Attended Programming skill Workshop on java Programming arranged for FE students, SFIT Borivali 26/6/2020-28/6/2020. |
| Ms. Derin Johns | 1. 3 days of International FDP on digital teaching and learning environment by M.E.S.P COLLEGE . |
| | 2. webinar on thin film technology -a fascinating area for research and development organized by nirmala college for women. |
| | 3. grid connected and stand alone microgrid design losing homer pro by S.Selvakumar power projects India |
| | 4. machine learning course by coursera. |
| | 5. online course on 8051 micro controller by bhara acharya education. 6. webinar on power quality analysis organised by st. joseph 's technology |
| Mr. Sandeep Satapa Shetage | 1. National Workshop on Role of Non-teaching In NAAC Accreditation |
| | 2. Online Workshop on E-Content Development by M. D. College Parel, Mumbai |
| | 3. Coursera (Build your First Android App) |
| | 4. ICSI, UK (International Cybersecurity Institute) - Certified Network Security Specialist (CNSS) |

COURSES ATTENDED BY STUDENTS

| Name | Course |
|--------------------------|--|
| Bhuvnesh Nemade | NPTEL course on Network Analysis |
| Tanishq Date | NPTEL course on Network Analysis |
| | NPTEL course on Electrical Vehicle |
| Ashish Bharambe | NPTEL course on Network Analysis |
| Mervin D'costa | NPTEL course on Network Analysis |
| | Python (NEAT - AICTE) |
| | Python A-Z: Python for Data Science with Real Exercises(Udemy) |
| | Python for Statistical Analysis (Udemy) |
| | Modern Natural Language Processing in Python(Udemy) |
| | Machine Learning A-Z : Hands on Python and R in Data Science (Udemy) |
| | Deep Learning A-Z : Hands on Artificial Neural Networks (Udemy) |
| | R Programming A-Z: R for Data Science with Real Life Data Science Exercises Included (Udemy) |
| | Data Science A-Z: Real-Life Data Science Exercises Included (Udemy) |
| Vidhan Purohit | NPTEL course on Network Analysis |
| Raj Pathak | NPTEL course on Network Analysis |
| Siddhesh Parab | NPTEL course on Electrical Vehicle |
| Vishal Gupta | NPTEL course on Network Analysis |
| Lalit Kulkarni | NPTEL course on Network Analysis |
| | Astrotech(COURSERA) |
| Neitrik Gaikwad | NPTEL course on Network Analysis |
| | python |
| Shailesh Prakash Mhaskar | NPTEL course on Network Analysis |
| | Python(NEAT-AICTE) And |
| | Machine learning using Python(coursera) |
| Aditya Panchal | NPTEL course on Network Analysis |
| | Python for Data Science(Udemy) |
| | Python for Everybody(Coursera) |
| | Introduction to programming with MATLAB (Coursera) |
| | Build Your First Android App (Project-Centered Course)(Coursera) |
| | Sensor Manufacturing and Process Control(Coursera) |
| | The Data Scientist's Toolbox(Coursera) |
| | Instrument and Control System, Transformer, PLCs , Power System Protection, Power Systems Generation (TATA E-LEARNING) |
| | Compressor, Power Systems Earthing, Induction Motor, Fan and Blower, Power System Power Cables (TATA E-LEARNING) |
| | Certified SOLIDWORKS Professional Examination (Dassault systems) |
| | Financial Markets (Coursera) |
| | Deep Learning(Coursera) |
| | MATLAB Onramp |
| | SIMULINK Onramp |
| | StateFlow Onramp |
| | Certified Additive manufacturing Associate (Dassault systems) |
| | Certified Weldments designer (Professional) (Dassault systems) |
| | build your first SOLAR HOME |
| | Ethical Hacking (Udemy) |
| Kedar N Bhatt | NPTEL course on Network Analysis |
| | Python for everybody(coursera) |

| | |
|------------------------|--|
| Jignesh Chotalia | NPTEL course on Network Analysis |
| | Dc Analysis |
| Sagar P Gitaye | NPTEL course on Network Analysis |
| | Programming for everybody (Coursera) |
| Palak C Maniar | NPTEL course on Network Analysis |
| | Programming for everybody |
| Samiksha Bharankar | NPTEL course on Network Analysis |
| | Electrical Vehicle |
| | 365 Data Science |
| | CS50's Introduction to Computer Science (Harvard) |
| Priyanshulaxmilal Jain | Python for Data Science and Data Analysis (Udemy) |
| | Programming for eveybody(getting started with python) |
| | Python Data structures |
| | Using Python to Access Web data |
| | Using databases with python |
| | Digital Manufacturing and Design |
| | PLC's , Power system protection,Compressors, Induction Motors (Tata skill development) |
| | Designing a solar powered Home (Energy Swaraj Foundation) |
| | Matlab Onramp |
| | Simulink Onramp |
| | Simscape Onramp |
| Anushka Somavanshi | Deep Learning (Udemy) |
| | Programming for everybody (Coursera) |
| Parthdesai | NPTEL course on Network Analysis |
| | Programming for everybody (Coursera) |
| Vrishti Dhruv | NPTEL course on Network Analysis |
| | NPTEL course on Electric Vehicles |
| | CS50's Introduction to Computer Science (Harvard) |
| Jayesh Patil | Deep Learning(coursea), NPTEL course on Network Analysis |
| | NPTEL course on Electric Vehicles |
| | CS50's Introduction to Computer Science (Harvard) |
| | Financial Markets(coursea) |
| Sohail Ali | NPTEL course on Network Analysis |
| | Programming for everybody (Coursera) |
| Rahul Solanki | NPTEL course on Network Analysis |
| | CS50's Introduction to Computer Science (Harvard) |
| | Electric Vehicles |
| Bhakti Waghela | NPTEL course on Network Analysis |
| | Electric Vehicles |
| Keyurmandavgane | NPTEL course on Network Analysis |
| | Python for every body (Coursera) |
| Bhavik Chaudhari | Dc Analysis (coursera), Electric power system (coursera) , Power system generation , |
| Shubham Gupta | python for Everybody (Coursera) |
| Naman Shah | electric analysis |
| | DC Analysis (Coursera) |
| Sneha Patange | programming for everybody (Coursera) |
| | energy production distribution and safety (coursera) |
| Shreyas Jadhav | Programming for everybody (Coursera) |
| | Learn to Design your own Solar Home System (Energy Swaraj Foundation) |
| Ayushkamat | Programming for everybody (Coursera) |

DEPARTMENTAL ACHIEVEMENTS

ACTIVITIES ORGANIZED BY DEPARTMENT

| Event name and Date | Prticipants | Winners | | |
|---|------------------------|-----------------|---|-----------------|
| SPARKZ 2020 (MiniProject Competition) 29/02/2020 | SE Electrical Students | 1 st | Non contact Digital tachometer | Tanishq Date |
| | | | | Ashish Bharambe |
| | | | | Vinit Prajapati |
| | | | | Chaitanya More |
| | | 2 nd | LDR-Light Dependent Resistor | Sneha Patange |
| | | | | Palak Maniar |
| | | | | Aaditya Panchal |
| | | 3 rd | Remote control circuit for lamp | Deepakc Hauhan |
| | | | | Keyur Mandgavne |
| | | | | Neitrik Gaikwad |
| | | 3 rd | DC motor soft starter using arduino UNO board | Ronak |
| | | | | Tejas |
| Vijay | | | | |

| Event name and Date | Resource Persons | Participants |
|---|--|---|
| 30 Hrs Online Workshop on MATLAB 25/06/2020-10/07/2020 | Mr. Suraj Gawande, Sr. Application Engineer, DesignTechSystems Ltd.,Pune | SE and FE Electrical Students, Faculties |
| | Dr. Deb SingdeoMathworks Education Technical Evangelist at MathWorks India Private Limited (Pune). | |
| | Ms.NainiDawar Education Technical Evangelist at MathWorks India Private Limited (Pune). | |

REPORT ON**ONLINE WORKSHOP ON ‘MATLAB’**

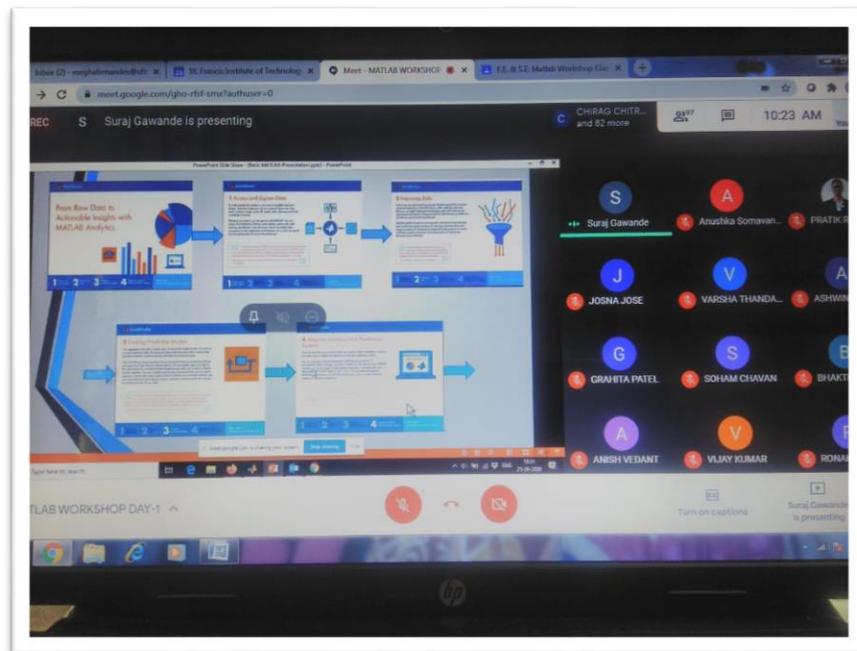
Department of Electrical Engineering arranged 30 hours online workshop on ‘MATLAB’ from 25/06/2020-10/07/2020.

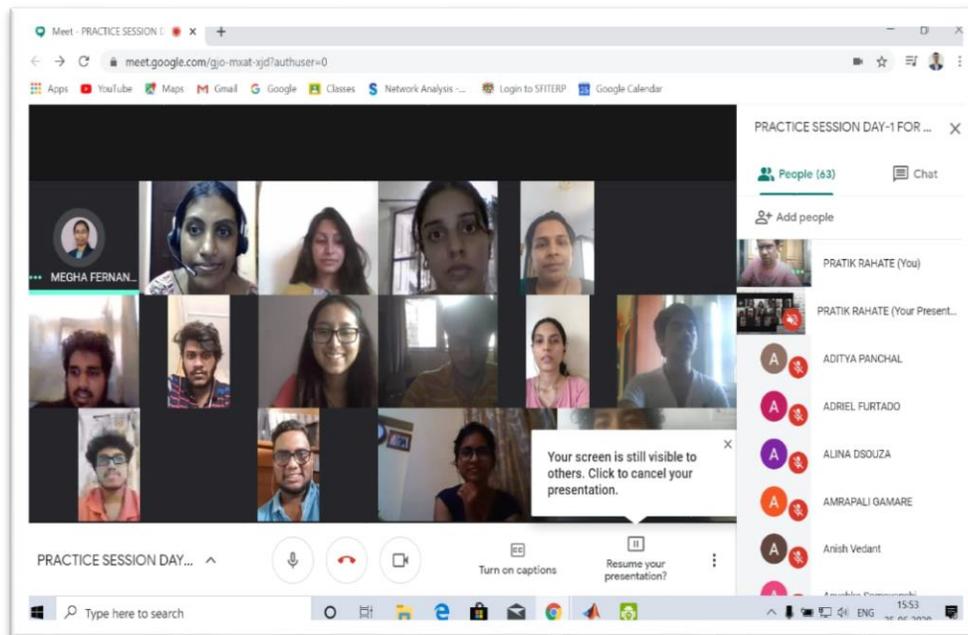
The details of the event are mentioned below:

| Name Of The Event | Online Workshop On ‘MATLAB’ | | |
|---|---|---|------------------|
| Guest Speakers | Mr.Suraj Gawande, Sr. Application Engineer, DesignTech Systems Ltd.,Pune, Dr. Deb Singdeo , Education Technical Evangelist MathWorks India Private Limited (Pune) Ms.NainiDawar, Education Technical Evangelist MathWorks India Private Limited (Pune). | | |
| Topics Discussed | MATLAB Fundamentals Simulink Fundamentals Modeling Physical Systems with Simscape Power Electronics Controls Renewable Energy System modelling | | |
| Participants | FE and SE Electrical Engineering students Faculties of Electrical Engineering Department | | |
| Organizer | Department of electrical Engineering | | |
| Schedule for the Event | Date | Topics | Resource Person |
| College Anthem Welcome Address (Ms Megha Fernandes HOD) | 25 June 2020 | Session 1(10.00am – 12pm) MATLAB Fundamentals <ul style="list-style-type: none"> • Working with the MATLAB user interface • Entering commands and creating variables • Analysing vectors and matrices • Visualizing vector and matrix data • Working with data files • Working with data types • Automating commands with scripts | Mr.Suraj Gawande |

| | | | |
|---------------|---|---|--|
| | | <ul style="list-style-type: none"> • Writing programs with branching and loops • Writing functions <p>Session 2 (2.00pm-5:00pm)</p> <ul style="list-style-type: none"> • Practice session | Faculties(Electrical Engineering Dept) |
| 26 June 2020 | <p>Session 1(10.00am – 12pm) Simulink Fundamentals</p> <ul style="list-style-type: none"> • Simulink Graphical Environment - Learn about Simulink blocks and signals. • Inspecting Signals - Visualize signal values during simulation. • Basic Algorithms - Use math and logic operators to write algorithms. • Obtaining Help - Access documentation from Simulink. • Project: Automotive Performance Modes - Practice working with math and logic operators. □ Simulink and MATLAB – Use MATLAB variables and functions in Simulink. • Dynamic Systems in Simulink - Review dynamic systems and learn how they relate to Simulink. • Discrete Systems - Model discrete-time systems. • Continuous Systems - Model continuous-time systems. • Simulation Time - Choose the simulation duration. <p>Session 2 (2.00pm-5:00pm)</p> <ul style="list-style-type: none"> • Practice session | Mr.Suraj Gawande | Faculties(Electrical Engineering Dept) |
| 02 July. 2020 | <p>Session 1(10.00am – 12pm) Modeling Physical Systems with Simscape</p> <ul style="list-style-type: none"> • Creating models in various physical domains, such as electrical, mechanical, and hydraulic • Interpreting Simscape diagrams • Combining Simulink models and Simscape models • Modeling energy transfer between different physical domains • Creating user-defined Simscape components | Mr.Suraj Gawande | Faculties(Elect |

| | | | |
|---|----------------------|--|--|
| <p>Vote of Thanks (Ms Varsha Thandassary)</p> | <p>10 July. 2020</p> | <p>Session 1(10.00am – 12pm) Renewable Energy System modelling</p> <p>Agenda:</p> <p>The focus of the session will be on modelling of renewable energy systems using Simulink and Simscape.</p> <p>Topics</p> <ul style="list-style-type: none"> • Modeling PV solar arrays, wind turbines, and energy storage devices • Model of a microgrid system • Energy management <p>Session 2 (2.00pm-5:00pm) Practice session</p> | <p>Dr. Deb Singdeo Mathworks</p> <p>Faculties(Electrical Engineering Dept)</p> |
|---|----------------------|--|--|





The Event was very beneficial to the students and faculties of electrical engineering. All doubts regarding the topic were answered leaving the students with better understanding and a clearer idea about the topics discussed. During practise sessions students are asked to solve assignment questions based on the topics discussed in the morning session. Faculties of Electrical Engineering department helped the students to solve the questions. On final day of the session Dr Sincy George, Principal, addressed the participants. She explained the need of this kind of workshop. She also expressed her gratitude towards all the speakers Feedback from the audience was positive and wish to have such workshops in the future as well.

**DEPARTMENT OF
ELECTRONICS AND
TELECOMMUNICATIONS
ENGINEERING**

FACULTY ACHIEVEMENTS

| Name of the Faculty | Course Organizer | Course Details(Course duration,tilte,Grade) |
|---|--|--|
| Jovita Serrao | NPTEL AICTE FDP IIT Madras certified Online Course | Completed NPTEL with score of 92% German II, 12 weeks FDP course Jan to April 2020. |
| | Marketing in a Digital World | Coursera University of Illinois at Urbana-Champaign |
| | Digital Analytics for Marketing Professionals: Marketing Analytics in Theory | Coursera University of Illinois at Urbana-Champaign |
| | Use of Canva to create social media marketing designs | Coursera |
| | Create a business marketing brand kit using Canva | Coursera |
| | Use MailChimp to build an Email Marketing Campaign | Coursera |
| | Digital Analytics for Marketing Professionals: Marketing Analytics in Practice | Coursera University of Illinois at Urbana-Champaign |
| | Digital Media & Marketing Principles | Coursera University of Illinois at Urbana-Champaign |
| | Design Thinking for Innovation | Coursera University of Illinois at Urbana-Champaign |
| | Enterprise Design Thinking Practitioner Badge | IBM |
| | Design Thinking Co-Creator | IBM |
| | Digital Media & Marketing Strategies | Coursera University of Illinois at Urbana-Champaign |
| | Marketing in an Analog World | Coursera University of Illinois at Urbana-Champaign |
| | The Complete Web Developer Course 2.0 | 30 hour course on Udemy |
| | Responsive Web Design | 300 hours course by freecodecamp |
| | Front-End Web UI Frameworks and Tools: Bootstrap 4 | Coursera The Hong Kong University of Science and Technology |
| Reviewer, IEEE Intl. Conf. CICN, | Jan 2020 - present | |
| Reviewer, IEEE Intl. Conf. CSCITA, SFIT | Jan - Mar 2020 | |
| Teaching Learning Centre (ICT) at IIT Bombay, funded by the PMMMNTT, MHRD, Govt. of India | Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' a 1 week course | |
| Shilpa Chaman | NPTEL-AICTE FDP – IIT Kharagpur certified Online Course | Completed NPTEL with with score of 88% on Digital Image Processing, 12 weeks FDP course Jul – Oct 2019. |
| | NPTEL-AICTE FDP – IIT Kanpur certified Online Course | Completed NPTEL with score of 87% on Principles of Signal and System, 12 weeks FDP course Jan to April 2020. |
| | NPTEL-AICTE FDP – IIT Kharagpur certified Online Course | Completed NPTEL with Elite certification on Deep Learning, 12 weeks FDP course Jan to April 2020. |

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|--|---|---|
| | NPTEL-AICTE FDP – IIT Madras certified Online Course | Completed NPTEL with Elite certification on Advanced Probability, 12 weeks FDP course Jan to April 2020. |
| | COURSERA Course by Deep Learning.AI | Completed COURSERA certification on Neural Networks and Deep Learning, 4 weeks course , March to May 2020. |
| | COURSERA Course by Duke University | Completed COURSERA certification on Image and Video Processing: From Mars to Hollywood with a Stop at the Hospital, 9 weeks course , March to May 2020. |
| | MathWorks Training Services Online Course | Completed Mathworks Training Course on Deep Learning with MATLAB, May 2020 |
| | MathWorks Training Services Online Course | Completed Mathworks Training Course on Deep Learning ONRAMP, May 2020 |
| | MathWorks Training Services Online Course | Completed Mathworks Training Course on Machine Learning ONRAMP, May 2020 |
| | MathWorks Training Services Online Course | Completed Mathworks Training Course on MATLAB ONRAMP, May 2020 |
| Santosh Chapaneri | Reviewer, IET Image Processing | Jan 2020 - present |
| | Reviewer, IET Signal Processing | Jan 2020 - present |
| | Reviewer, IEEE Access | Jan 2020 - present |
| | Reviewer, IET Communications | Jan 2020 - present |
| | Reviewer, Electronics Letters | Jan 2020 - present |
| | Reviewer, IET Computer Vision | Jan 2020 - present |
| | Reviewer, IEEE Intl. Conf. CSCITA, SFIT | Jan - Mar 2020 |
| | Reviewer, 2020 2nd International Conference Series on Engineering, Science and Information Technology | Universitas Ahmad Dahlan, Jan 2020 |
| | Reviewer, Bulletin of Electrical Engineering and Informatics Journal | Jan 2020 - present |
| | Reviewer, International Society of Music Information Retrieval (ISMIR) | Jan 2020 - present |
| | Reviewer, 3rd International Conference on Computer Applications & Information Security (ICCAIS) | Feb 2020 |
| | Reviewer, International Journal of Artificial Intelligence | Jan 2020 - present |
| | Reviewer, International Journal of Computing and Digital Systems | May 2020 - present |
| | Reviewer, TELKOMNIKA Telecommunication Computing Electronics and Control | May 2020 - present |
| | ByteCamp Hackathon Judge | SIES GST, Feb 2020 |
| | Reviewer Intl. Conference ICACTA | Feb 2020 |
| | Best Paper Award in Signal Processing Track | CSCITA Conf. Apr 2020 |
| Neural Networks and Deep Learning (Deep Learning Specialization) | Coursera, DeepLearning.ai; Apr 2020 | |
| Improving Deep Neural Networks: Hyperparameter | Coursera, DeepLearning.ai; Apr | |

| | | |
|---------------------|---|---|
| | tuning, Regularization and Optimization (Deep Learning Specialization) | 2020 |
| | Structuring Machine Learning Projects (Deep Learning Specialization) | Coursera, DeepLearning.ai; Apr 2020 |
| | Convolutional Neural Networks (Deep Learning Specialization) | Coursera, DeepLearning.ai; Apr 2020 |
| | Sequence Models (Deep Learning Specialization) | Coursera, DeepLearning.ai; Apr 2020 |
| | Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning (TensorFlow in Practice Specialization) | Coursera, DeepLearning.ai; Apr 2020 |
| | Convolutional Neural Networks in TensorFlow (TensorFlow in Practice Specialization) | Coursera, DeepLearning.ai; Apr 2020 |
| | Sequences, Time Series and Prediction (TensorFlow in Practice Specialization) | Coursera, DeepLearning.ai; Apr 2020 |
| | Natural Language Processing in TensorFlow (TensorFlow in Practice Specialization) | Coursera, DeepLearning.ai; Apr 2020 |
| | Bayesian Methods for Machine Learning (Advanced Machine Learning Specialization) | Coursera, HSE National Research University, May 2020 |
| | Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop (1 week course) | Teaching Learning Centre, IIT Bombay, May 2020 |
| | AI for Medical Diagnosis (AI for Medicine Specialization) | Coursera, DeepLearning.ai; May 2020 |
| | AI for Medical Prognosis (AI for Medicine Specialization) | Coursera, DeepLearning.ai; May 2020 |
| | Natural Language Processing with Classification and Vector Spaces (Natural Language Processing Specialization) | Coursera, DeepLearning.ai; June 2020 |
| Ms. Savita Kulkarni | Coursera, University of California, Irvine, By Prof. Ian Harris, Professor, Department of Computer Science | Completed Course on "The Arduino Platform and C Programming", June 2020 |
| | Sinhgad Institute of Technology, Lonavala | One Week Webinar Series on "IT - Business Applications Web-Bizz 2020", June 2020 |
| | Dr. Babasaheb Ambedkar Marahtwada University, Aurangabad, MS, India | International Web Conference on Impact of COVID19 on Education System; May 2020 |
| | Spoken Tutorial Project by IIT, Bombay in coordination with Sinhgad Institute of Technology, Lonavala | One Week Faculty Development Program on "Python3.4.3" from 25/04/2020 To 30/04/2020 |
| | Pillai College of Engineering Dr. K. M. Vasudevan Pillai Campus, Sector 16, New Panvel | One Week Faculty Development Program on "Scilab" from 11/05/2020 To 15/05/2020 |
| Dr. Gautam Shah | COURSERA Course by University of Michigan | Programming for Everybody (Getting Started with Python) |

STUDENTS ACHIEVEMENTS

| Name of Students | Achievement | Project Title |
|--|---|---|
| Mentor: Jovita Serrao Students: Tanay Dangaich, Anirudh Kulkarni, Vishal Karkera, Manasi Odassery, Niyati Makwana and Kaustubh Tamhankar | Quarter Finals of DST and Texas Instruments India Innovation Challenge Design Contest 2019 powered by AICTE and anchored by NSRCEL@IIMB | Smart Agriculture Assistant |
| Vraj Parikh, Urvansh Shah, Abhishek Rajput | APSIT Talent Fest | Sustainable Environment for New Bharat |

FACULTY PUBLICATIONS

| Sr. No | Author's Name | Paper Title | Publication details |
|-----------|-------------------|---|--|
| 1 | Shilpa Chaman | Techniques for Compressing Deep Convolutional Neural Network | International Conference on Computational Performance Evaluation (ComPE) 2020, co-Sponsored by IEEE Kolkata Section and IEEE Industrial Society, USA, July 2–4, 2020 |
| 2 | Santosh Chapaneri | Deep Gaussian processes for music mood estimation and retrieval with locally aggregated acoustic Fisher vector | Springer Sadhana Journal (Indian Academy of Sciences), vol. 45, no. 1, pp. 1-13, Jan 2020 |
| 3 | Santosh Chapaneri | Estimating Consensus from Crowdsourced Continuous Annotations | Proc. of the 3rd IEEE Intl. Conf. on Communication System, Computing and IT Applications (CSCITA), pp. 156-161, Apr 2020 |
| 4 | Santosh Chapaneri | Skin Lesion Classification using Deep Learning Architectures | Proc. of the 3rd IEEE Intl. Conf. on Communication System, Computing and IT Applications (CSCITA), pp. 168-173, Apr 2020 |
| 5 | Santosh Chapaneri | Encoder-Decoder Architecture for Image Caption Generation | Proc. of the 3rd IEEE Intl. Conf. on Communication System, Computing and IT Applications (CSCITA), pp. 174-179, Apr 2020 |
| 6 | Snehal Lopes | IoT based Automatic Waste segregator | 2019 International Conference on Advances in Computing, Communication and Control (ICAC3), pp. 1-5, Dec 2019 |

INVITED TALKS**WORKSHOP/SEMINAR/CONFERENCE CONDUCTED**

| Sr. No. | Name of the Faculty | Title of Workshop/Seminar/Conference | Organizing Body |
|----------------|----------------------------|---|--|
| 1 | Jovita Serrao | Engineering the Future (Segment 1: MBA) | SFITAA |
| 2 | Santosh Chapaneri | Alexa Hands-on Workshop | IEEE SFIT Student Branch, 18 Jan 2020 (organized) |
| | | LaTeX Hands-on Workshop for Faculty of EXTC, ELEC and MECH | SFIT Skill Development Cell, 4 & 6 Feb 2020 |
| | | LaTeX Hands-on Workshop for BE EXTC students | SFIT Skill Development Cell, 22, 23 & 24 Feb 2020 |
| | | MindClash Debate Competition | IEEE SFIT Student Branch, 29 Feb 2020 (organized) |
| | | Data Visualization Hands-on Workshop | SFIT Skill Development Cell, 25 Apr 2020 |
| | | Advances in Machine Intelligence | IEEE Computer Society Hyderabad, 3 May 2020 |
| | | How to build a rockstar LinkedIn profile | IEEE SFIT Student Branch, 4 May 2020 (organized) |
| | | Demystifying TensorFlow: Hands-on Workshop | SFIT Skill Development Cell, 13 May 2020 |
| | | Demystifying TensorFlow: Hands-on Workshop | TensorFlow User Group Mumbai (TFUG), 16 May 2020 |
| | | Entrepreneurship: A Way of Life | IEEE SFIT Student Branch and E-Cell SFIT, 17 May 2020 (organized) |
| | | Libraries and Tools for Machine Learning | RIT Sangli, 17 May 2020 |
| | | Data Privacy | IEEE SFIT Student Branch, 4 June 2020 (organized) |
| | | Libraries and Tools for Machine Learning | Dept of Electronics and Telecommunication Engineering SFIT, 18 June 2020 |
| | | PyCode: Python Programming Course (30 hrs course for TE students) | Dept of Electronics and Telecommunication Engineering SFIT, 4 July to 17 July 2020 |

WORKSHOP/SEMINAR/CONFERENCE ATTENDED

| Sr. No. | Name of the Faculty | Title of Workshop/Seminar/Conference | Organizing Body |
|---|--|--|---|
| 1 | Shilpa Chaman | International Conference on Computational Performance Evaluation (ComPE) 2020, July 2–4, 2020 | Organized at North-Eastern Hill University (NEHU), co-Sponsored by IEEE Kolkata Section and IEEE Industrial Society, USA, |
| | | One week AICTE-FDP Online workshop on “Universal Human Values in Education” during 13th to 17th May 2020. | AICTE-FDP Online workshop |
| | | Webinar on NDLI user awareness webinar on 20th May 2020. | Organised by NDLI in collaboration with SFIT, Mumbai |
| | | Webinar on Future of AI, 20 May | Organised by IETE, Mumbai |
| | | Webinar on Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for ME on 22 May | Organised by SFIT, Mumbai |
| | | Webinar on Development of Deep Learning Architecture | Organised by IETE, Mumbai |
| | | Webinar on We Are Stronger Together on 6 june, 2020 | Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM) |
| | | Webinar on Research in Digital Age – Problems and Opportunities on 12 june, 2020 | Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM) |
| | | Webinar on ML for Developing Nations on 15 june | Organised by SFIT, Mumbai |
| | | Webinar on IT Project: The Key Management Areas for Success on 19 june, 2020 | Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM) |
| | | Webinar on 5G - Myth busters and benefits for Indian environment on 2 july, 2020 | Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM) |
| Webinar on Internet of Things (IoT) – Industrial Perspective on 11 july, 2020 | Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM) | | |
| 2 | Santosh Chapaneri | Explainable AI | NPTEL, 22 Apr 2020 |
| | | NAAC Awareness Program | NAAC Bangalore, 6 May 2020 |
| | | MATLAB for Online Teaching and Assessment | Mathworks, 6 May 2020 |
| | | AI Solutions with Azure Machine Learning | Microsoft Azure, 9 May 2020 |

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| | | Advanced Outcome Based Education | InPods, 9 May 2020 |
| | | 2020 - The Job Aftermath | ITSA SFIT, 12 May 2020 |
| | | AI and AutoML - Debunking Myths | H2O.ai, 13 May 2020 |
| | | Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for ME (Millennial Engineers) | SFIT, 22 May 2020 |
| | | Strategies to meet the UGC guideline on Examination, Academic Calendar & Internships | TCS iON, 22 May 2020 |
| | | Online Teaching and Learning using Google Classroom and Google Meet | Pillai College of Engineering, 22 May 2020 |
| | | AI and Healthcare | H2O.ai, 26 May 2020 |
| | | Accelerating Computations using MATLAB and Simulink | Mathworks, 26 May 2020 |
| | | NDLI User Awareness | National Digital Library of India, 29 May 2020 |
| | | TensorFlow Hub | TensorFlow User Group Pune (TFUG), 30 May 2020 |
| | | Design Thinking | SFIT Alumni Association, 30 May 2020 |
| | | AI Challenges in Medical Data | Online Pie and AI Kolkata, 31 May 2020 |
| | | Recent Research in Speech Processing | Wiley India, 3 June 2020 |
| | | Remote Assessment | TCS iON, 4 June 2020 |
| | | Enhancing Research Visibility through Academic Social Networks | SFIT, 6 June 2020 |
| | | Career after Graduation and role of GATE Exam | AISSMS Institute of Information Technology Pune, 7 June 2020 |
| | | IEEE Bombay Section Branch Counsellors Meet | IEEE Bombay Section, 7 June 2020 |
| | | Machine Learning for Developing Nations | Dept of Computer Engineering SFIT, 15 June 2020 |
| | | Engineering Curriculum - New Perspectives | KJSIIT, 17 June 2020 |
| | | Virtual Labs: Effective Tool for Teaching and Learning | Cummins College of Engineering, 10 July 2020 |
| 3 | Snehal Lopes | Spoken Tutorial Project by IIT, Bombay in coordination with Sinhgad Institute of Technolgy, Lonavala | One Week Faculty Development Program on "Python3.4.3" from 25/04/2020 To 30/04/2020 |

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| | | Webinar on "RESPONSIBLE USE OF MEDICINES" | held on 23rd May 2020 from 10:00am to 12:00pm by Mrs. Manjiri Gharat, I/C Principal at Principal K.M.Kundnani College of Pharmacy, Vice President and Chairman, Community Pharmacy Division of Indian Pharmaceutical Association. |
| | | Attended 3 days online workshop on Digital presence | From 5th June to 7th June, held on you tube channel kavedia sir, organised by kaizen futuretech |
| | | COURSERA Course by University of Michigan | Programming for Everybody (Getting Started with Python) |
| | | Online teaching and learning using Google classroom and Google meet held on 22nd May, 2020. | organized by Mahatma Education Society's PILLAI COLLEGE OF ENGINEERING Dr. K.M.Vasudevan Pillai Campus, New Panvel |
| | | completing the COVID-19 AWARENESS QUIZ | organized by Fr. Conceicao Rodrigues College of Engineering, Bandra(W), 1/6/2020 |
| | | successfully completed National Level Quiz on "A Tour to Communication Engineering" on 15-5-2020 | organized by Department of Electronics and Telecommunication Engineering, Shree. L. R. Tiwari College of Engineering, Thane 401 107. |
| 4 | Jovita Serrao | E Content Development Mahabridge | Mahabridge |
| | | Start-up life cycle and patent registration | (Atharva Colg) |
| | | Watsapp driven automated marketing | ORAI Robotic Virtual Assistant |
| | | NAAC Awareness Program - Affiliated/ Constituent Colleges | AICTE |
| | | Financial Fitness by SFITAA | SFITAA |
| | | Research Workflows, Research Metrics and Excellence in Academic Institutes by AICTE | AICTE |
| | | Professional Ethics in the VUCA world for Millennial Engineers (SFIT) | SFIT |
| | | Online Teaching & learning using Google Classroom & GoogleMeet (Pillai Colg) | Pillai College of Engineering, 22 May 2020 |
| | | Intellectual Property Right & its commercial aspect (KIT) | KIT |
| | | Responsible use of Medicines (SFIT) | SFIT |

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|---|-------------|---|---|
| | | National Digital Library of India | SFIT |
| | | Enhancing Research Visibility through Academic Social Networks | SFIT |
| | | Career After Graduation and role of GATE Exam | AISSMS Institute of Information Technology Pune, 7 June 2020 |
| | | Webinar on Engineering Curriculum- New Perspective | KJSIIT, 17 June 2020 |
| | | RF CIRCUIT DESIGN USING ADS | Pimpri Chinchwad College of Engineering |
| | | Libraries and Tools for Machine Learning | SFIT |
| | | Psychology, Sociology, Gender Studies | UK India Education and Research Initiative |
| | | Faculty Orientation for EDC | University of Mum |
| | | Virtual Labs: Effective Tool For Teaching and Learning | Cummins College of Engineering, 10 July 2020 |
| | | Engineering: The future (Segment 1: MBA) SFITAA | SFITAA |
| 5 | Gautam Shah | Webinar on Leveraging QMS to tackle challenges arising from COVID-19, Thu, Apr 30, 2020 3:00 PM - 4:00 PM IST | DNV GL |
| | | Web seminar: Empower Students and Build Industry 4.0 Readiness, Tue May 5, 2020 4pm – 5pm (IST) | TCS iON |
| | | webinar on Continue your learning with Wiley ETextbooks, Wed, May 13, | Wiley |
| | | Web seminar: Strategies to meet the UGC guideline on Examination, Academic Calendar & Internships, Fri May 22, 2020 4pm – 5pm (IST) | TCS iON |
| | | Webinar on "Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for ME (Millennial Engineers), Friday 22 May 2020 at 11:00am. Resource Person: Dr. Merle Coutinho, Counselor at SFIT | SFIT |

DEPARTMENT OF INFORMATION TECHNOLOGY

WORKSHOPS

1. A One-day colloquium titled, “IT for Society: A Colloquium” was conducted on 17th January, 2020. It was convened by Dr. Joanne Gomes with coordinators Dr. Nazneen Ansari and Mr. Vaibhav Kala. The theme of the colloquium was I.T. for Security. Being a state level event there were around 400+ participants consisting of department students of SFIT as well as other colleges.

The colloquium was comprised of coding competition for Second year students, project competition for Third year students and poster competition for Final year students of Information Technology department..



2. A department level workshop titled, “LATEX” was conducted on 12th and 19th February 2020 for all TEIT A and B students respectively.
3. A six days department level online workshop was conducted on “Machine Learning” from 7th to 12th July 2020 by SFIT Alumni. There were around 280 participants consisting of TE and BE students of IT department.

SEMINARS:

1. A department Level two hours Seminar was conducted titled, “Project Result Analysis” for all BEIT A and B students on 3rd and 12th March 2020 respectively.
2. A department Level two hours Seminar was conducted titled, “How to do define problem Definition” on 26th February 2020 for all TEIT A and B students.
3. A department Level two hours Seminar was conducted titled, “How to do Literature Review” for all TEIT A and B students on 7th and 11th March respectively.

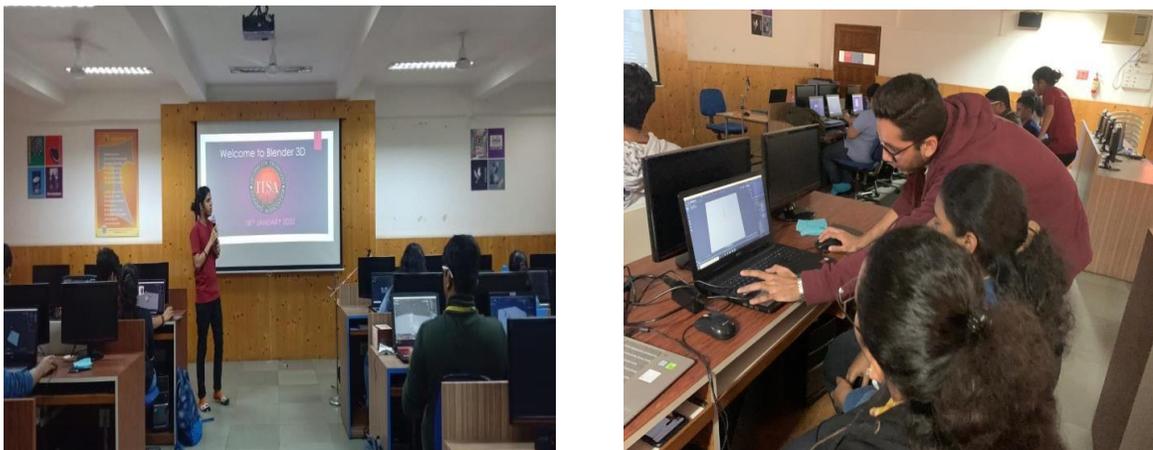
INFORMATION TECHNOLOGY STUDENTS’ ASSOCIATION (ITSA) EVENTS:

The ITSA had organized following technical and non-technical activities for SFIT students.

1. A workshop on “JAVA and SQL” by Mr. Nikhil Pujari and Mr. Rahul Bhatt on 21st September,2019 (10:00am to 4:00pm)



2. A workshop on “Graphics with Blender 3D” by Mr. Jervis Dias and Mr. KaranSurve on 18th January,2020 (10:00am to 5:00pm)



3. A workshop on “2D Graphics” using Adobe Illustrator and Photoshop by Ms. PriyaMenezesUX strategist and designer at CIO on 8th February2020 (9:00 -16:00).



4. Organized Intra-Department Debate Competition on 1st and 3rd Oct. 2019 (4.00 pm onwards)
5. Organized “Dance Mania” as one of its events for Mosaic’19 on 31st August, 2019 (11.00 am onward). Dance Dance Revolution (DDR) pads were made by ITSA for the very first time in Mumbai. They were made using cardboard elements and Arduino sensors.
6. Organized“Time Frame event” in MOSAIC ’19 which consisted of three rounds on 31st August, 2019 (11.00 am onwards)
7. Organized a seminar on GRE, for the Second year and Third year students of the IT department by Mr. K.P Singh on 7thAugust, 2019 (3 pm onwards)



INDUSTRIAL VISITS

1. Department of Information Technology arranged one day Industrial Visit for BEIT studentson 11th October 2019 to “Perto India Pvt. Ltd.”. Mr. Vijay from sales department introduced the gathering about the company and gave a short glimpse on how the Pertocompany works in banking and automation sector.



2. Department of Information Technology in association with ITSA arranged one day Industrial Visit for Third-year IT students, to Industry ‘NUOS Home Automation’ at Bandra Mumbai on 28th August, 2019, where students learned about various IOT based projects from Mr. Neil Sawant.



FACULTY ACHIEVEMENTS

MINOR RESEARCH GRANTS 2019-20

- Dr. Minal Lopes received minor research grant of Rs. 30000/- for topic IoT based Remote Health Monitoring System.
- Ms. Prajyoti Dsilva received minor research grant of Rs. 35000/- for topic Multi-purpose Vehicle(Hovercraft) for Military Applications.

FACULTY INVITED TALKS

- Dr. Joanne Gomes conducted 4 hours of online hands-on workshop on “Haskell-Programming” in second year syllabus orientation program for Faculty of Mumbai University on 10th and 11th July 2020.
- Dr. Nazneen Ansari was invited for talk on Big Data Analytics to St. John College of Engineering and Management, Palghar at 21-02-2020.

Workshops/ Seminar / Sttp /Conference / Online Certification Courses -Attended

- Dr. Joanne Gomes attended TEQIPsponsored one week FDP on “Deep Learning Theory and Applications”, from 16th to 21st Dec 2019 at VJTI Mumbai.
- Dr. Prachi Raut Passed 12 weeks online course certified by NPTEL – IIT Kharagpur on Introduction to Industry 4.0 and Industrial Internet of Things from January- April 2020
- Dr. Nazneen Ansari attended,
 - Machine Learning and Deep Learning Applications in Engineering and Science organized by Government College of Engineering, Karad and Rajkiya Engineering College Azamgarh (Technical Education Quality Improvement Programme-III) (TEQIP-III) from 16/05/2020 to 20/05/2020
 - Outcome-based Education: A step towards excellence organized by Government College of Engineering, Karad (AICTE sponsored under Margdarshan Scheme) from 11/05/2020 to 15/05/2020
 - Advance Technologies in IT at Vidyalandkar Institute of Technology from 09/05/2020 to 12/05/2020
 - Python 3.4.3 at Spoken Tutorial Project, IIT Bombay and DwarkadasJivanlalSanghvi College of Engineering from 03/05/2020 to 07/05/2020
 - Getting started with online teaching organized by C-DAC, Mumbai from 28/04/2020 to 02/05/2020
 - Passed 12 weeks online course certified by NPTEL – IIT Madras on Introduction to Machine Learning from January- April 2020
 - Passed 12 weeks online course certified by NPTEL – IISc Bangalore on NBA Accreditation and Teaching Learning in Engineering (NATE) from January- April 2020
- Dr. Minal Lopes attended,
 - National level (online) Faculty Development Programme on Disruptive Technologies of Industry 4.0 at Department of Computer Engineering, FRCRCE

- from 30/05/2020 to 03/06/2020
- NDLI User Awareness from National Digital Library of India in collaboration with St. Francis Institute of Technology, Mumbai at 29/05/2020
- Recent Trends and Applications of Machine Learning and Deep Learning in IT at Department of Information Technology from 25/05/2020 to 29/05/2020
- RESPONSIBLE USE OF MEDICINES from St. Francis Institute of Technology from 10:00 am to 12:00 pm, Speaker: Mrs. ManjiriGharat at 23/05/2020
- Professional Ethics in the VUCA from St. Francis Institute of Technology from 11:00 am to 12:00 pm, speaker: Counsellor Dr. Merle Coutinho at 22/05/2020
- Passed 12 weeks online course certified by NPTEL – IIT Kharagpur on Computer Networks and Internet Protocol from January- April 2020
- Ms. NitikaRai,
 - Passed 12 weeks online course certified by on NBA Accreditation and Teaching - Learning in Engineering (NATE) from January- April 2020
 - Passed 4 weeks online course certified by NPTEL – IIT Madras on Introduction to probability and Statistics from January- April 2020
- Ms. Shree Jaswal Passed 8 weeks online course certified by NPTEL – IIT Kharagpur on Fuzzy Logic and Neural Networks from January- April 2020
- Ms. GrinalMerwinTuscano completed a course on AWS Machine Learning at Coursera from 23/04/2020 to 08/06/2020
- Ms. Amrita Mathur Passed 8 weeks online course certified by NPTEL – IIT Kharagpur on Introduction to Soft Computing from January- April 2020
- Ms. Mrinmoyee Mukherjee Passed 4 weeks online course certified by NPTEL – IIT Madras on Introduction to probability and Statistics from January- April 2020
- Ms. Priyanca Gonsalves attended,
 - Completed a course on Business Metrics for Data-Driven Companies by Duke University at Coursera from 04/06/2020 to 02/07/2020
 - NDLI User Awareness from National Digital Library of India in collaboration with St. Francis Institute of Technology, Mumbai at 29/05/2020
 - RESPONSIBLE USE OF MEDICINES from St. Francis Institute of Technology from 10:00 am to 12:00 pm, Speaker: Mrs. ManjiriGharat at 23/05/2020
 - Professional Ethics in the VUCA from St. Francis Institute of Technology from 11:00 am to 12:00 pm, speaker: Counsellor Dr. Merle Coutinho at 22/05/2020

STUDENT ACHIEVEMENTS

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

- IT for Society, Colloquium 2020 organized by Department of Information Technology, SFIT, Mumbai on 17-01-2020
- Poster Competition
 - First Prize -Trilok Sawant, VaibhavSawant (Sfit-Extc)
 - Second prize - PatkarAmeyaSurendraShubhangi \M, Pinto Rodney Roman Veena \M, DongreAkshadaAjitDarshana \F
 - Third Prize - Singh AashutoshSunilkumarPoornima \M, RajakRohanRohitKanti \M, Mistry Harsh HitendraAruna \M
 - Consolation Prize - Mehta Himanshu Hitesh \M, Shah PremVipulkumar \M, VoheraSohil Bharat \M
 - Consolation Prize - Raut SaurabhPrakash \M, VaityAshutosh Dinesh Kalpana \M, RaiVinitManojMamta \M
- Project Competition
 - First Prize –Oveshahmed Patel, MohnishNathani
 - Second prize - ChoudhariRohit Ramesh, Patel JohanenShyamsunder, DoshiBhagya Bhavesh
 - Third Prize - SanjyotSalvi, LaviaSuvarna, ParthviSoni
 - Consolation Prize - YashPatwa, TulikaKotian, Nishi Shah
 - Consolation Prize - GiriSiddhantVijayshankarPramila, PoojariChaitali RameshSarojini, Silveira Dominic Michael Flora
- Coding Competition
 - First Prize – Anshika Gupta, Samarth Gaonkar
 - Second prize - PuranjayPotnis, Rhea Rodrigues, AlmasfizaShaikh
 - Consolation Prize - MednaKumble, NiharikaPattabhi, Martin Devasia
 - Consolation Prize - SelinaGer, Joshua D'souza
- Karan Sandam, Mahesh Makwana, PiyushSurkar, ShivamSinha secured fourth prize in HACK-STOMP Hackathon, 2020 organized by Universal College of Engineering, Mumbai from 13-02-2020 to 14-02-2020
- Deepak Kumar Yadav, SomMookherji, SiddhantPatil secured Third Prize at Technology challenge at Sameer organized by IIT Bombay on 28-02-2020
- Samson Correia, FesdiIDmello secured Second Prize at WEENGS 2020 organized by SKN Sinhgad College of Engineering, Pandharpuron 29-02-2020
- AlstenVaz, Lenin Bardeskar won First Prize in CSI GAMING WORKSHOP at SFIT, Mumbai on 02-03-2020
- PuranjayPotnis won Consolation Prize in Prayas - paper presentation at SFIT, Mumbai on 06-03-2020
- Karan Surve, Almasfiza Sheikh, Anshika Gupta, MukundaGujjar won Second Prize in PRAGATI 2020 Technical competition at SFIT, Mumbai on 13-03-2020 and 14-3-2020

EXTRA-CURRICULAR ACTIVITIES

- Kevin Rodrigues won Second Prize in Football competition at Sardar Patel college of Technology, Mumbai on 11-01-2020
- DolwinMenezes won First Prize in Football Team at SFIT, Mumbai on 30-01-2020
- Relson Pinto stood Winner for IRIS: MR & MRS IRIS at SFIT, Mumbai on 30-01-2020
- RohanRaval stood Winner for Freshers- Mr. Fresher at SFIT, Mumbai on 30-01-2020

**DEPARTMENT OF
MECHANICAL
ENGINEERING**

TEACHING FACULTY ACHIEVEMENTS

COURSES COMPLETED

| Name of Faculty | Course Title | Duration | Organized by |
|---------------------------|--|----------|--|
| Dr. Chelamallu Hariprasad | Online Course on Exam Reforms | 4 days | AICTE - KLE Tech University, Hubballi |
| | Environmental Management & Ethics | 6 weeks | Coursera.com- Technical University of Denmark (DTU) |
| | Learning How to Learn: Powerful mental tools to help you master tough subjects | 4 weeks | Coursera.com- McMaster University & University of California San Diego |
| | Improve Your English Communication Skills | 18 weeks | Coursera.com- Gorgia Institute of Technology |
| Mr. Sunil Pansare | ANSYS Workbench - A Complete Course | 1 weeks | udemy.com |
| | Online Course on Exam Reforms | 4 days | AICTE - KLE Tech University, Hubballi |
| | A Hands-on Introduction to Engineering Simulation | 5 weeks | edx.org - Cornell University |
| | Mechanics of Materials II: Thin-Walled Pressure Vessels and Torsion | 3 weeks | coursera.com - Gorgia Institute of Technology |
| | Acoustics Engineering – An Effective Use of Sounds & Vibrations | 3 days | Dr. BATU, Lonere |
| Mr. Bysani Malakondaiah | Introduction to Thermodynamics: Transferring Energy from Here to There | 8 weeks | Coursera.com-University of Michigan |
| Mr. Yunus Dalal | IC Engines and Gas Turbines | 12 weeks | NPTEL |
| Mr. Magesh Nadar | kinematics of mechanisms and machines | 8 weeks | NPTEL |
| | Autodesk Certified Professional: AutoCAD for Design and Drafting Exam Prep | 2 weeks | Coursera.com |
| Mr. Vipin Kallingal | Engineering project management: Scope, Time and cost management | 6 weeks | Coursera.com |
| Mr. Nandakumar Nagothkar | Autodesk Certified Professional: AutoCAD for Design and Drafting Exam Prep | 2 Weeks | Coursera.com |
| | Materials Science: 10 Things Every Engineer Should Know | 5 Weeks | Coursera.com |
| | Introduction to Engineering Mechanics | 5 Weeks | Coursera.com |
| Mr. Prasad Kawade | Data Scientist's Tool box | 4 weeks | Coursera.com |
| | Basic Statistics | 8 weeks | Coursera.com |

Faculty Development Programme (Fdp)/Workshop Attended

| Name of Faculty | Course Title | Duration | Organized by |
|-------------------------|---|----------|---|
| Mr. Sunil Pansare | Renewable Energy Sources- A way ahead | 1 week | MKSSSS's Cummins College of Engineering for Women, Nagpur |
| Mr. Bysani Malakondaiah | Renewable Energy Sources- A way ahead | 1 week | MKSSSS's Cummins College of Engineering for Women, Nagpur |
| Mr. Yunus Dalal | Outcome Based Education: A Step Towards Excellence | 5 days | Government College of Engineering, Karad under AICTE margdarshan scheme |
| | Renewable Energy Sources- A way ahead | 7 days | MKSSSS's Cummins College of Engineering for Women, Nagpur |
| | Engineering Education and the Industry: A post Covid 19 perspective | 5 days | RGIT |
| | National Workshop of “□□□□□□□□□□□□□□□□”: Enabling Self-Reliant Economy Through Techno-Social Innovation In A Perspective of Post COVID-19 Rural India | 3 days | UBA Cell, RGIT |
| Mr. Magesh Nadar | Outcome Based Education: A Step Towards Excellence | 5 days | Government College of Engineering, Karad under AICTE margdarshan scheme |
| | Renewable Energy Sources- A way ahead | 7 days | MKSSSS's Cummins College of Engineering for Women, Nagpur |
| Mr. Prasad Kawade | LaTeX FDP | 1 week | Sanjay Ghodawat University, Kolhapur |

SEMINAR/WORKSHOP ATTENDED

| Name of Faculty | Course Title | Remarks |
|--|---|---|
| Dr. Chelamallu Hariprasad | What Companies Expect while Hiring a Candidate? | NPTEL |
| | Tall, Super Tall & Mega Tall Buildings - Structural Systems | ACC knowledge Series |
| | Panel Discussion: Urban Slums the ticking TIME BOMB of Pandemics. Are only Architects Responsible for Vertical Slums? | IDAC , |
| | Diversity and Inclusion | NPTEL special lecture series |
| | Use of Technology in Educational Content Development | NPTEL special lecture series |
| | Making present and future hiring and L&D processes more resilient to disruptions | NPTEL special lecture series |
| | Panel Discussion : Disinfection Water challenges during and post COVID-19 , An international webinar series | International Centre for Clean Water (ICCW) |
| | Panel Discussion: Detergents for disinfection, Water challenges during and post COVID-19 | International Centre for Clean Water (ICCW) |
| | Identifying weaker students and remedial actions | inpods |
| | Brief introduction to ISHRAE and it's benefits for students | ISHREA, Mumbai Chapter |
| | “Effective and Efficient Online Teaching in the Age of Corona: A Hands-On Workshop” | PMMMNM, MHRD, Govt. of India |
| | Inaugural Online Workshop on E-Content Development | M. D. College Parel, Mumbai |
| | Mr. Sunil Pansare | Leveraging QMS to tackle challenges arising from COVID-19 |
| Open Mic | | SFITAA |
| A systematic Software based Approach to Academic automation and Accreditation Readiness Through IonCUDOS | | IonIdea |
| UPCOMING JOBS IN INDIA: What should students learn now? | | Ma TPO |
| Empower Students and Build Industry 4.0 Readiness | | TCS iON |
| Making present and future hiring and L&D processes more resilient to disruptions | | Mercer, Mettl Webinars |
| SOLIDWORKS 3DExperience | | Addonix Technologies Pvt. Ltd |
| NAAC Awareness Program - Affiliated / Constituent Colleges | | NAAC Bangalore |
| The Art and Science of Forecasting | | NPTEL |
| Heat Transfer & Fluid Flow Simulation for Heat Exchanger. | | FCRIT, Vashi |
| Prison to Freedom | | MESA-NSS, SFIT |
| Meeting with members of a team from Schinder Electric about establishing Centre of Excellence at SFIT | | Schinder Electric |
| Identifying weaker students and remedial actions | | inpods |

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| | Research Workflows, Research Metrics and Excellence in Academic Institutions | AICTE-Elsevier |
| | Brief introduction to ISHRAE and its benefits for students | ISHREA, Mumbai Chapter |
| | NAAC: Systematic Data Organization & Presentation | Vidyalankar Institute of Technology |
| Mr. Ravindra Garmode | Free resources for researchers | MUCTA |
| | SOLIDWORKS 3DExperience | Addonix Technologies Pvt. Ltd |
| | Using Engineering Simulations to Fight Covid-19 Outbreak | Ansys |
| | SOLIDWORKS 3DExperience | Addonix Technologies Pvt. Ltd |
| | Upcoming Jobs In India | Soumen Majumdar |
| | How to make your hiring and L&D more resilient to disruption | --- |
| | NAAC process for affiliated colleges | --- |
| | Solidworks CFD | --- |
| | Heat transfer & Fluid flow (CFD) simulation for a heat exchanger unit using Ansys Fluent | FRCE Vashi |
| | Outcomes Based Education, identifying weaker students outcomes and Remedial actions | Ajay Bhagwat |
| | Financial fitness | SFITAA |
| | ISHRAE IMC Students Discussion | ISHRAE |
| Mr. Bysani Malakondaiah | Teacher is a source and foundation of entrepreneur | Mumbai University and College Teachers' Association (MUCTA) |
| | e- learning the road ahead | Mumbai University and College Teachers' Association (MUCTA) |
| | Role of Infilbent in Higher Education: Special reference to college teachers and +researchers | Mumbai University and College Teachers' Association (MUCTA) |
| | Basics of Intellectual Property Rights | Mumbai University and College Teachers' Association (MUCTA) |
| | SOLIDWORKS 3DExperience | Addonix Technologies Pvt. Ltd |
| | "Education 4.0" | Organized by IQAC, Atharva College of Engineering |
| | Role of teacher in context with National Education Policy | Mumbai University and College Teachers' Association (MUCTA) |
| | India's Soft Power Potential: Prospect & Retrospect | Mumbai University and College Teachers' Association (MUCTA) |
| | Heat Transfer Concepts in Configuration Design of Lifting-body of Reusable Hypersonic Vehicle. | BVCOE |
| | Yoga: Way to Stress release for teachers. | Mumbai University and College Teachers' Association (MUCTA) |
| Role of WIPO in preservation of Intellectual | Mumbai University and | |

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| | property | College Teachers' Association (MUCTA) |
| | Webinar for the NAAC accreditation process | conducted by experts from NAAC committee |
| | Webinar on Advanced OBE - Identifying weaker students and remedial actions. | InPods Ed-tech |
| | One Day National Webinar On Effective Ways to Develop E - Content | SMT. Devika Mohansinhji Chauhan College of Commerce and Science |
| | Webinar on Towards excellence in Higher Education in 21 st Century : Challenges and Opportunities | Mumbai University and College Teachers' Association (MUCTA) |
| | Webinar on Siemens: Disrupting the Mould making Industry. | Siemens industries |
| | FDP on "Digital Teaching and Learning Environment | Pillai college of commerce, arts and Science in association with Mumbai University and College Teachers' Association (MUCTA) |
| | Brief introduction to ISHRAE and it's benefits for students | ISHREA, Mumbai Chapter |
| | Innovation, Entrepreneurship, IPR and Startups | MHRD's Innovation Cell |
| | Webinar on Professional Ethics in the UVCA | SFIT |
| | Webinar on Responsible use of Medicine | SFIT |
| Mr. Yunus Dalal | Intellectual Property Rights | PDPU in association with Intellectual Property Protection Organization |
| | IAQ in Healthcare Facility and District Cooling | ASHRAE and ISHRAE Mumbai Chapter |
| | MySolidworks, 3D Experience, Free Certification for students etc. | Addonix Technologies Pvt Ltd |
| | Science and Technology in Cricket | NPTEL |
| | Heat Transfer Concepts in Configuration Design of Lifting-body of Reusable Hypersonic Vehicle. | BVCOE |
| | NAAC Awareness Program | NAAC |
| | Know how CFD helps to innovate Product Design and Solidworks Flow Simulation | Dassault Systems - 3D Experience Company |
| | Prison to Freedom | MESA in collaboration with SFIT NSS |
| | Research Workflows, Research Metrics and Excellence in Academic Institutions. | AICTE-Elsevier |
| | Professional Ethics in the VUCA | SFIT, Mumbai |
| | Online Teaching and Learning using Google Classroom and Google Meet | Pillai College of Engineering |
| | Responsible use of medicines | SFIT, Mumbai |
| | Skyrosis | SFIT Alumni Association |
| | National Digital Library of India | NDLI |
| | Parenting- A guiding path for your young adults | SFIT |
| | Waste to Energy | Maharashtra Institute of Technology, Aurangabad |
| Enhancing Research Visibility through Academic Social Networks | SFIT | |

| | | |
|---------------------|---|---|
| Mr. Magesh Nadar | Using Engineering Simulation to Fight COVID-19 Outbreak | A Joint Assessment By Indian Institute of Technology, Ropar & Ansys India Pvt. Ltd. |
| | SOLIDWORKS 3DExperience | Addonix Technologies Pvt Ltd |
| | Leveraging QMS to tackle challenges arising from COVID-19 | DNV GL |
| | My Journey in Product Design, a Passion and a Career | NPTEL |
| | Empower Students and Build Industry 4.0 Readiness | TCS-ion |
| | MATLAB for online teaching and assessment | DesignTech Systems Pvt. Ltd. |
| | Know how CFD helps to innovate Product Design and Solidworks Flow Simulation | Dassault Systems-3D Experience Company |
| | Prison to Freedom | MESA in collaboration with SFIT NSS |
| | Identifying weaker students and remedial actions | inpods |
| | Research Workflows, Research Metrics and Excellence in Academic Institutions. | AICTE-Elsevier |
| | Professional Ethics in the VUCA | SFIT, Mumbai |
| | Online Teaching and Learning using Google Classroom and Google Meet | Pillai College of Engineering |
| | Responsible use of medicines | SFIT, Mumbai |
| Mr. Vipin Kallingal | Heat Transfer Concepts in Configuration Design of Lifting-body of Reusable Hypersonic Vehicle | Bharati Vidyapeeth college of Engineering |
| | Heat transfer & fluid flow simulation for heat exchanger | FCRIT, Vashi |

MINOR RESEARCH GRANT

| Name of Faculty | Name of Project | Sanctioned Amount |
|----------------------|---|-------------------|
| Mr. Sunil Pansare | Fabrication and Characterization of Magnesium Matrix Composites | Rs. 47,500/- |
| Mr. Ravindra Garmode | Design And Development of Mechanical Therapeutic hand for Paralyzed Victims | Rs 29,000/- |

NON-TEACHING FACULTY ACHIEVEMENTS

COURSES COMPLETED

| Name of Faculty | Course Title | Duration | Organized by |
|----------------------|---|----------|---|
| Mr. Harish Arekar | Mechanics of Material-I Fundamentals of stress & strain & Axial loading | 5 weeks | Georgia Institute of Technology - COURSERA |
| | Materials Science: 10 things every engineering should know | 5 weeks | University of California (Davis) - COURSERA |
| | Speak English Professionally: In person, online & phone | 4 weeks | Georgia Institute of Technology - COURSERA |
| | Autodesk Certified Professional : AutoCAD for Design Autodesk | 2 weeks | Autodesk - COURSERA |
| | Introduction to CAD, CAM & Practical CNC machining Autodesk | 4 weeks | Autodesk - COURSERA |
| | Introduction to Basic Vibration | 5 weeks | Korea Advanced Institution of Science & Technology (KAIST) - COURSERA |
| | Google Ads for Beginners | 1 weeks | COURSERA - project work |
| | Collaborative Robot Safety : Design & Development | 4 weeks | University at Buffalo - COURSERA |
| | Creating Toolpath for a CNC Lathe | 4 weeks | Autodesk - COURSERA |
| | Machine Design Part - I | 5 weeks | Georgia Institute of Technology - COURSERA |
| Mr. Vishal Acharekar | Introduction to Thermodynamics: Transferring Energy from Here to There | 8 weeks | University of MICHIGAN by Coursera |
| | Excel Skills for Business: Essentials | 6 weeks | MACQUARIE University, SYDNEY.AUSTRALIA by Coursera |

SEMINAR/WORKSHOP ATTENDED

| Name of Faculty | Course Title | Remarks |
|-------------------|--|---|
| Mr. Ashok Sapkale | National Workshop on Role of Non-teaching Staff Members in NAAC Accreditation | R.J. College of Arts, Science and Commerce |
| | “UPCOMING JOBS IN INDIA: What should students learn now?” | Maharashtra Association of training and Placement Officers |
| | Isolation of Lockdown | MESA in collaboration with SFIT NSS |
| | Financial Fitness | SFITAA |
| | Cyber Security | Institution of Electronics and Telecommunication Engineers, India |
| | NAAC Systematic Data Organization and Predations. | Vidyalankar Institute of Technology.(VIT) |
| | Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for Millennial Engineers. | St. Francis Institute of Technology, Borivali West, Mumbai |
| | Responsible Use of Medicines | St. Francis Institute of |

| | | |
|----------------------|--|---|
| | | Technology, Borivali West, Mumbai |
| | Impact of COVID 19 on Education System | Dr. Babasaheb Ambedkar Marathwada University, Aurangabad |
| Mr. Suresh Lad | National Workshop on Role of Non-teaching Staff Members in NAAC Accreditation | R.J. College of Arts, Science and Commerce |
| | "UPCOMING JOBS IN INDIA: What should students learn now?" | Maharashtra Association of training and Placement Officers |
| | Isolation of Lockdown | MESA in collaboration with SFIT NSS |
| | Financial Fitness | SFITAA |
| | Cyber Security | Institution of Electronics and Telecommunication Engineers, India |
| | NAAC Systematic Data Organization and Predations. | Vidyalankar Institute of Technology.(VIT) |
| | Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for Millennial Engineers. | St. Francis Institute of Technology, Borivali West, Mumbai |
| | Responsible Use of Medicines | St. Francis Institute of Technology, Borivali West, Mumbai |
| | Impact of COVID 19 on Education System | Dr. Babasaheb Ambedkar Marathwada University. |
| Mr. Harish Arekar | SOLIDWORKS 3DExperience | Addonix Technologies Pvt. Ltd |
| | Research Workflows, Research Metrics and Excellence in Academic Institutions | AICTE-Elsevier |
| | Know how CFD helps to innovate Product Design and Solidworks Flow Simulation | Dassault Systems-3D Experience Company |
| | Identifying weaker students and remedial actions | inpods |
| | Understanding how Google ranking Algorithms works | |
| | NPTEL :- Employability | NPTEL |
| | AutoCAD & Specialized Toolsets webinar | Autodesk |
| | Professional Ethics in the VUCA | SFIT, Mumbai |
| | Online Teaching and Learning using Google Classroom and Google Meet | Pillai College of Engineering |
| | Responsible use of medicines | SFIT, Mumbai |
| | Training & Learning (ATAL) Academy FDP'S | AICTE |
| | Online Teaching-Learning & Online Assessment Demo | inpods |
| | NAAC Accreditation Management System for Health Sciences Institutions | inpods |
| | Why you should write your own Resume | NPTEL |
| | Disruptive Technologies of Industry 4.O FDP | CRCE, College Bandra |
| Mr. Vishal Acharekar | Solidworks 3D Experience | Addonix Technologies PVT LTD |
| | National Workshop on Role of Non-teaching Staff Members in NAAC Accreditation | R.J. College of Arts, Science and Commerce |
| | "UPCOMING JOBS IN INDIA: What should students learn now?" | Maharashtra Association of training and Placement Officers |

| | | |
|-------------------------|--|--|
| | " Know how CFD helps to innovate product design with SOLIDWORKS flow simulation" | Dussalt Systems |
| | Isolation of Lockdown | MESA in collaboration with SFIT NSS |
| | Financial Fitness | SFITAA |
| | Introduction to ISHRAE and it's benefits for students | ISHRAE |
| | Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world for Millennial Engineers. | Dr.Merle Coutinho, Counsellor, SFIT |
| | Responsible Use of Medicines | SFIT |
| | "Introduction to Computer" | Jhulelal Institute of Technology, Nagpur. |
| | Enhancing Research Visibility through Academic Social Networks | SFIT |
| | ML for Developing Nations | SFIT |
| | Yoga Karona | SFIT NSS |
| Mr. Sanjay Ghadigaonkar | National Workshop on Role of Non-teaching Staff Members in NAAC Accreditation | R.J. College of Arts, Science and Commerce |

STUDENT ACHIEVEMENTS**INTERNSHIP COMPLETED**

| Name of Student | Organization | Class | Date | Specialization |
|----------------------------------|---|--------------|--------------------------------|---|
| Shridama Joshi | Centre of Excellence in Maritime and Shipping | SE | 09/12/2019 to 03/01/2020 | Essentials for NX Designers and using Team Centre. |
| Swapnil Kashid | Centre of Excellence in Maritime and Shipping | SE | 09/12/2019 to 03/01/2020 | Essentials for NX Designers and using Team Centre. |
| Yash Doshi | Gemsons Precision Engineering Pvt. Ltd | SE | 09/12/2019 to 04/01/2020 | Production Department. |
| Tharayil Glenn David Shiju | Unit No. 22/23, Highway Industrial Premises Co-op Society Ltd. | SE | 04/12/2019 to 24/01/2020 | Machinery Designs and improvement in machine built using soft skills. |
| Adarsh Dhruvraj Singh | Unit No. 22/23, Highway Industrial Premises Co-op Society Ltd. | SE | 04/12/2019 to 24/01/2020 | Machinery Designs and improvement in machine built using soft skills. |
| Karimullah Sibghatullah Warsi | Unit No. 22/23, Highway Industrial Premises Co-op Society Ltd. | SE | 04/12/2019 to 24/01/2020 | Machinery Designs and improvement in machine built using soft skills. |
| Arist Dias | UNIT No. 1/4, Pratham Industrial Estate | SE | 01/12/2019 to 31/12/2019 | CNC press brake, CNC sharing and argon welding. |
| Nilesh Mishra | Raychem Private Ltd. | SE | 02/12/2019 to 02/01/2020 | Quality Assurance Lab |

COURSE/TRAINING/CERTIFICATION COMPLETED

| Name of Student | Course | Certification | Class | Date | Specialization |
|------------------------|---------------|---|--------------|-------------|-----------------------|
| Struan Dias | Solidworks | Certified SOLIDWORKS Professional (CSWP) | SE | 31/05/2020 | Mechanical Design. |

COURSE/TRAINING COMPLETED

| Name of Student | Course | Class |
|------------------------|--|--------------|
| Nilesh Mishra | 3d modelling using Autodesk fusion 360 | SE |
| | Simulation using Autodesk fusion 360 | |
| | Python for everybody | |
| | Python 101 data science | |
| | Professional email writing | |
| | Python basic to advance | |
| | Crash course on java | |
| | Career edge knockdown the lockdown | |
| | Communication skill | |
| | Basic of motor | |
| | Basics of drives | |
| | Introduction to automation | |

EXPERT LECTURE

SEMINAR: “GEAR UP!-CRANKING OPPORTUNITIES”

Date: 29th of February, 2020

Speaker: Mr. DhawalDoshi

Organized by: SFIT Alumni Association

Students attended: SE Mech

Mr. Dhawal started off by explaining what mechanical engineering means to him. He also told the audience about the trends in today’s industry, the career opportunities and the challenges that one may have to face.



Overview of the industry:

Mechanical engineering is the oldest and the broadest branch of engineering. The world started with it. Mumbai University is trying to include the subjects required for the industry like Thermal, Manufacturing, Vehicle (Automobile), Robotics, CAD/CAM, Simulations.

Opportunities for Mechanical Engineers:

Mr. Dhawal mentioned all the various opportunities that a student can take advantage of like a job through the campus, or joining the armed forces or NDA/SSC. A student could also give the UPSC exams in order to aspire to become an IAS or an IPS officer. After a degree, a student could pursue his/her M-Tech or MBA or MS. One could do research and academia in DRDO/ISRO/DIAT. Entrepreneurship nowadays has a lot of opportunities. He emphasized on the fact that specialization is extremely important and students should select their subjects according to the area in which they want to do specialization. For example, Data Analysis is a very up and coming field. A student then asked him about the Aero industry, to which he replied by saying that nowadays making of aircrafts and jets is essential.

He also went on to say that the IT industry can be shifted, but not the manufacturing industry, which makes mechanical engineering so much more important. There is a mechanical aspect in almost everything. He asked the audience to be aware of the subjects that we like the most while learning in college, in order to help the students in identifying what they want to do and build. He was then asked about the opportunities in India, to which he replied by saying that IITs and IIMs are the topmost universities we have and various government companies give a lot of funds and opportunities to explore various different things. Mr. Dhawal encouraged the audience to think about various different projects and he told the students that if a project works out, then there are limitless opportunities that flow in.

Current Scenario:

He also told the students that it's better to start as early as possible. He asked the students to check out different courses outside of our syllabus during their vacations, experience different internships and explore industries. He said there is a great opportunity for microprogrammers. By the end of 3rd year, get good exposure. The best time to think about this is in the 6th semester. He encouraged the students to take part in SAE competition, which gives them a platform to showcase their projects, and get a good amount of exposure.

A student then asked him if it was better to start a first job in a small company or a big one, to which he said that one should start off in a smaller company, in which there is a lot of scope to learn and as it would mostly be understaffed, one will have a lot of work to do and he/she would get more exposure. He then mentioned the history of the manufacturing sector and its evaluation in India. Pre Independence, the handicraft industry started. From 1948 to 1991, lots of industries were set up. Around 1991, the industries were on the brink of breakdown, but globalization started and that saved them. Post 1991, there was a good amount of growth. Presently, we are in Industry 4.0.

Future Trends:

The industry as a whole has advanced a lot in the past few years. It started off with Industry 0.0, which was before machine, when production was done by hand. We then moved on to Industry 1.0, or the Steam Engine era. Then came along Industry 2.0, which included electric motors.

Industry 3.0 was programmable machines and digital revolution. We are in the Industry 4.0, which is the era of AI and Machine Learning. Lots of control panels, sensors, algorithms, programs, and machines interact amongst each other and take decisions. Industry 4.0 means more efficient production, and new marketing and business models. It means strong customer centricity. Industry 4.0 results in Efficiency, innovation and agility. Key components of a value chain are the NSupplier, Tier1, Tier2, and OEM.

Future trends in the Automobile Industry include jumping directly to BS6 engines from BS4 engines. As of 1st April 2020, India will make an attempt to move completely to BS6 engines. New Technology includes electric vehicles, hybrid and plugin hybrid vehicles. Battery Electric Vehicles work for about 300 to 310 km in India, whereas Tesla Motors work for about 800 km without recharge.

Tesla motors diversified into automobiles as well as space. Tesla makes autonomous cars in the USA whereas SpaceX makes reusable rockets with the focus on cost cutting. In India, Reva was the first company to make an electric car in India. A challenge faced by electric cars is the recharge time of the battery, which is about 90 minutes, as compared to the normal diesel refill of about 10 minutes.

Mr. Dhawal also showed the audience videos of auto breaking, cars connected to each and the environment using 5G WiFi and a driverless tractor.

After this enlightening talk, Mr. Sunil Pansare, the HOD of the Mechanical Department gave a Vote of Thanks on behalf of everyone. He then felicitated Mr. Dhawal with a small token of appreciation. After filling of the feedback form, the informative seminar came to an end.

INDUSTRIAL VISIT

“KLT- AUTOMOTIVE AND TUBULAR PRODUCTS LIMITED”

Date: 22nd of February, 2020

Place: Palghar

Organized by: Department of Mechanical Engineering

Students attended: SE Mech



With rich experience of more than 30 years, KLT is the leading authority when it comes to chassis manufacturing for several OEMs in India as well as overseas. Multiple manufacturing facilities located across India and a facility in South Africa enable KLT to employ state of the art technology to deliver a product that focuses on safety, quality and dependability. An extensive setup of press shops, automatic & semi-automatic assembly lines, paint shops present at each location ensure that KLT is an invaluable partner to the world’s top auto manufacturers through its significant infrastructure and expertise.

The Company supplies body, chassis & components to leading Original Equipment Manufacturers (OEMs) in India and abroad. KLT supplies tubes to automobile and other segments like cycle, boiler and heat exchanger, electrical industry, including export markets KLT’s key clientele includes large OEMs such as Ford Motors, Mahindra & Mahindra (M&M), Tata Motors, Volvo Eicher Commercial Vehicles(VECV), Ashok Leyland, aimler, MAN Trucks, etc. KLT has six state-of-the-art manufacturing facilities in India located at Palghar (2plants), Pune, Pantnagar, Chennai and Indore.

Teams Formed

| Team | Name of Members | Team | Name of Members |
|---|----------------------|------------|----------------------|
| Core Committee | Ameya Sardesai | Gatee Sfit | Ameya Sardesai |
| | Aaron Pashana | | Aaron Pashana |
| | Anish Adgoankar | | Adarsh Singh |
| | Daksh Dudhat | | Adarsh Aare |
| | Devarsh Kachalia | | Akash Patil |
| | Hrishikesh Jadhav | | Amey Ghadigaokar |
| | Joel Jaison | | Anish Ghore |
| | Joynal D'Souza | | Chaitanya Shirodkar |
| | Karan Bhuta | | Dev Surve |
| | Kaustaub Pawar | | Devarsh Kachalia |
| | Keith Pereira | | Eldin Leitao |
| | Kush Shah | | Glenn David Tharayil |
| | Meet Patel | | Hrishikesh Jadhav |
| | Nilesh Mishra | | Jay Ghosalkar |
| | Shayne Fernandes | | Jay Raut |
| | Shridhama Joshi | | Karan Bhuta |
| | Shubham Kamble | | Karimullah Warsi |
| | Tapaswi More | | Keith Pereira |
| | Vedant Sharma | | Kush Shah |
| | Vedika Manelkar | | Maitril Patel |
| Yash Doshi | Meet Patel | | |
| Ishrae Sfit | Ameya Sardesai | Tejas | Nilesh Mishra |
| | Anish Adgoankar | | Saahhiel Saawaant |
| | Adarsh Singh | | Shriyanth Pawar |
| | Akash Patil | | Shubham Kamble |
| | Chaitanya Shirodkar | | Stevenal Baptista |
| | Dev Surve | | Vedant Sharma |
| | Dylan Pereira | | Joel Jaison (ADV) |
| | Eldin Leitao | | Shridhama Joshi |
| | Glenn David Tharayil | | Siddesh Lele |
| | Jay Ghosalkar | | Swaonil Kashid |
| | Karimullah Warsi | | Prapti Salaskar |
| | Nilesh Mishra | | Chris D'Mello |
| | Prajwal Badgujar | | Lynn Carvalh0 |
| | Saahhiel Saawaant | | Prathamesh Kelkar |
| Shawn Shibu Mathews | Soorya Iyer | | |
| Tapaswi More | Morgan Colaco | | |
| Rijo Rajasekar | Savio Pullkotil | | |
| Omkar Parab | Omkar Parab | | |
| MESA | Ameya Sardesai | | Dhanashree More |
| | Kush Shah | | Craig Carvalho |
| | Shubham Kamble | | Rijo Rajasekar |
| Department of Mechanical Engineering | | | Siddhi Naik |
| | | | Anish Gorhe |
| | | | |
| | | | Yash Doshi (ADV) |

THANK YOU!



Compiled By:

| | |
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| Ms. Neha Agnihotri | FE |
| Mr. Younus Dalal | MECH |