



ST. FRANCIS INSTITUTE OF TECHNOLOGY

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

BITS



BYTES

(For Internal Circulation only)

[July 2020 to December 2020]

Sr. No	Index	Page
1	Student Chapters Reports	3
	NSS-SFIT	4
	CSI-SFIT	7
	ISTE-SFIT	10
	IETE-SFIT	12
	IEEE-SFIT	20
2	Learning and Information Resource Centre	23
3	Department of Applied Science and Humanities	28
4	Department of Computer Engineering	47
5	Department of Electrical Engineering	71
6	Department of Electronics and Telecommunication Engineering	82
7	Department of Information Technology	85
8	Department of Mechanical Engineering	91

SFIT STUDENTS CHAPTERS



CSI SFIT STUDENT CHAPTER

ST. FRANCIS INSTITUTE OF TECHNOLOGY

Mt. Painsur, Borivali (W).

NSS ACTIVITIES

International Women's Day Celebration 8th March 2020

A Self Défense Programme for all the women students of the Institute was held on March 7 on the occasion of International Day. The main objectives of the programme are to empower women, enable them to defend against any type of physical assault and to build self-confidence so that they can contribute significantly to their own development, shape their own destiny. The resource persons were the Students of BE Mr. Amit Singh Bisht assisted by Shruthi Sawant. The programme was open for all the girl students and the female faculty members. About 165 girl students Participated in the program.



World Environmental Day 5th June 2020

An online poster making competition was organized on the occasion of World Environmental Day on 5th June 2020. The best three posters were published in the social media



Stay Home/ Stay Safe Campaign 20th July 2020

The NSS volunteers organized an online campaign during the lockdown period to exhort all the citizens of Mumbai to stay at home and be safe and abide by the norms of the local authorities and fulfill personal responsibilities to overcome the Covid 19 Pandemic.

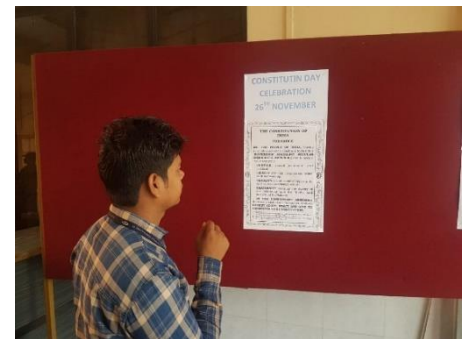
About 32 volunteers from different departments came forward to carry out this campaign.



Constitution Day Celebration 26th November 2020

The Constitution Day was celebrated in the Institute on November 26th 2020 to commemorate the adoption of the **Constitution** of India.

The NSS volunteers displayed the preamble of the constitution of India at the entrance notice board and encouraged the students to read it and understand the importance of the constitution. India being the largest democracy in the world has a very elaborate constitution to uphold the Fundamental rights of every citizen of the country.

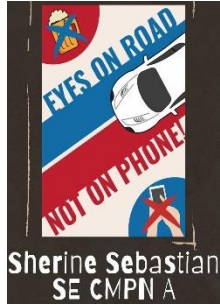


Road Safety Campaign 27th December 2020

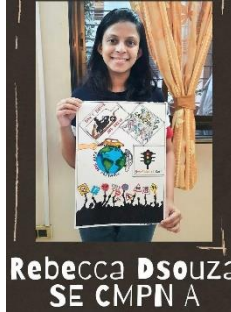
Road safety campaign was organized by the NSS volunteers by conducting an online poster making competition. The best five posters were published on social media.



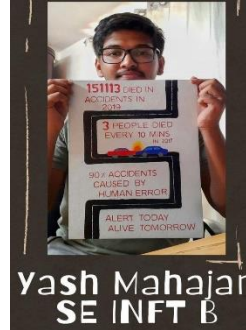
Luvina Mary
SE INFT B



Sherine Sebastian
SE CMPN A

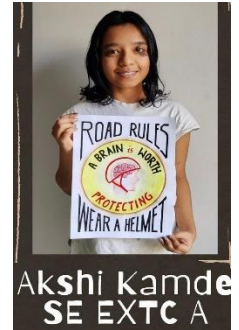


Rebecca Dsouza
SE CMPN A



Yash Mahajan
SE INFT B

Data



Akshi Kamde
SE EXTC A

Submitted Mr.Paul Fernandes

The CSI Show

REPORT

Stories are the most powerful way of fuelling ideas into the world and as engineers we need to be up to date with ideas from all around the world. Thus, CSI SFIT started a new initiative **The CSI Show**. A show where individuals in the community from all around the world tell their story, exploring their successes, failures and future plans.

Due to the pandemic, we had to resort to a virtual platform and used Youtube for streaming and Zoom for recording purposes. Our first episode of The CSI Show featured **Ali Mustufa Shaikh**, a popular name synonymous with Machine Learning and Data Science. He is a Google Certified Educator, manages Google Cloud Developers Community Mumbai and established the first Tensor flow User Group. A Software Innovator at Intel, Microsoft Student Partner and a global influencer for Google Crowdsorce Community, India.

In the very first episode of the CSI Show, **Ali joins Ms.Delicia Fernandes(CSI Chairperson) and Niharika Pattabhi(CSI Vice Chairperson)** talking about his experiences, the various successes he achieved and how he reached where he is today. The show has already garnered over 500 views and is a big hit!

The idea of the show was sparked when we realised how important it is to have honest conversations with engineers and renowned individuals around the world. The motive of the show is to spark honest conversations and motivate students to aspire and ask the right questions. Each new episode will be out at the end of the month on our CSI SFIT Youtube channel.

Following are the links to the show:

- Channel Link: <https://www.youtube.com/channel/UC7fiMWI2n3BXDQCKk3blUMA>
- Episode 1: <https://youtu.be/kfY5WQ9xEes>

Following are some pictures we used:



EP 1

ALI
MUSTUFA
SHAIKH



Data Submitted Ms. AMRITA MATHUR

SFIT ISTE

A REPORT WORKSHOP ON AUTOMATION USING SELENIUM ORGANISED BY SFIT ISTE STUDENT CHAPTER

Out of 100 testing tools that were taken into account, 9 out of 10 testers are using Selenium for their test automation. It has over 27.4% of the market share of all automation testing tool and is considered as the industry standard for user interface HI automation testing of Web applications.

Objectives:

This workshop on Selenium which is a portable software testing framework for web applications which can be deployed on Windows, Linux and Macintosh platforms. In this workshop, students got to learn Selenium Introduction ,Selenium Architecture ,Installation of Selenium WebDriver ,Live demo on how to write scripts using Selenium WebDriver.

Benefits:

Selenium is a Functional Automation Tool for Web Applications. It is cost effective and flexible.

Resource Person:

Resource person for AUTOMATION USING SELENIUM WORKSHOP was Mr Suraj Vijayaraghwan sir Automation Analyst at Mindcurv Technology Pvt Ltd

Venue: Google meet

Date & time: 18th October 2020, Sunday 12pm - 1:30pm.

Program Overview:

It was a 1hour 30minutes workshop for introducing students to selenium ,its architecture, installation of selenium web driver and how to write scripts in selenium. The participants are from the SE, TE and BE students. Total of 65 students attended the workshop. The workshop started at 12 pm and concluded at 1:30 pm.

The list of participants is as follows:

Sneha patange TE
Sudarshan Paranjape TE
Chaitanya Shirodkar SE
Precious Rodrigues TE
Kaif Kohari SE
Anshika TE
Pritesh patne TE
Nipun Henriques SE
Ashutosh Pandey TE
Christina Pereira TE
Neil Albuquerque TE
Shailesh Prakash Mhaskar TE
Kevin Rodrigues TE
Semil Rajesh Shah TE
Sherwin Navin Mathias TE
Sanika Acharya SE
Maurice Pereira SE
Clare Richard Rebello TE
Nithin Menezes TE

Beryl TE
Linnet SE
Yogesh Singh Nayal SE
Joel Dsouza SE
Anosh wilson nagarkar SE
Aditya Ghadge SE
Manas Acharya BE
Pranav Pandurang Yadav SE
Tripti Jain SE
Priyen Dsouza SE
Urvansh Shah TE Supriya joshi SE
Vedant zalke TE
Vishal Uday Karkera BE
Amogh Vartak TE
Ansel Francis Dsouza TE
Lester Gregory Rodrigues SE
Mishra subhashkumar shrawan TE
Mahek TE
Trijjal Prajapati SE
Vaishnavi Keshav Puthran SE
Mervin D'costa TE
Keyur S Mandavgane TE
Jasleenkaur Bindra SE
Jasleenkaur Bindra SE
Yogita Likhi TE
Aditya Ghadge SE
VIRAL SONI SE
Sherine Sebastian SE
Sagar Bhalshing SE Manisha SahuTE
Viraj Thakur TE
Mervin D'costa TE
Punit Dhole BE
Vrishti Dhruv TE
Mahendra Jadav TE
Rahul Solanki TE
Jayesh D. Patil TE
Samiksha Bharankar TE
NIMISHA GEORGE TE
Harsh Daitkar SE
Mishra subhashkumar shrawan TE
Ujala Maurya TE
Divya Ravindra Pitale SE
Jilson Correia TE Shruti Gupta TE

Grahita. P
President Secretary

Data Submitted Mr. BYSANI MALAKONDAIAH

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.

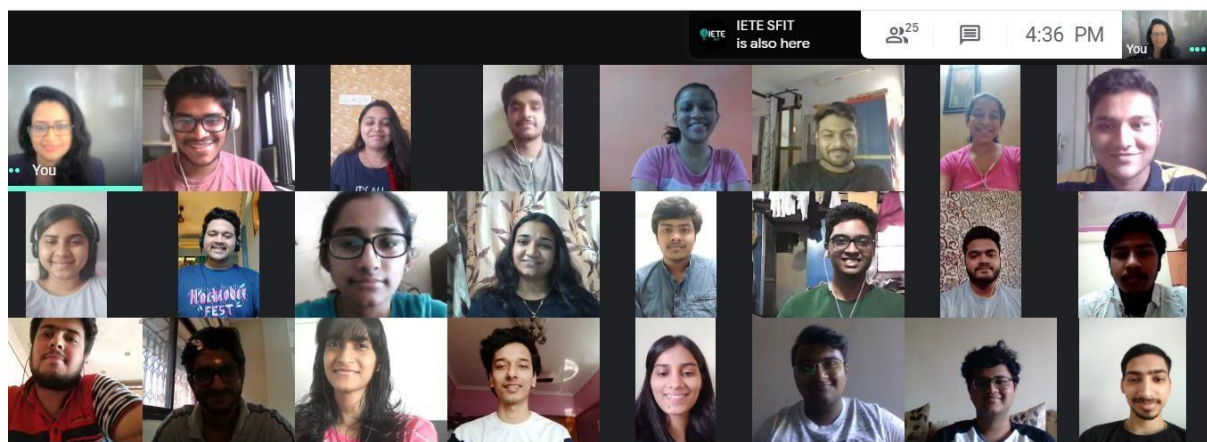
At present there are 37 active members in this chapter. Ms Shilpa Chaman, Assistant Professor, EXTC department, is the coordinator for this chapter. The endeavor of IETE-SFIT student Chapter is to spread awareness about the state-of-the-art technologies used in industries and develop all-round skills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

EVENTS ORGANIZED IN AY 2020-2021

In AY-2020-21, the following events were organized as part of the student chapter:

1. IETE-SFIT SF National level webinar on "IOT using Raspberry PI", 17 October 2020.
2. EACH ONE TEACH ONE WEBINAR SERIES on "Basics of Arduino and Tinkercad", 24th October 2020.

Current Committee Photo.



Introduction to IoT Using Raspberry Pi

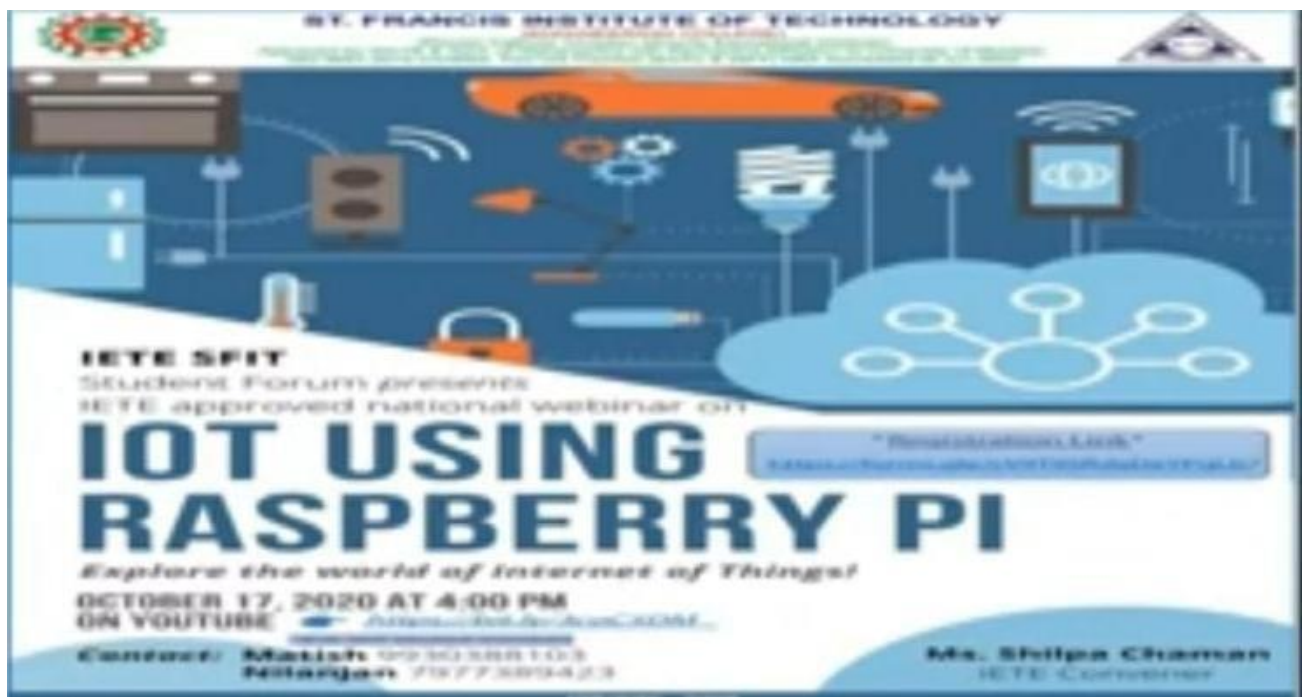
On 17th of October 2020 IETE-SFIT student forum along with Pantech e-learning streamed a IETE approved live webinar on ' Internet of things using Raspberry Pi. The webinar was attended by members of IETE from different colleges as well as 60 students of SFIT and over 200 viewers were present.

The webinar began at sharp 4pm. Students were introduced to IETE. The main task of IETE members is to spread awareness about state-of-the-art technology used in industries. After the college introduction, the speaker introduced about Raspberry pi, installation of OS on a Raspberry pi and also about the architecture and pin connections of a Raspberry pi.

After connecting all the hardware to Raspberry pi, the the speaker introduced about the software used for operating Raspberry pi. So she introduced Internet of Things (IoT) and Industrial Internet of Things (IIoT). IIoT which encompasses industrial applications including medical devices, robotics and software defined production processes. Speaker has also given insights on cloud computing and protocols. The protocols emphasized were Simple Mail Transfer Protocol (SMTP) and Message Wiring Telemetry Transport (MQTT). Finally, the code execution was also demonstrated. The code was executed without any errors and the desired output was shown.

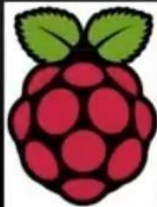
The session was concluded after recording participant's feedback. And the session ended on a high note.

Our highly skilled speaker – Ms. Hemasri Yallanki, is a senior engineer and embedded developer at Pantech solutions Pvt LTD. Our speaker has completed her B. Tech in Electrical and Electronics Engineering from Vasireddy Venkatadri Institute Of Technology. She is also skilled in programming languages like C, C++, Python, Embedded C and has a good knowledge of controllers like Arduino, Node MCU & Raspberry Pi, ARM, PIC.

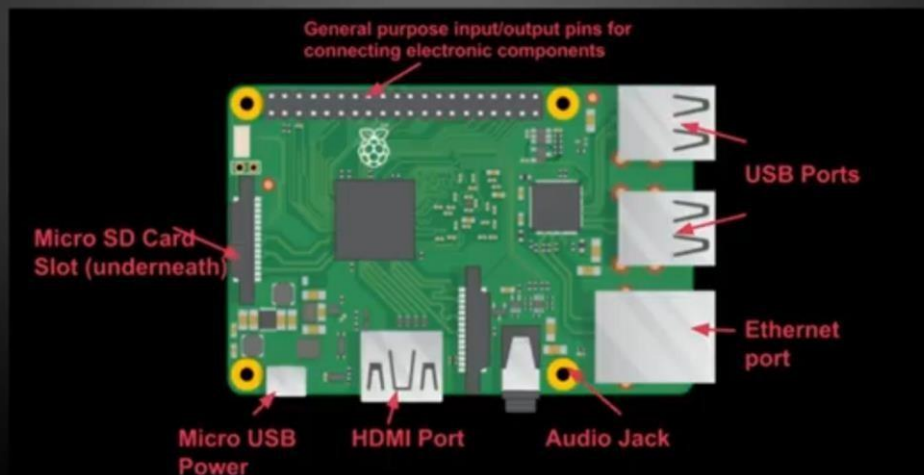


INTRO TO RASPBERRY PI:

The **Raspberry Pi** is a low cost, credit-card sized computer that plugs into a computer monitor or TV, and uses a standard keyboard and mouse. It is a capable little device that enables people of all ages to explore computing, and to learn how to program in languages like Scratch and Python.



ARCHITECTURE:



The event focused on the following key points:

To provide a platform to students to develop their technical and managerial skills by presenting on various technical topics.

To update students with technological developments in the field of Electronics & Telecommunication.

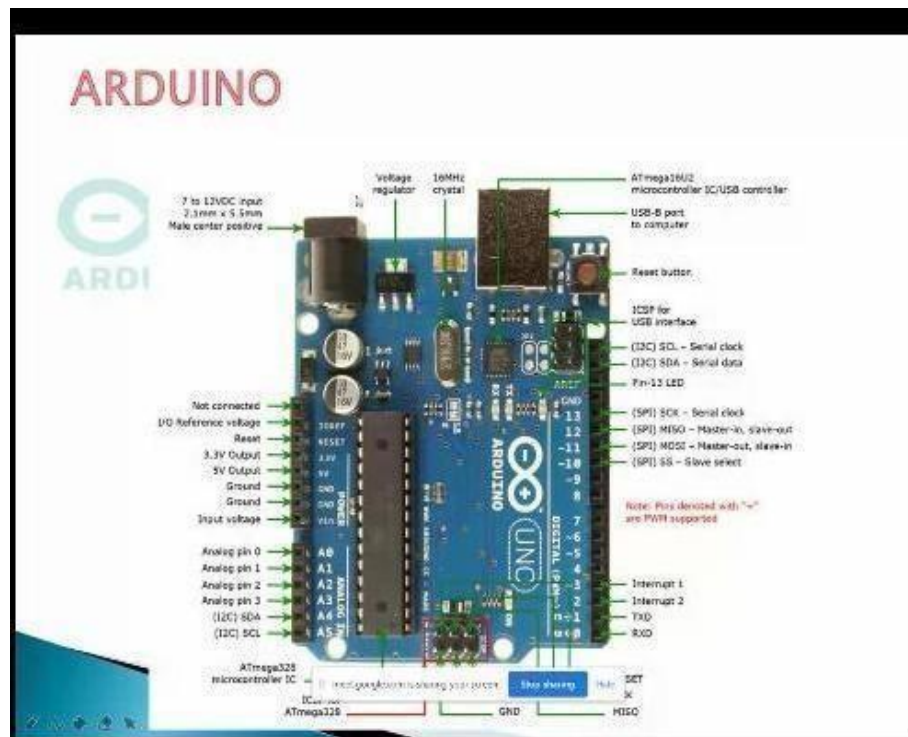
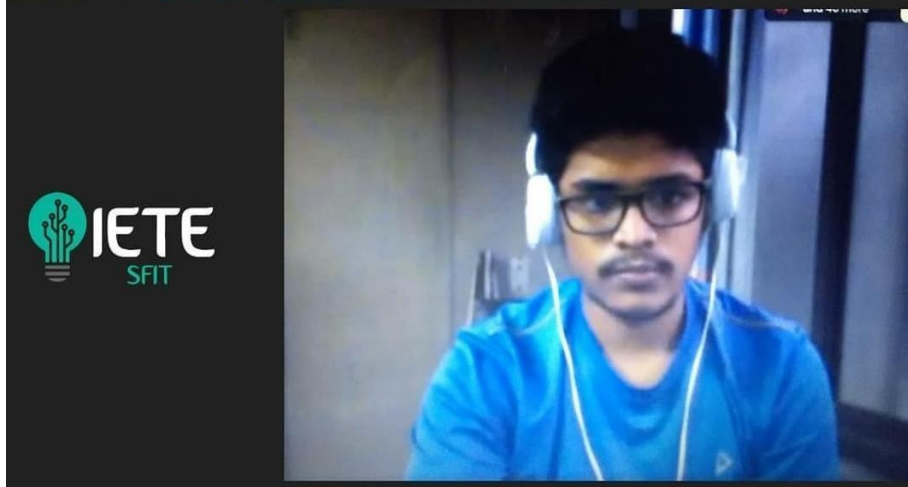
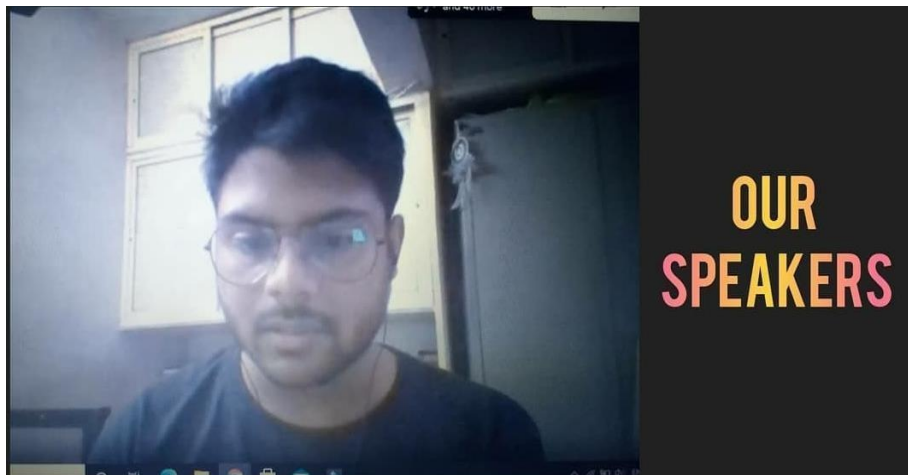
Description-

This webinar is a part of the “Each One Teach One” program where student members of the committee impart their knowledge to their fellow members and students. The resource persons of the course , Nilanjan Choudhury and Royston D’mello in consultation with each other and other members of the committee have put in tremendous efforts to give proper shape to the webinar. It is my sincere notion that the student participants from all department will stand to benefit in terms of knowledge and skill by completing the course. It will also be beneficial from the point of view of projects and placement

DAY1

- On 24th Oct 2020 IETE SFIT hosted a webinar on **basics of arduino** which was initiated by Nilanjan Choudhury and Royston Dmello with the motive of **EACH ONE TEACH ONE**.
- The webinar began at sharp 5:00 PM the main task of IETE members is to spread a concept and visuals related to Arduino. After the introduction the speaker introduced to arduino and their properties, hardware and software. Then there was explanation on how arduino is installed in Windows, OS and in Linux software.
- All participants came to know about the microcontroller and it’s uses then there was explanation about arduino and were made familiar with its properties and also came to know about different types of arduino boards eg: MEGA, LILYPAD, MINI, NANO 43×18mm and different versions of arduino .
- learnt about shield and their uses the examples are ARDUINO ETHERNET SHIELD, XBEE SHIELD, TOUCH SHIELD Etc. After that explanation was about the external power uses, External power connector, Usb connector. So this was done with connecting all the hardware. Then came to know about the software used that is ARDUINO IDE. Also participants were introduced to ARDUINO programming language v/s processing.
- The speakers provided with a collecting information on Arduino and the statistics which is increasing day by day. They introduced different project based on Arduino and also introduced future projects.
- Participants feedback was recorded and the session ended on a high note.

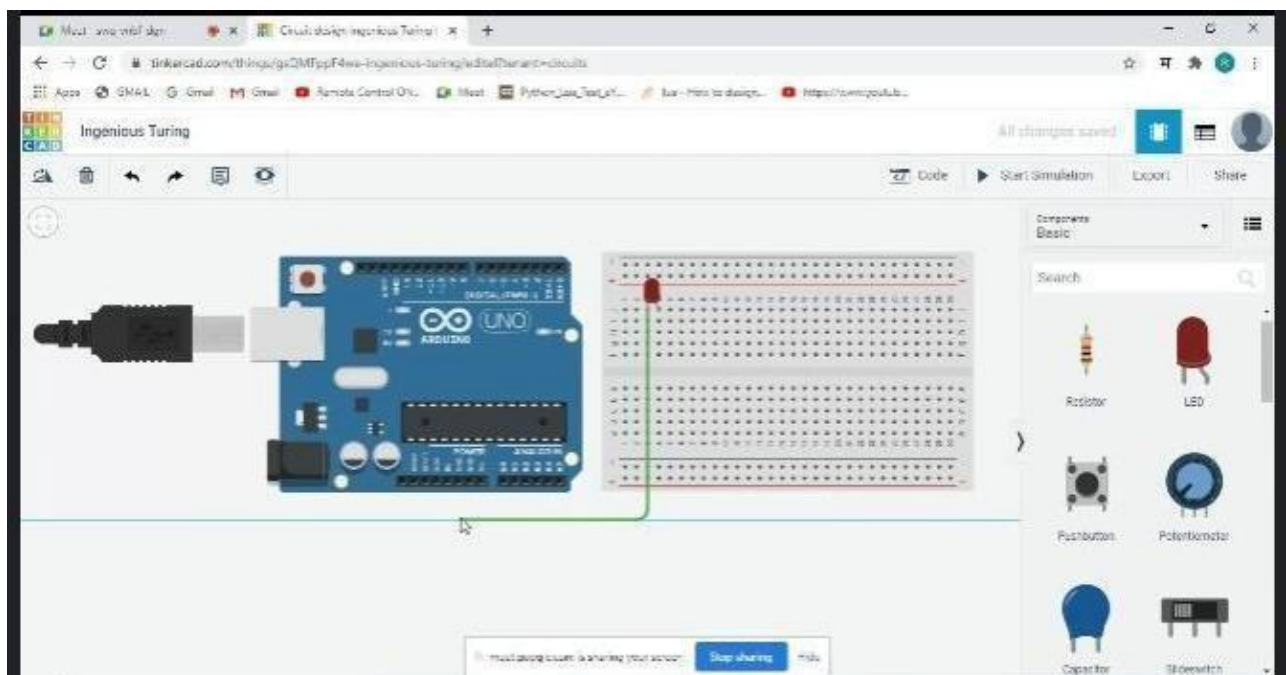
Here Are Some of the snippets from our webinar on Day1 :

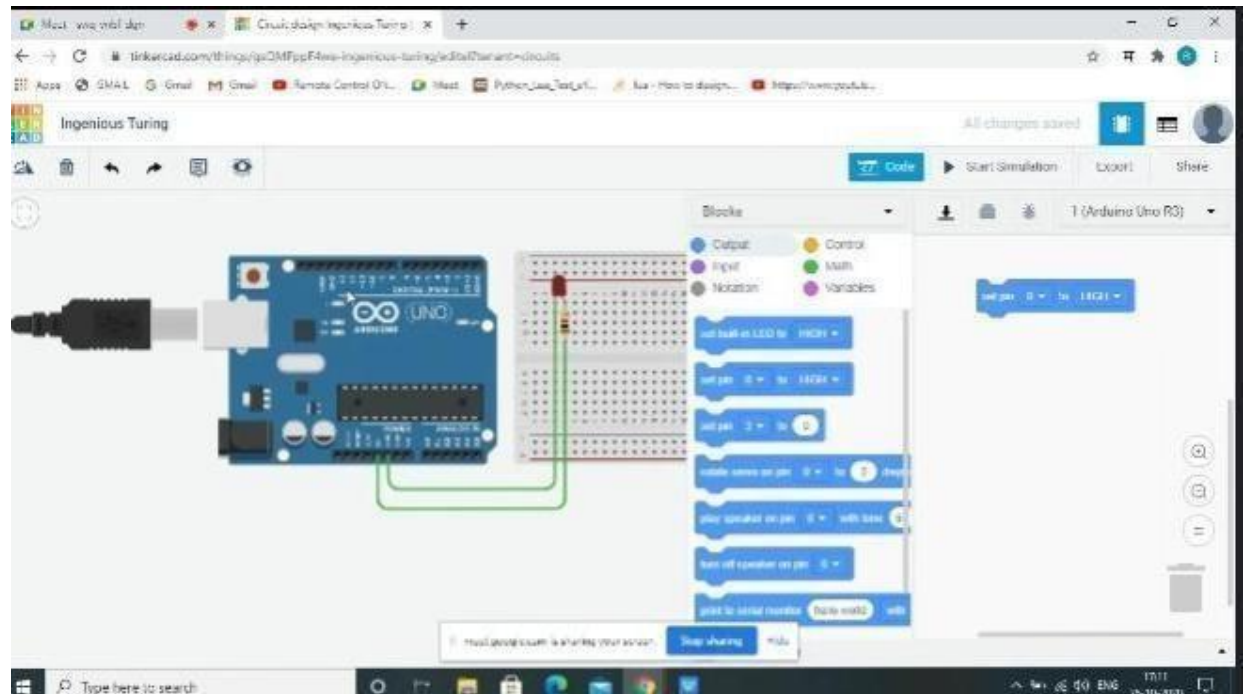
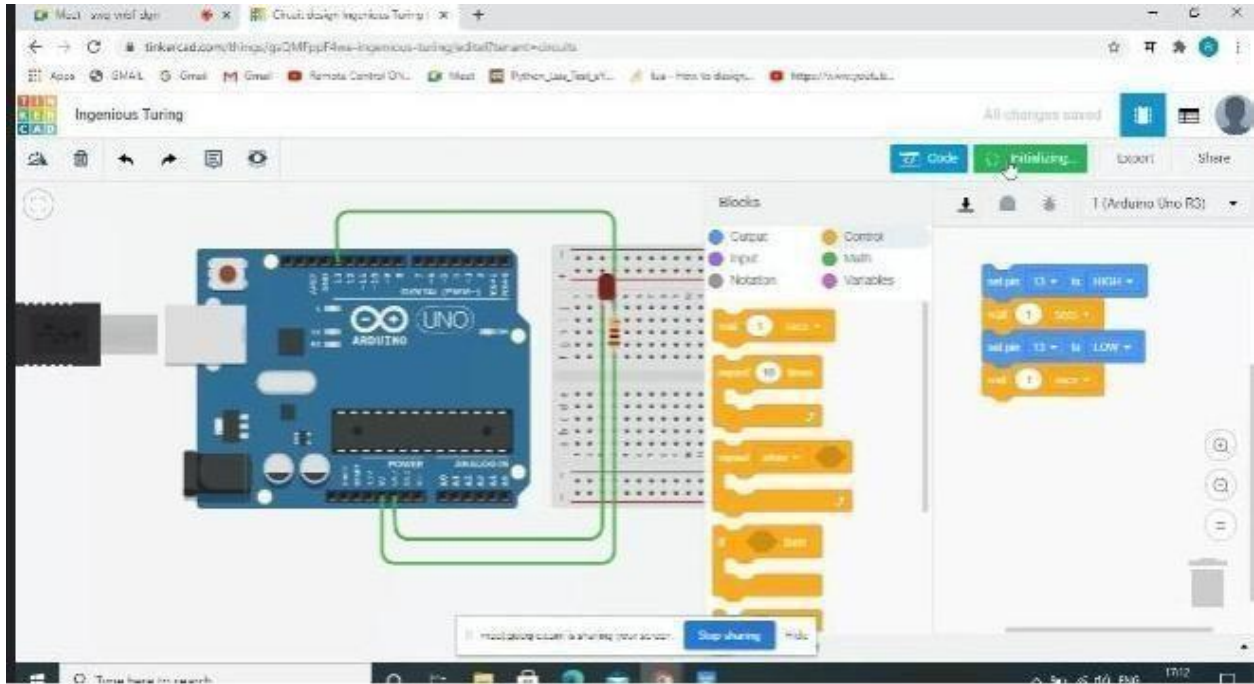


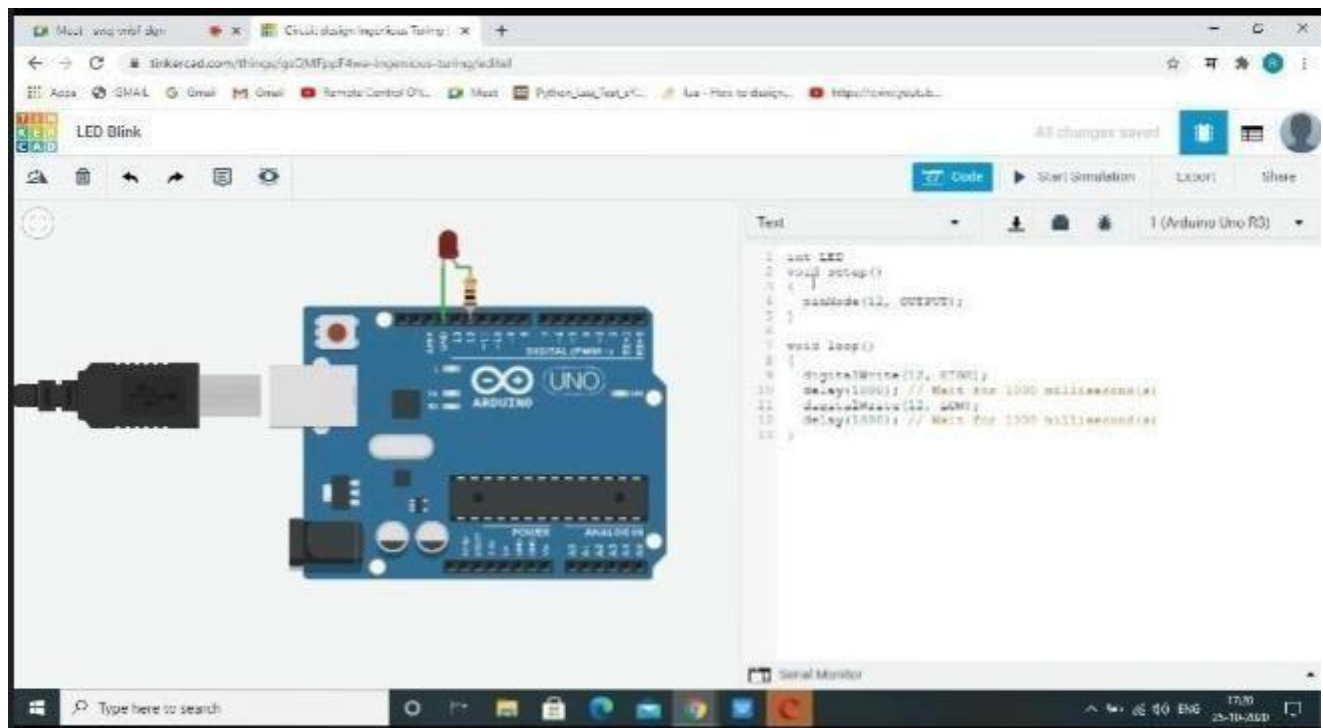
DAY 2

- On the second day of our webinar i.e. 25th oct 2020 participants came to know about a very productive software name as Tinkercad. The webinar began at sharp 5:00 PM which was initiated by Nilanjan Choudhary and Royston Dmello.
- The session was a very productive and meaningful, got the chance to know about several projects that we can proceed through tinkercad.
- The session was full of exciting and with innovative products and new learning opportunities with technology as a major consumer of our time and also an exciting experience in our world today.
- Learning tinkercad participants came to know that it is an easy to use app for 3-D cad design, electronics and coding . It is used by many of the students to imagine, design and make anything. Also came to know about the uses of arduino in tinkercad and the projects we can perform through arduino with the help of tinkercad.
- The speakers gave participants a collective knowledge and made them easier to understand more about tinkercad. The speakers made sure that all collectively perform during the webinar and all our doubts were cleared.
- The session was concluded after recording participants feedback and the session ended on a high note

Here Are Some of the snippets from our webinar of Day2 :







Data Submitted Ms, Shilpa Chaman

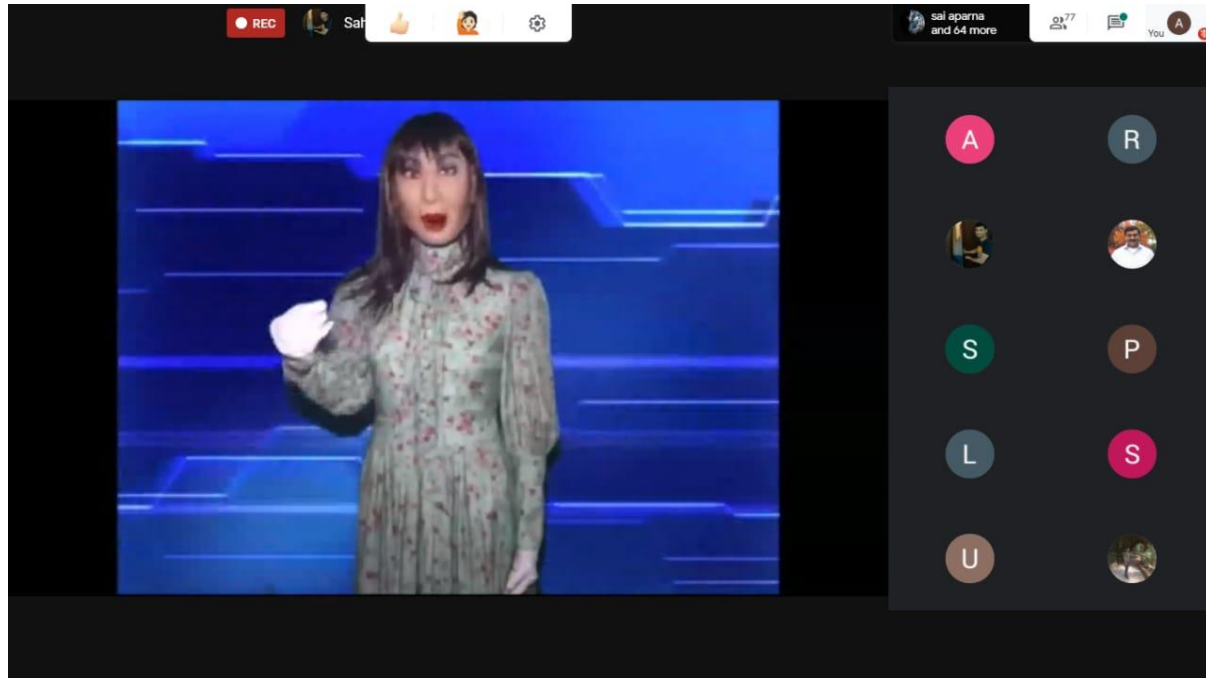
IEEE SFIT Robot Rashmi Webinar

IEEE SFIT Student Branch(ISSB) organised an online seminar on the topic of Artificial Intelligence and Humanoid Robots by the immensely talented humanoid developer, Mr. Ranjeet Srivastava, from Ranchi who is also the inventor of Robo Rashmi on 11th October 2020.

Mr. Ranjeet spoke about his struggles and his ups and downs during the development of Rashmi, the speaker explained his belief that an idea is everything irrespective of its simplicity or complexity. He went on to say, Rashmi was developed as a way to bridge the gap between fear and lack of understanding that people faced in relation to the field of AI. He wanted the world to see the positive side of humanoid robots, one that can not only relate but also express emotions. The session was successfully concluded with a question and answer session and some of Mr. Ranjeet's advice drawn from his experiences for aspiring developers.

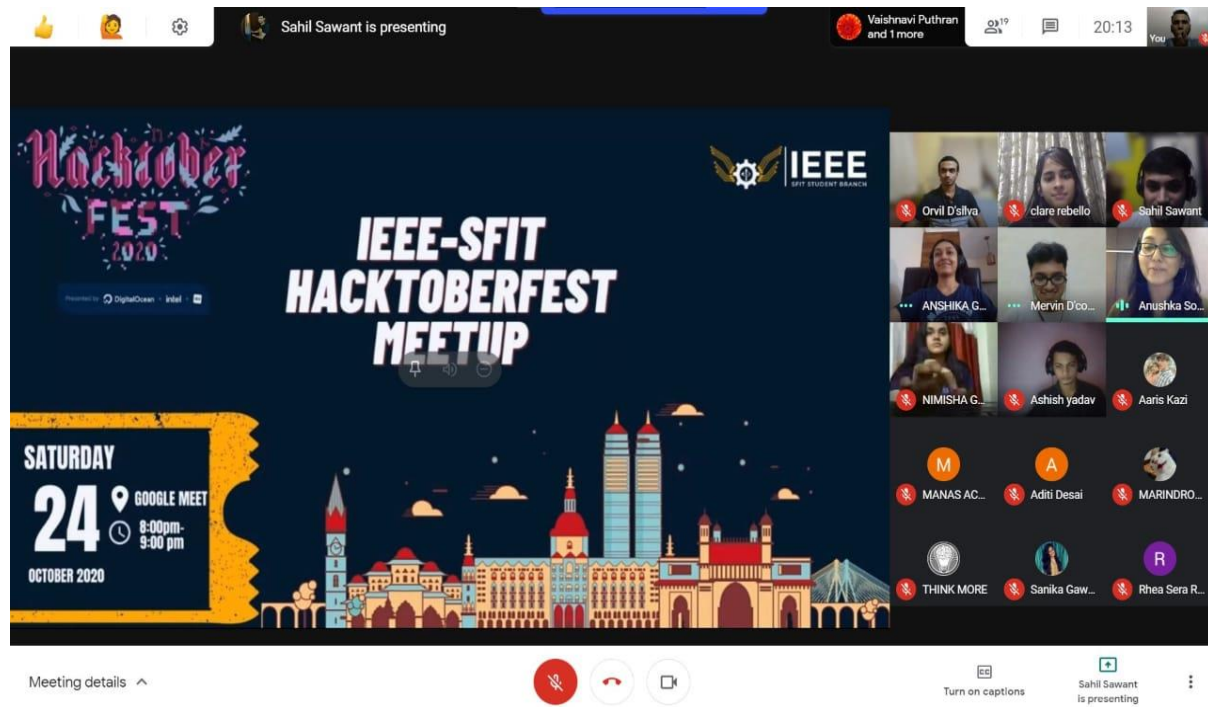
Pictures from the webinar:





Open October

IEEE SFIT Student Branch(ISSB) organised an online Open Source Contribution event on GitHub Platform. The event was held from 18th to 31st October 2020 in association with the worldwide HacktoberFest organised by Digital Ocean. The competition was handled by the Program Team members. The competition had 73 registrations from various institutes across India. During the course of the competition, the participants were asked to contribute to the designated repository on Github. The repository consisted of a wide range of Technical Concepts like Ethical Hacking, Data Science, IoT, ML/AI and Software Development. The participants could make contributions in their preferred language and technology. Another stage of judging was implemented, post which successful contributions would be merged into the repository and counted. The participant with the most number of merged requests would be the winner. The event came to an end after 2 weeks with the announcement of the winners. Prizes were soon distributed and the event saw a successful completion.



Data Submitted Mr. Santosh Chapaneri

LIRC
**(Learning Information and
Resource Centre)**

LIRC @ A GLANCE

LEARNING AND INFORMATION RESOURCE CENTRE
ST. FRANCIS INSTITUTE OF TECHNOLOGY
MT. POINSUR, SVP ROAD, BORIVALI WEST, MUMBAI 400103

Stay Connected with the LIRC....Digitally!

Difficult times akin to the ongoing COVID 19 pandemic has made all of us rethink our survival. Although man is known to be social for ages; the lockdown defeated the very basic instinct of mankind – to be connected with one another at all times. This change led to a paradigm transition in the library too. We decided to take our library one up to the next level of accessibility by creating a Google Classroom for all students. We regularly post information on e resources, NPTEL videos, lecture series, DIY projects, Company Profiles in the virtual classroom. ***If you are still not a student of our LIRC Google Classroom, please do let us know.***

Stay connected with the LIRC...Digitally!

Reading Inspiration Day – 15th October 2020

OER – An SFIT LIRC Initiative

New Normal in the LIRC

VidyaMitra – Integrated E Content Portal

Continual Improvement

New Arrivals

READING INSPIRATION DAY – 15TH OCTOBER

LIRC celebrates Reading Inspiration Day or Waachan Prerana Diwas every year on 15 October to commemorate the birth anniversary of Dr. A.P.J. Abdul Kalam – our ex-President and the Missile Man of India. Every year, we organize various activities such as Exhibition of books and Take Away of Donated books. On 15th October 2020, we conducted an Online Quiz which judged the respondent's knowledge through guessing the book by the given description. 61 responses were received. The favourite genre of books was Fiction followed by True Stories and Autobiographies. Many varied book recommendations were received which we will compile and a selected few will be soon added to the library's collection. A big thank you to Asso. Prof. Bidisha Roy (CMPN) and Asst. Prof. Jovita Serrao (ExTC) for the creative digital bookmarks.

OER - AN SFIT LIRC INITIATIVE

Many e resources are available on the Internet. Not all of them are in the public domain and copyright free. It is necessary to understand the need for avoiding the infringement of copyright rule. Hence the library has compiled a list of e resources and courses available as “Open Access” and created a Google Site so that all students and teachers may be benefitted equally.

It is available at:

<https://sites.google.com/sfit.ac.in/oersfit/home>

Do visit and give your feedback!

NEW NORMAL IN THE LIRC

Every organization in the department is preparing for a new normal. Libraries being the hub of any institute with members bustling in and around the book stacks have to be extra cautious when rendering the services. Phased re-opening has been one of the top priorities of the library.

At SFIT LIRC, we have prepared a detailed SOP and have been following it stringently to minimize the risk factor of the likely infection of COVID – 19. The SOP is displayed near the entrance to our LIRC. All the members are requested to make a note of it. It is also available on our webpage.

As per this, currently we have requested our members to mail us the list of books which they wish to borrow and they are requested to collect after 2 days. Similarly, all the returned books are quarantined for one week and then shelved on their respective racks. Sanitizer is available at the entrance of the LIRC. Only two people are allowed to enter the library at a given point of time.





<https://www.facebook.com/SFIT-Library-125052607622161>

VIDYA MITRA - INTEGRATED E CONTENT PORTAL



Vidya-Mitra is an online learning portal for all the e-content projects developed under the NME-ICT (National Mission on Education through Information and Communication Technology), MHRD. The portal provides facility to search and browse all hosted content wherein a learner can easily access the desired material including audio/video learning material, textual material, multimedia-enriched materials etc. through a single interface. Moreover, features of faceted search, usage statistics, project-wise access, My-Space are incorporated in this portal.

Following is the number of records (courses, document type) available as on 12th March, 2021:

Subject	Number of Records
Computer Science and Technology	476
Electronics and Communication Engineering	2717
Electrical and Electronics Engineering	2245

The content can be searched using title, Institute and Subject in addition to Free and Exact searches.

<https://vidyamitra.inflibnet.ac.in/>

Chinmayee Bhange, Librarian

1. Received Second Prize in the Digital Poster Making Competition on Best Library in India organized by M.D. College, Parel on 12th August, 2020.
2. Received a Consolation Prize for Pen Down: Essay or Article on 129 days of lockdown with special reference to libraries organized by Bharat Friends Association's Bharat College of Arts and Commerce, Badlapur on 12th August, 2020.
3. AICTE-ATAL Workshop on Advances in Research Support Services in Academic Libraries organized online by Thapar Institute of Engineering and Technology, Patiala from October 26 to 30, 2021.

Sucheta Prabhudesai, Asst. Librarian

1. Bridging the Scholarly Resource Gap: The Potential of Open Access Resource for Academic & Research Purpose During COVID 19 organized by Mahatma Gandhi Vidyamandir's Institute of Management and Research, Nashik on 4th September 2020.

NEW ARRIVALS

27975	BLOMEN/ LEO J.M.J./ MUGERWA/ MICHAEL N.	FUEL CELL SYSTEMS	SPRINGER
27976-78	KEYHANI/ ALI/ MARWALI/ MOHAMMAD N./ DAI/ MIN	INTEGRATION OF GREEN AND RENEWABLE ENERGY IN ELECTRIC POWER SYSTEMS	JOHN WILEY
27979-80	MANWELL/ J.F./ McGOWAN/ J.G./ ROGERS/ A.L.	WIND ENERGY EXPLAINED: THEORY, DESIGN AND APPLICATIONS	WILEY
27981	DAZZO/ JOHN J./ HOUPIS/ CONSTANTINE H./ SHELDON/ STUART N	LINEAR CONTROL SYSTEM ANALYSIS AND DESIGN WITH MATLAB	TAYLOR AND FRANCIS
27982	MASTERS/ L. ANN/ WALLACE/ HAROLD R./ HARWOOD/ LARI	PERSONAL DEVELOPMENT FOR LIFE AND WORK	CENGAGE
27983	SAVE/ YOGESH/ SHAMBHUKINGAYYA/ N.D./ ROKADE/ RUPAK M./ PEREIRA/ LAVITHA	OSCAD: AN OPEN SOURCE EDA TOOL FOR CIRCUIT DESIGN, SIMULATION, ANALYSIS AND PCB DESIGN	SHROFF
27984	VASUDEVAN/ SHRIRAM K./ NAGARAJAN/ ABHISHEK S./ SUNDARAM/ RMD	INTERNET OF THINGS	WILEY
27985	WILEY	TCS: NATIONAL QUALIFIER TEST STUDY GUIDE	WILEY

**DEPARTMENT
OF
APPLIED SCIENCES AND
HUMANITIES**

FE Faculty Achievements Details (July to December 2020)

- Ms. Deepa Panakkal published a paper on 'M-learning: Optimum usage of Technology for accessibility and effectiveness beyond Classroom' published in proceedings of CHSTE-2020, 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.
- Ms. Deepa Panakkal took an online lecture series on 'Soft Skills and Placement Training' for St. John's College Engineering and Management on 09 Nov, 11 Nov, 18 Nov, and 21 Nov 2020 with 392 participants.
- Mr. Praveen Kurien was invited for an online lecture series on 'Communication Skills' organised by ORC India via their Facebook page from 30th March 2020 to 1st May 2020.
- Ms. Neha Agnihotri completed a 120 Hour Comprehensive 'Teaching of English as Foreign Language' Program from International TEFL Accreditation Council on 17 October 2020.
- Ms. Deepa Panakkal was awarded 'The Best Teacher having Excellence in Developing a Teaching Persona' title at the International EDUx Awards 2020 on 27 December 2020.
- Ms. Deepa Panakkal, Mr. Praveen Kurien and Ms. Neha Agnihotri gave an 'Expert talk and Panel Discussion on World Mental Health Day' organised by NSS-SFIT on 10 October 2020.
- Ms. Deepa Panakkal gave a webinar on "Be Yourself, Change the Game" for 2113 participants of Parul University, Gujarat on 19 Sept. 2020.
- Ms. Deepa Panakkal gave a TEDx talk on 'Importance of asking the Question Why' at TEDxSFIT on 21 August 2020.
- Mr. Mohammad Faiz Ansari gave an online talk on "The applications of calculus" at K.C.College, under STAR College Scheme by DBT on 12th Sept 2020.
- Mr. Mohammad Faiz Ansari gave an online talk on "Applications of Mathematics in Business", at K.C.College, under STAR College Scheme by DBT on 15th Sept 2020.

Names of Faculty	Title of the Workshop/Seminar/STTP	Date	No. of days	Professional Body Associated	Venue
Ms Deepa Panakkal	UHV Refresher 1 Part 1	30 Nov. - 4 Dec. 2020	5	AICTE	Online
Ms Deepa Panakkal	Effective Communication	2 - 3 Oct.	2	Oxford University Press, under the	Online

	Skills	2020		Oxford Teach initiative	
Ms Deepa Panakkal	FDP on Universal Human Values for Deeksharambh (Student Induction Program)	21 - 25 Sept. 2020	5	AICTE (NIT, Patna)	Online
Ms Deepa Panakkal	International Faculty Development Program on the theme, "Emerging Approaches and Trends in English Language and Literature"	24 - 29 Aug. 2020	6	English Language Teachers' Association of India (Kaash Foundation)	Online
Ms Deepa Panakkal	Attentive and Focused Listening: some Strategies	28 June 2020	1	English Language Teachers' Association of India	Online
Ms Deepa Panakkal	Short Term Training Program on "Trajectories of Professional Development: Harnessing the Power of Business Communication"	15 - 17 June 2020	3	Ramrao Adik Institute of Technology, Nerul	Online
Ms Deepa Panakkal	Faculty Development Program on "Evolution from Offline to Online Teaching"	30 May - 3 June 2020	5	Department of Information Technology, University of Mumbai in collaboration with Microsoft	Online
Ms Deepa Panakkal	Online Meditation and Breath Workshop	28 - 31 May 2020	4	Art of Living	Online
Ms Deepa Panakkal	Workshop about "How to Address Emotional Difficulties of Children and	23 May 2020	1	Pearson Academy India and Centre for Teacher Accreditation	Online

	Adolescents"			(CENTA)	
Ms Deepa Panakkal	Online Teaching and Learning using Google Classroom and Google Meet	22 May 2020	1	Pillai College of Engineering	Online
Ms Deepa Panakkal	Professional Ethics in the Volatile, Uncertain, Complex and Ambiguous (VUCA) world for Millennial Engineers (ME)	22 May 2020	1	St. Francis Institute of Technology, Borivali	Online
Ms Deepa Panakkal	National webinar on Effective Communication and Presentation Skills	19 May 2020	1	Rizvi College, Mumbai	Online
Ms. Neha Agnihotri	Faculty Development Program on "Evolution from Offline to Online Teaching"	30 May - 3 June 2020	5	Department of Information Technology, University of Mumbai in collaboration with Microsoft	Online
Ms. Neha Agnihotri	Short Term Training Program on "Trajectories of Professional Development: Harnessing the Power of Business Communication"	15 - 17 June 2020	3	Ramrao Adik Institute of Technology, Nerul	Online
Ms. Neha Agnihotri	International Faculty Development Programme on "Digital Teaching and Learning Environment"	11 May 2020-13 May 2020	3	Pillai College of Arts and Commerce with MUCTA	Online
Ms. Neha Agnihotri	Workplace Ethics'	27 May 2020	1	e-DARSHAN Webinar Lecture Series-2020 in association with T. K. Madhava Memorial	Online

				College, Kerala	
Ms. Neha Agnihotri	Responsible Use of Medicine'	23 May 2020	1	St. Francis Institute of Technology, Borivali	Online
Ms. Neha Agnihotri	“Changing Paradigm of Higher Education”	18 May 2020	1	Library and Information Science Research Scholars' Forum & Mumbai University & College Teachers' Association	Online
Ms. Neha Agnihotri	Online Teaching and Learning using Google Classroom and Google Meet	22 May 2020	1	Pillai College of Engineering	Online
Ms. Neha Agnihotri	National Level Webinar on 'Utilizing Digital Resources for E-content Development and Designing'	22 May 2020	1	Smt. K. G. Mittal College of Arts and Commerce	Online
Ms. Neha Agnihotri	National webinar on Effective Communication and Presentation Skills	19 May 2020	1	Rizvi College, Mumbai	Online
Ms. Neha Agnihotri	‘Business Communication: Harnessing the Power of Language for the Gen - Z Professionals’	03 July 2020	1	KES’ Shri. Jayantilal H. Patel Law College	Online
Mr. Praveen Mathew Kurien	UHV Refresher 1 Part 1	30 Nov. - 4 Dec. 2020	5	AICTE	Online
Mr. Praveen Mathew Kurien	Faculty Development Program on “Evolution from Offline to Online Teaching”	30 May - 3 June 2020	5	Department of Information Technology, University of Mumbai	Online

				in collaboration with Microsoft	
Mr. Praveen Mathew Kurien	Online Teaching and Learning using Google Classroom and Google Meet	22 May 2020	1	Pillai College of Engineering	Online
Mr. Praveen Mathew Kurien	Professional Ethics in the Volatile, Uncertain, Complex and Ambiguous (VUCA) world for Millennial Engineers (ME)	22 May 2020	1	St. Francis Institute of Technology, Borivali	Online
Mr. Praveen Mathew Kurien	National webinar on Effective Communication and Presentation Skills	19 May 2020	1	Rizvi College, Mumbai	Online
Mr. Praveen Mathew Kurien	National webinar on Self Plagiarism - Ethical & Legal Dimensions	18 May 2020	1	N M College, Vile Parle	Online
Mr. Praveen Mathew Kurien	International Faculty Development Programme on "Digital Teaching and Learning Environment"	11 May 2020-13 May 2020	3	Pillai College of Arts and Commerce with MUCTA	Online
Mr. Praveen Mathew Kurien	National webinar on Effective Ways to Develop E- Content	9 May 2020	1	S M Devkiba Mohansinhji College	Online
Mr. Praveen Mathew Kurien	Webinar on Effective Leadership Skills Post Covid 19 Pandemic	27 April 2020 - 29 April 2020	3	Mumbai University Thane Sub- campus & Pillai College, Chembur	Online
Ms Rekha Ajikumar	Webinar on "Virtual Labs: Effective Tool for Teaching and Learning"	10 July 2020	1		

Ms Rekha Ajikumar	Online Student Induction Program eSIP sampler	7 Nov 2020 -20 Nov 2020	10	AICTE	Online
Ms Rekha Ajikumar	Chemistry in Ancient India	7 Nov 2020	1	TIFR Mumbai, IISER Kolkatta, Royal Society of Chemistry, Indian Chemical Society	Online
Ms Rekha Ajikumar	FDP on Universal Human Values for Deeksharambh (Student Induction Program)	10 Aug 2020 - 14 Aug 2020	5	NIT Patna	Online
Ms Rekha Ajikumar	FDP on Offline to Online Teaching	30 May 2020 - 03 June 2020	5	Satish Pradhan Dnyanasadhana College ,Thane	Online
Ms Rekha Ajikumar	NDLI User Awareness Webinar	29 May 2020	1	NDLI	Online
Ms Rekha Ajikumar	How to Think About Quantum Technologies	13 July 2020	1	Department of Physics, St. Xavier's College Mumbai	Online
Ms Rekha Ajikumar	Capacity Building Program for Faculties on Online Teaching-Learning Process using G Suite Essentials	29 July 2020	1	Department of Computer Engineering, Saboo Siddhik College of engineering, Mumbai	Online
Ms Rekha Ajikumar	Webinar on Online teaching and learning using Google classroom and Google meet	22 May 2020	1	Pillai College of Engineering, Panvel, Mumbai	Online
Ms Rekha	Webinar on Physics &	21 May	1	Don Institute of	Online

Ajikumar	Engineering	2020		Technology, Mumbai	
Ms Rekha Ajikumar	Webinar on Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world	22 May 2020	1	SFIT, Mumbai	Online
Ms Rekha Ajikumar	Webinar on "RESPONSIBLE USE OF MEDICINES"	23 May 2020	1	SFIT, Mumbai	Online
Ms Rekha Ajikumar	National level FDP	13 May and 14 May 2020	2	North Storm Academy	Online
Ms Rekha Ajikumar	Webinar on Women in Mathematics	12 May 2020	1	NMIMS, Mumbai	Online
Ms Rekha Ajikumar	Webinar on Comparative study of Effect of Covid 19 in different states of India	18 May 2020	1	Department of Mathematics & Statistics of Thakur College of Science and Commerce, Mumbai	Online
Ms. Belinda Misquitta	FDP on Offline to Online Teaching	30 May 2020 - 03 June 2020	5	Satish Pradhan Dnyanasadhana College ,Thane	Online
Ms. Belinda Misquitta	NDLI User Awareness Webinar	29 May 2020	1	NDLI	Online
Ms. Belinda Misquitta	Webinar on Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous)	22 May 2020	1	SFIT, Mumbai	Online

	world				
Ms. Belinda Misquitta	Webinar on "RESPONSIBLE USE OF MEDICINES"	23 May 2020	1	SFIT, Mumbai	Online
Ms. Belinda Misquitta	Orientation Program on Engineering Mathematics III and Engineering Mathematics IV for SE revised syllabus 'C' Scheme of Computer Engineering and Information Technology w.e.f. academic year 2020-21	7th August 2020	1	R.A.I.T, Nerul, Navi Mumbai	Online
Ms. Belinda Misquitta	Orientation Programme on Engineering Mathematics III (EM-III) and Engineering Mathematics IV (EM-IV) for SE revised syllabus 2019 'C' Scheme w.e.f academic year 2019-20 for the branches Mechanical Engineering, Civil engineering, Production Engineering, Automobile Engineering, Chemical Engineering, Biotechnology, Printing and Packaging Technology and Mechatronics	31st July 2020	1	FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY	Online
Ms. Belinda Misquitta	Orientation Programme on Engineering Mathematics III (EM-III) and Engineering Mathematics IV	29 th July 2020	1	Pillai College of Engineering, New Panvel	Online

	(EM-IV) for SE revised syllabus 2019 'C' Scheme w.e.f academic year 2019-20 for the branches Electronics and Telecommunication Engineering, Electronics and Electrical Engineering, Electronics and Computer Engineering, Electronics Engineering, Electrical Engineering, Biomedical Engineering, Instrumentation Engineering.				
Ms. Belinda Misquitta	Webinar on "Virtual Labs: Effective Tool for Teaching and Learning"	10 th July 2020	1	Cummins College Of Engineering For Women , Nagpur	Online
Ms. Belinda Misquitta	Webinar on "Mathematical Intuition : From Engineering to Innovation"	9th June 2020	1	Don Bosco Institute Of Technology, Mumbai	Online
Ms. Belinda Misquitta	Webinar on "Learning Mathematics : Make easy with Geo-Gebra"	28th April 2020	1	Changu Kana Thakur, Arts, Commerce and Science College, New Panvel	Online
Ms. Belinda Misquitta	Webinar on "Physical Significance of Mathematics to solve Engineering Problems"	30 th June 2020	1	Thakur College of Engineering, Kandivali East	Online
Ms. Grishalda Dsouza	FDP on Offline to On line Teaching	30 May 2020 - 03 June 2020	5	Satish Pradhan Dnyanasadhana College ,Thane	Online

Ms. Grishalda Dsouza	NDLI User Awareness Webinar	29 May 2020	1	NDLI	Online
Ms. Grishalda Dsouza	Webinar on Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world	22 May 2020	1	SFIT, Mumbai	Online
Ms. Grishalda Dsouza	Webinar on "RESPONSIBLE USE OF MEDICINES"	23 May 2020	1	SFIT, Mumbai	Online
Ms. Grishalda Dsouza	Orientation Program on Engineering Mathematics III and Engineering Mathematics IV for SE revised syllabus 'C' Scheme of Computer Engineering and Information Technology w.e.f. academic year 2020-21	7 August 2020	1	R.A.I.T, Nerul, Navi Mumbai	Online
Ms. Grishalda Dsouza	Orientation Programme on Engineering Mathematics III (EM-III) and Engineering Mathematics IV (EM-IV) for SE revised syllabus 2019 'C' Scheme w.e.f academic year 2019-20 for the branches Electronics and Telecommunication Engineering, Electronics and Electrical Engineering, Electronics and Computer Engineering, Electronics Engineering, Electrical Engineering, Biomedical Engineering, Instrumentation Engineering.	29 July 2020	1	Pillai College of Engineering, New Panvel	Online

Ms. Grishalda Dsouza	Webinar on "Virtual Labs: Effective Tool for Teaching and Learning"	10 th July 2020	1	Cummins College Of Engineering For Women , Nagpur	Online
Ms. Grishalda Dsouza	Webinar on "Mathematical Intuition : From Engineering to Innovation"	9th June 2020	1	Don Bosco Institute Of Technology, Mumbai	Online
Ms. Grishalda Dsouza	Webinar on "Learning Mathematics : Make easy with Geo-Gebra"	28th April 2020	1	Changu Kana Thakur, Arts, Commerce and Science College, New Panvel	Online
Ms. Grishalda Dsouza	Webinar on Comparative study of Effect of Covid 19 in different states of India	18 May 2020	1	Department of Mathematics & Statistics of Thakur College of Science and Commerce, Mumbai	Online
Ms. Grishalda Dsouza	"How to write a Research Paper"	14 May 2020	1	Department of Mathematics & Statistics of Thakur College of Science and Commerce, Mumbai	Online
Ms. Grishalda Dsouza	Webinar on Online teaching and learning using Google classroom and Google meet	22 May 2020	1	Pillai College of Engineering ,Panvel ,Mumbai	Online
Ms. Grishalda Dsouza	"YOGA KARONA"	21 June 2020	1	SFIT, Mumbai	Online
Ms. Grishalda Dsouza	Webinar on "Physical Significance of Mathematics to solve Engineering Problems"	30 th June 2020	1	Thakur College of Engineering, Kandivali East	Online

Ms. Grishalda Dsouza	" Qualitative Theory of Non Linear Fractional Differential Equations"	5th July 2020	1	Milind College of Science, Aurangabad	Online
Ms. Grishalda Dsouza	Orientation Programme on Engineering Mathematics III (EM-III) and Engineering Mathematics IV (EM-IV) for SE revised syllabus 2019 'C' Scheme w.e.f academic year 2019-20 for the branches Mechanical Engineering, Civil engineering, Production Engineering, Automobile Engineering, Chemical Engineering, Biotechnology, Printing and Packaging Technology and Mechatronics	31st July 2020	1	FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY	Online
Ms. Astrid Dsouza	FDP on Offline to Online Teaching	30 May 2020 - 03 June 2020	5	Satish Pradhan Dnyanasadhana College ,Thane	Online
Ms. Astrid Dsouza	NDLI User Awareness Webinar	29 May 2020	1	NDLI	Online
Ms. Astrid Dsouza	Webinar on Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world	22 May 2020	1	SFIT, Mumbai	Online
Ms. Astrid Dsouza	Webinar on "RESPONSIBLE USE OF MEDICINES"	23 May 2020	1	SFIT, Mumbai	Online
Ms. Astrid	Orientation Program on	7th	1	R.A.I.T, Nerul, Navi	Online

Dsouza	Engineering Mathematics III and Engineering Mathematics IV for SE revised syllabus 'C' Scheme of Computer Engineering and Information Technology w.e.f. academic year 2020-21	August 2020		Mumbai	
Ms. Astrid Dsouza	Orientation Programme on Engineering Mathematics III (EM-III) and Engineering Mathematics IV (EM-IV) for SE revised syllabus 2019 'C' Scheme w.e.f academic year 2019-20 for the branches Electronics and Telecommunication Engineering, Electronics and Electrical Engineering, Electronics and Computer Engineering, Electronics Engineering, Electrical Engineering, Biomedical Engineering, Instrumentation Engineering.	29 July 2020	1	Pillai College of Engineering, New Panvel	Online
Ms. Astrid Dsouza	Webinar on "Virtual Labs: Effective Tool for Teaching and Learning"	10 July 2020	1	Cummins College Of Engineering For Women, Nagpur	Online
Ms. Astrid Dsouza	Webinar on "Mathematical Intuition: From Engineering to Innovation"	9th June 2020	1	Don Bosco Institute Of Technology, Mumbai	Online
Ms. Astrid Dsouza	Webinar on "Learning Mathematics: Make easy with	28th April	1	Changu Kana Thakur, Arts, Commerce and Science College, New	Online

	Geo-Gebra"	2020		Panvel	
Ms. Astrid Dsouza	Webinar on Comparative study of Effect of Covid 19 in different states of India	18 May 2020	1	Department of Mathematics & Statistics of Thakur College of Science and Commerce, Mumbai	Online
Ms. Astrid Dsouza	"How to write a Research Paper"	14 May 2020	1	Department of Mathematics & Statistics of Thakur College of Science and Commerce, Mumbai	Online
Ms. Astrid Dsouza	Webinar on Online teaching and learning using Google classroom and Google meet	22 May 2020	1	Pillai College of Engineering ,Panvel ,Mumbai	Online
Ms. Astrid Dsouza	"YOGA KARONA"	21 June 2020	1	SFIT, Mumbai	Online
Ms. Astrid Dsouza	Webinar on "Physical Significance of Mathematics to solve Engineering Problems"	30 th June 2020	1	Thakur College of Engineering, Kandivali East	Online
Ms. Astrid Dsouza	" Qualitative Theory of Non Linear Fractional Differential Equations"	5th July 2020	1	Milind College of Science, Aurangabad	Online
Ms. Astrid Dsouza	Orientation Programme on Engineering Mathematics III (EM-III) and Engineering Mathematics IV (EM-IV) for SE revised syllabus 2019 'C' Scheme w.e.f academic year	31st July 2020	1	FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY	Online

	2019-20 for the branches Mechanical Engineering, Civil engineering, Production Engineering, Automobile Engineering, Chemical Engineering, Biotechnology, Printing and Packaging Technology and Mechatronics				
Ms. Preethi Colaco	Webinar on Online teaching and learning using Google classroom and Google meet	22 May 2020	1	Pillai College of Engineering, Panvel, Mumbai	Online
	"YOGA KARONA"	21 June 2020	1	SFIT, Mumbai	Online
Ms. Arti Bhatnagar	Attended webinar on "Responsible use of Medicine"	23rd May 2020	1	SFIT, Mumbai	Online
	Webinar on "Professional Ethics in the VUCA May, 2020"	22nd May 2020	1	SFIT, Mumbai	Online
	Webinar on "YOGA KARONA"	21 June 2020	1	SFIT, Mumbai	Online
Dr. Harshada Jadhav	Chemistry in Ancient India	7 Nov 2020	1	TIFR Mumbai, IISER Kolkatta, Royal Society of Chemistry, Indian Chemical Society	Online
Dr. Harshada Jadhav	Webinar on Online teaching and learning using Google classroom and Google meet	22 May 2020	1	Pillai College of Engineering, Panvel, Mumbai	Online
Dr. Harshada Jadhav	Webinar on Physics &	21 May	1	Don Institute of	Online

	Engineering	2020		Technology ,Mumbai	
Dr. Harshada Jadhav	Webinar on Professional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world	22 May 2020	1	SFIT, Mumbai	Online
Dr. Harshada Jadhav	Webinar on "RESPONSIBLE USE OF MEDICINES"	23 May 2020	1	SFIT, Mumbai	Online
Mr. Sainath Ghosalkar	Webinar on " Learning Mathematics : make easy with Geo-Gebra"	28 April 2020	1	Changu naka Thakur clg, New panvel	Online
Mr. Sainath Ghosalkar	Webinar on " Corona Awareness Program"	26 April 2020	1	NSS Unit, SRBS , Mumbai	Online
Mr. Sainath Ghosalkar	Webinar on " Cyber security Awareness"	30 April 2020	1	Rizvi college of Art, comm. & Science	Online
Mr. Sainath Ghosalkar	Webinar on " Faculty awareness program on NBA and outcome based education"	4 May 2020	1	Rajashri Shahu college of Engineering, Tathawade, Pune	Online
Mr. Sainath Ghosalkar	Webinar on " Emotional Well Being at Work"	5 May 2020	1	ABEL, ITHIEL	Online
Mr. Sainath Ghosalkar	Webinar on " Comparative study on Effect of Covid-19 in different state of india"	18 May 2020	1	Thakur College of Science and Commerce, Mumbai	Online
Mr. Sainath Ghosalkar	Webinar on " How to write a Research paper"	14 May 2020	1	Department of Mathematics and Physics, KLE college , Navi Mumbai	Online

Mr. Sainath Ghosalkar	Webinar On " Faculty development program on Fuzzy sets and System"	16 May 2020	1	Department of Mathematics, Patrician college , Chennai	Online
Mr. Sainath Ghosalkar	Webinar on Online teaching and learning using Google classroom and Google meet	22 May 2020	1	Pillai College of Engineering ,Panvel , Navi Mumbai	Online
Mr. Sainath Ghosalkar	Webinar on" Utilising Digital Resources for E-content development and Designing"	22 May 2020	1	KG Mittal College of Arts and commerce , Malad ,Mumbai	Online
Mr. Sainath Ghosalkar	Webinar onProfessional Ethics in the VUCA (Volatile, Uncertain, Complex and Ambiguous) world	22 May 2020	1	SFIT, Mumbai	Online
Mr. Sainath Ghosalkar	Webinar on " Can you Be Hacked	20 May 2020	1	I.Q.A.C. Bhavan's college, Mumbai	Online
Mr. Sainath Ghosalkar	Webinar on " Domination in Graph theory and Application"	23 May 2020	1	PG department of mathematics, Devaswombord college, Medha	Online
Mr. Sainath Ghosalkar	Webinar on " Memories and lecture tribute to Professor S.S. Shrikhande"	29 May 2020	1	Department of Mathematics, University of Mumbai	Online
Mr. Sainath Ghosalkar	"YOGA KARONA"	21 June 2020	1	SFIT, Mumbai	Online
Mr. Sainath Ghosalkar	Orientation Programme on Engineering Mathematics III (EM-III) and Engineering Mathematics IV (EM-IV) for	31st July 2020	1	FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY	Online

	SE revised syllabus 2019 'C' Scheme w.e.f academic year 2019-20 for the branches Mechanical Engineering, Civil engineering, Production Engineering, Automobile Engineering, Chemical Engineering, Biotechnology, Printing and Packaging Technology and Mechatronics				
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**DEPARTMENT
OF
COMPUTER
ENGINEERING**

RESEARCH AND DEVELOPMENT ACTIVITIES

Seminar Report on “Big Data PySpark”

1. Date of the Seminar/Workshop: 19-11-2020

2. Title of the Seminar/Workshop: “Big Data PySpark”

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

Mr. Aaron Rebello

Industry: - Capgemini Technology Services India Limited

Designation: -Associate Consultant

Role: -Big Data Engineer

4. Venue of the Seminar/Workshop: Platform used-Google meet

5. Duration of the Seminar: 3 hrs

6. Conducted For: Students of final year computer Engineering

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

The objective of the Seminar was basically to ensure that the students should have a clear understanding of big data and how to start projects in this domain as students have to implement mini project based on this subject. And as a speaker is working in industry as a Big Data Engineer so the students should take benefit and a lot of insights could be inferred from his experience in this industry

8. Contents of the Seminar/Workshop:

The 3 hours period was very interactive and aroused key enthusiasm among students. The speaker started with

- Data timeline starting from the 1960s to the present time.
- OLTP vs. OLAP
- OLAP architecture
- ETL tools such as Xplenty, Stitch, Informatica, AWS and Oracle
- Different tools of Big Data like Haoop, Kafka, Spark, Storm

- The working of MapReduce
- The spark ecosystem
- RDD- the resilient distributed dataset

and finally, hands-on/demonstration of basic query structures using cloudera and pyspark

9. Description of the Entire Event

The Computer Department of St. Francis Institute of Technology organized a seminar on “Big Data PySpark” on Thursday 19th November-2020 between 9.30 am to 12 noon , online on Google meet.

There were approximately 80 student participants and 4 faculty participants who attended the seminar. The program was started with welcome speech by Ms. Anuradha Srinivasaraghavan where she introduced the Speaker. Later, Mr Aaron Rebello took over the session.

The speaker started off by introducing himself and his experience in the domain followed by the projects taken up in the organization he works in.

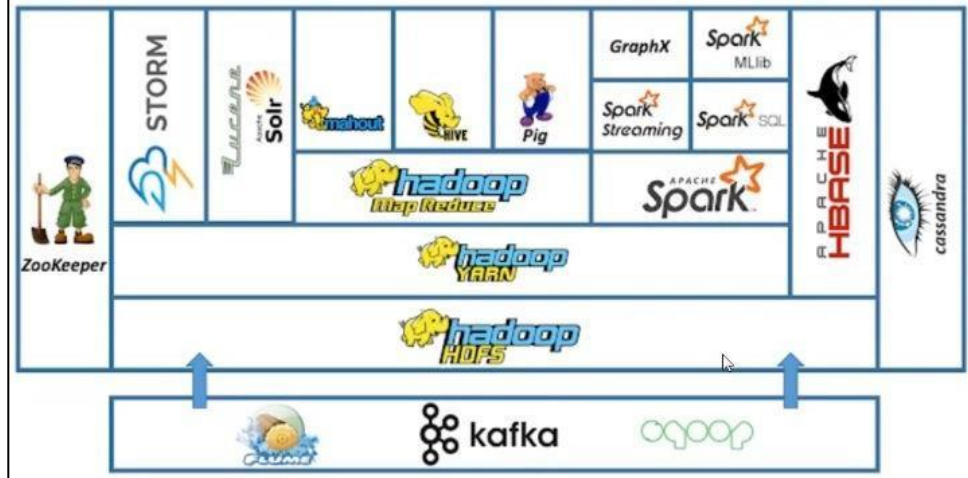
Then he started off with the main topic of the seminar by first talking about the data timeline starting from the 1960s to the present time. He spoke about how in 1960 database was introduced and then in 1970 OLTP came into the picture, followed by OLAP in 1975 and big data in 2005. Then a brief introduction was given about the OLAP architecture and juxtaposed OLAP with OLTP so as to understand the importance of OLAP. Then ETL tools were introduced to us like Xplenty, Stitch, Informatica, AWS and Oracle. He talked about the data distribution pyramid and how there is a very less amount of structured data and a large amount of unstructured data.

Furthermore, he told us about the emerging of big data due to the three papers from Google:

- 1) Google file system (2003)
- 2) MapReduce (2004)
- 3) BigTable (2006)

Then the definition of big data was introduced to us along with its different tools as shown below:

What is Big Data Today



Moving further, he explained the working of MapReduce in detail. MapReduce works in 2 phases. In the first phase, mapping is done where the jobs are split and data is mapped. In the second phase, the reduce task shuffles and consolidates the data. But this process is really slow because data replication takes place. Therefore, Spark came into the picture since it is 10-100 times faster. The spark ecosystem was explained further. It has service APIs like Spark Streaming, Spark SQL and GraphX, computing engine - Spark core, resource manager - yarn and Mesos and distributed file system = HDFS and HBase. Then he told us about RDD which is the resilient distributed dataset and how spark relies on this as it can be stored in memory and also perform various operations. Then he went on to show the code and work in the Java and Python languages.

At the end of the session, the forum was open for doubts where he solved the queries posed by the students. He got us acquainted with the set up of the system so as to be able to work on big data projects. He also told us about the resources available on the internet like the official documentation which can be referred for practical implementation. Due to the session, the students had a clearer understanding of big data and how to start projects in this domain. It was very beneficial and a lot of insights could be inferred from his experience in this industry.

Session Photographs

The screenshot shows a Google Meet window with the title 'Meet - vmf-kjic-voi'. The presenter is Aaron Rebello. The main content is a slide titled 'Architecture' illustrating the flow of data between an Operational Environment and an Informational Environment.

Operational Environment: Includes Customer, Products, Orders, Business Process, and Business / Enterprise Strategy. It is supported by OLTP (On-Line Transaction Processing).

Informational Environment: Includes Data Mart and Data Warehouse. It is supported by OLAP (On-Line Analytical Processing).

Data Flow:

- 1: Business / Enterprise Strategy feeds into Business Process.
- 2: Business Process feeds into Orders.
- 3: Orders feeds into Customer and Products.
- 4: ETL Processes connect the Operational Environment to the Informational Environment.
- 5: Data Mart and Data Warehouse are part of the Informational Environment.
- 6: Data Mining, Analytics, and Decision Making feeds back into Business / Enterprise Strategy.

Participants visible on the right: You, Aaron Rebello, SHELTON JADE PINTO_172108, and G. ANURADHA.

The screenshot shows a Google Meet window with the title 'Meet - vmf-kjic-voi'. The presenter is Aaron Rebello. The main content is a slide titled 'OLTP vs. OLAP' comparing Online Transaction Processing and Online Analytical Processing.

OLTP vs. OLAP	OLTP vs. OLAP
ONLINE TRANSACTION PROCESSING	ONLINE ANALYTICAL PROCESSING
Handles recent operational data	Handles all historical data
Size is smaller, typically ranging from 100 MB to 10 GB	Size is larger, typically ranging from 1 TB to 100 Pb
Goal is to perform day-to-day operations	Goal is to make decisions from large data sources
Uses simple queries	Uses complex queries
Faster processing speeds	Slower processing speeds
Requires read/write operations	Requires only read operations

Participants visible on the right: You, Aaron Rebello, KEVIN DSOUZA_172059, and G. ANURADHA.

REC Aaron Rebello is presenting JENNY D'CRUZ_17... and 66 more

Cluster Computing

10/100 Mbps Ethernet Switch

Server

Internet

Networked Disk Storage

Computer Nodes

becmpna

Raise hand Turn on captions Aaron Rebello is presenting

Meet - vmf-kjic-voi meet.google.com/vmf-kjic-voi

REC Aaron Rebello is presenting JESDIN RAPHAEL_17... and 70 more

Spark

What We'd Like

Input

Iter 1

Iter 2

one-time processing

Distributed memory

query 1

query 2

query 3

10-100x faster than network and disk

Meet - vmf-kjic-voi

meet.google.com/vmf-kjic-voi

REC Aaron Rebello is presenting

SPARK ARCHITECTURE

The diagram illustrates the Spark architecture. On the left, a 'Driver program' contains a 'SparkContext'. This connects to a central 'Cluster Manager'. The Cluster Manager manages two 'Worker Node's. Each Worker Node contains an 'Executor' (with a 'Cache'), and two 'Task's. Arrows indicate the flow of data and control between these components.

Participants: You, Aaron Rebello, G. ANURADHA, JAYASHREE DOMALA_172.

REC Aaron Rebello is presenting

SURAJ MAURYA_18... and 65 more

SPARK ECOSYSTEM

The diagram shows the Spark ecosystem layers. On the left, four categories are listed: 'Service APIs', 'Computing Engine', 'Resource Manager', and 'Distribute File system'. The corresponding components are shown in colored boxes:

- Service APIs:** Spark Streaming, GraphX, MLLib, Spark SQL, Pig, Hive, Search.
- Computing Engine:** Spark Core, Spark Core Or Hadoop MapReduce.
- Resource Manager:** Yarn, Mesos.
- Distribute File system:** HDFS, HBase.

Participants: You, Aaron Rebello, G. ANURADHA, KEVIN DSOUZA_172059.

Seminar Incharge: Ms. Varsha N and Ms. Snehal K.

TEACHING FACULTY ACHIEVEMENTS

Workshop/Seminar/STTP/TEQIP Attended by faculty

Sr.No	Name of the Person	Name of the Workshop/Seminar/STTP	Date	No. of days	Professional Body associated (if any)	Venue Details
1	Mr. Rupesh Mishra	Virtual lab webinar	10th July 2020	1	AICTE	
2	Mr. Rupesh Mishra	Virtual labs: Effective tools for teaching and learning	10th July 2020	1 day webinar	AICTE, Virtual Lab, Centre for System Design, NITK Suratkal	Cummins College of Engineering for Women, Nagpur
3	Ms. Ankita Karia	MOODLE: ONLINE TEACHING MANAGEMENT TOOL	6th July 2020	1 day	Dr. Babasaheb Ambedkar Marathwada	
4	Ms. Jayashri Mittal	Recent trends in Deep Learning	4th Sept 2020 - 8th Sept 2020	One week Online FDP	TEQIP	Government college of Engineering, Aurangabad
5	Ms. Jayashri Mittal	Artificial Intelligence	14th Sept 2020 - 18th Sept 2020	One week Online FDP	AICTE Training And Learning (ATAL) Academy	North Eastern Regional Institute of Science & Technology
6	Ms. Jayashri Mittal	Data Sciences	7th Dec- 11th Dec 2020	One week Online FDP	AICTE Training And Learning (ATAL) Academy	Shri Krishna College of Engineering and Technology
7	Ms. Jayashri Mittal	Data Sciences	14th Dec- 18th Dec 2020	One week Online FDP	AICTE Training And Learning (ATAL) Academy	Indian Institute of Information Technology, Tiruchirapalli
8	Ms. Snehal Kulkarni	Orientation program on mini project	17th July 2020	1 day		
9	Ms. Snehal Kulkarni	Outcome based education: a step towards excellence	One week FD			

10	Ms. Snehal Kulkarni	Digital library	29th May 2020	Webinar on NDLI		
11	Ms. Snehal kulkarni	Recent trends in deep learning	4-8 Sept 2020	TEQIP-III STTP, Govt college of engineering, Aurangabaa D		
12	Ms. Snehal kulkarni	Artificial Intelligence and Machine Learning Applications in Biomedical Engineering	21-25 September 2020	ATAL workshop		
13	Ms. Snehal kulkarni	Data Sciences	5-9 October 2020	ATAL workshop		
14	Ms. Snehal kulkarni	Project Management	8-13 March 2021	IIT Kanpur	Joint Initiative Of IIT Kanpur And Meity	
15	Ms. Varsha Nagpurkar	Orientation program on mini project	17th July 2020	1 day		
16	Ms. Nidhi Gaur	A webinar on, "MOODLE: Online Teaching Management Tool"	6th July 2020	1 day		
17	Ms. Nidhi Gaur	Virtual lab webinar	10th July 2020	1 day		
18	Ms. Nidhi Gaur	Orientation of DLCOA	15th July 2020	1 day		
19	Ms. Safa Hamdare	Recent trends in Deep Learning	4th September to 8th September 2020	One week Online FDP	TEQIP-III	Government college of Engineering Aurangabad
20	Ms. Safa Hamdare	Recent Trends and Future Opportunities on Deep Learning	2020-9-21 to 2020-9-25	One week Online FDP	AICTE Training And Learning (ATAL) Academy	Central University of Rajasthan
21	Ms. Safa Hamdare	Artificial Intelligence	2020-10-1 to 2020-10-5	One week Online FDP	AICTE Training And Learning (ATAL) Academy	1. Jaypee Institute of Information Technology.

22	Mr. Shamsuddin Khan	Virtual lab	10th July 2020	1 day	AICTE, Virtual Lab, Centre for System Design, NITK Suratkal	Cummins College of Engineering for Women, Nagpur
23	Ms. K. Priya Karunakaran	Pedagogy Workshop on How to teach Programming Basics	16 December 2020 to 06 January 2021.	3 weeks (online)	TEQIP-III KITE, PPCCLT	IIT BombayX
24	Ms. K. Priya Karunakaran	Faculty orientation program on Data Structures and Data Structures Lab	14th July 2020	1 day	AICTE	Pillai College of Engineering
25	Ms. K. Priya Karunakaran	Virtual labs: Effective tools for teaching and learning	10th July 2020	1 day webinar	AICTE, Virtual Lab, Centre for System Design, NITK Suratkal	Cummins College of Engineering for Women, Nagpur
26	Ms. Varsha Shrivastava	E-Laboratory & Virtual Lab for Online execution of Programming based Practical's	2nd August 2020	1 day		Nagpur Institute of Technology, Nagpur, Maharashtra.
27	Ms. Pradnya Rane	Internet of things	21-9-20 to 25-9-20	One week Online FDP	AICTE Training And Learning (ATAL) Academy	Anna University
28	Ms. Pradnya Rane	Enhancing Research Visibility through Academic Social Networks		1 day		SFIT
29	Ms. Dakshata Panchal	Enhancing Research Visibility through Academic Social Networks		1 day		SFIT
30	Dr. Kavita Sonawane	Data Sciences	26 to 30 Oct 2020-	5 days	AICTE ATAL FDP	Aligarh Muslim University
31	Dr. Kavita Sonawane	Recent Trends and Applications in Biomedical Signal and Image Processing	21 -25 Sept 2020	5 days	AICTE ATAL FDP	G. H. Rasoni College of Engineering, Nagpur.

32	Ms. Varsha Nagpurkar	Orientation program on mini project	17th July 2020	1		Lokmanya Tilak College of Engineering, Mumbai
33	Ms. Varsha Nagpurkar	Block Chain	20th Dec to 24th Dec 2020	One week Online FDP	AICTE ATAL FDP	Indian Institute of Technology, Patna

Workshop/Seminar/STTP/TEQIP Conducted by faculty

Sr. No.	Name of the faculty	STTP/ Workshop/ Seminar Conducted	Topic	Conducted for	Date
1	Ms. Safa Hamdare	Resource person for Hands on workshop on MongoDB	MongoDb	Students of TE, BE (CMPN, IT Department)	26th July 2020
2	Mr. Rupesh Mishra	Resource person for Handon session on Git and Github	Git and GitHub	Students of TE (COMP)	8th July 2020
3	Dr. Kavita Sonawane, Mis. Bidisha Roy, Mis. Jayashri Mittal, Ms. Varsha Nagpurkar, Mr. Rupesh Mishra	Certification Course	Certification course on Web developmen	Students	8-07-2020 to 14-07-2020
4	Ms. Safa Hamdare	Workshop	Programming skill Internship program	82 students from CMPN	Batch 1: June 20 th to July 04th , 2020. Batch 2: June 27 th to July 11 th , 2020.
5	Ms. Varsha N and Ms. Snehal K	Seminar	Big Data Analytics using pyspark	BE Students	19/11/2020

Certified Online Courses Completed

Sr. No.	Name of Faculty	Course title	Organizing Body (NPTEL/Coursera etc)	Duration	From Date	To Date	Remarks
1	Anuradha Srinivasaraghavan	Foundations for Big Data Analysis with SQL	Coursera	8 week	June	August	Distinction
2	Anuradha Srinivasaraghavan	Neural Networks and Deep Learning	Coursera	8 week	June	August	Distinction

3	Anuradha Srinivasaraghavan	Google Certified educator - Level 1	Google Certification	1 month			Certificate valid till 15 oct 2023
4	Dakshata Panchal	Introduction to Python	Coursera	8 week	June	August	Distinction
5	Rupesh Mishra	Object-Oriented Programming with Java	Coursera	1 WEEK	July	August	Grade Achieved: 100%
6	Shamsuddin Khan	Fundamentals of Network Communication	Coursera	5 week	July	August	grade achieved 94.5%

DEPARTMENTAL RESEARCH ACTIVITES

Name of Faculty	Project Name	Status of Completion in %
Safa Hamadare Rupesh Mishra	CO Based Evaluation System	100

MINOR RESEARCH GRANTS ACHIEVED

Sr. No.	Name of faculty	Project Name	Sanctioned amount
1	Pradnya Rane & Dakshata Panchal	Enhancing security in AADHAAR authentication and preventing unlawful access of CIDR data	30000/-
2	Dakshata Panchal	Suspect face generation	15000/-

PRODUCT DEVELOPMENT/ OUTHOUSE PROJECTS

Sr. No.	Product / Project Title	Name of Faculty	Name of Students
1	Android/IOS Mobile Application with KanzIT	Ms. Safa Hamdare	Sahil Nirkhe (BECMPNA), Daniel Lobo (BECMPNA)
2	Website development Application with KanzIT	Ms. Safa Hamdare	Shantanu Phadke (BECMPNB)
3	CloudCrate - A Cross Cloud Document Sharing Platform	Ms. Pradnya Rane	RITIKA BHOLE, SANKET DALVI, MANAS ACHARYA, Sahil Nirkhe
4	ERP System for Patuck Technical High School & Jr. College	Ms. Varsha Nagpurkar	Ben Thomas, Rexson Thatu, Emmanuel Thomas, Abhyuday Suresh
5	Company to candidate mapper	Ms. Dakshata Panchal	Harh Oza, Darrel, Janhavi Parab,

6	Welfare System and Dispensary Management using ERP	Ms. Bidisha Roy/Ms. Priya C.	Swapnil Chaware, Savio Vagnesa, Ashir Nadar, Stavan Nemade
7	Recommendations for yield enhancements in semi hydroponic operations	Ms. Anuradha Srinivasaraghavan	Ms. Jayashree Domale, Mr. Dwayne Fernandez, Mr. ManMohan Dogra, Mr. Kevin D'souza

FACULTY PUBLICATIONS

Sr. No	Name of Faculty	Title of publication	Publication details	Date of publication
1	Jayashri Mittal	Route and Cost Optimization for Warehouses	International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 7, July 2020, S.No: 583	July 2020
2	Ms. Safa Hamdare	Automated SQL Grading System	8th International Conference on Innovations in Computer Science and Engineering with springer	28-29th August 2020
3	Ms. Safa Hamdare	Personal Assistant for Career Coaching	Congress on Intelligent Systems 2020 with springer	05-06th September 2020
4	Ms. Dakshata Panchal	Computational paradigms for direct triangular surface remeshing	Elsevier, Computers & Graphics, Vol. 94 (Feb 2021), Pg. 87-110	November 2020
5	Ms. Bidisha Roy	detection of Sybil Attacks in Social Networks	9th International Conference on Computational Data and Social Networks Dec 11-13, (CSONet'20	Dec 2020
6	Ms. SafaHamdare	Story-plot recommender using bidirectional LSTM network	Conference - ICCI 2020 (International conference of computational intelligence)	12- 13 December 2020
7	Dr. Kavita Sonawane	Effective Performance of Bins Approach for Classification of Malaria Parasite using Machine Learning	IEEE 5th International Conference on Computing Communication and Automation (ICCCA), 30-31 Oct. 2020, Added on IEEE Xplore, 10 November 2020	Oct-Nov 2020

NON- TEACHING FACULTY ACHIEVEMENTS

Short term training programs / Workshop / Seminar attended

Sr.No.	Name of the Person	Name of the Workshop/Seminar/STTP	Date
1	Mrs. Vaishali Rahate	Virtual Labs: Effective Tool for Teaching and Learning	10th July 2020

2	Ms. Nivedita Chavan		
3	Mr. Mandar Rane		
4	Ms Kirti Naik		

STUDENT ACHIEVEMENTS

“CONGRATULATIONS TO ALL THE TOPPERS!!”

(Result of Dec 2020)

Toppers of SE CMPN



Sr. No	Students Name
1	CHATTERJEE REUBEN ANINDA ROCHELLE
2	DSOUZA REBECCA AURELIA GILBERT VEENA
3	KHAIR YUGANDHAR ADHIK GAYATRI
4	MONTEIRO JANICE JEROME VEENA

Toppers of TE CMPN



Sr. No	Students Name
1	AHUJA RISHIKA SANDEEP DIPALI
2	ALAM ALMASH MOHD. MAZAHIR RUHINAZ
3	ANGCHEKAR MADHURA GAJANAN POOJA
4	ANN ELIZABETH ZACHARIAH AIVE
5	DHURI SHRAVANI PRALHAD VEENA
6	DIAS REBECCA HILARY SANDRA
7	D'SILVA AARON ARNOLD JOSEPH SOPHIA
8	DSOUZA ANSEL FRANCIS ABRAHAM SYLVIN
9	DSOUZA CHELSEA GEORGE EUGINE
10	D'SOUZA MISAAL MOHAN NANCY
11	FERNANDES DELICIA DOMNIC JENNIFER
12	GEORGE NIMISHA VARGHESE BETTYMOL
13	GOMES CALISTO ANTHONY CHRISTY
14	/JOHN AISHWARYA JOHN MATHAI SAJU JOHN
15	MEWADA BHOOMIKA SHIVLAL BHAVANA
16	MISTRY VISHAKHA NITIN MEDHA
17	REBELLO KATE ROBIN UJWALA
18	SHAIKH FARHAN ELIYAS ISHRAT
19	TOKEKAR SAKSHI AJIT KAVITA

Toppers of BE CMPN



Sr. No	Students Name
1	MANAS MANOJ ACHARYA
2	DANIEL IVAN LOBO
3	SHIVANI MEHARBAN SINGH BISHT BISHT
4	DWAYNE RONNEY FERNANDES
5	SOUGAT SANDIP GANGULY
6	FLAVITA MELVISHA FREDRICK MASCARENHAS
7	JANHAVI DADAJI PARAB
8	AYUSH AJAY NAVGIRI
9	DARREL HENRY NORONHA
10	HARSH RAJA OZA
11	ASHLEY AGNELO DSOUZA

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	1-30 OCT 2020	Open-October in association with Hactoberfest	Orvil Ranjan D'silva	SE CMPN A	SFIT	50+	30	IEEE-SFIT
2	20th-22ndNOV 2020	Learning Sprint - Codechef	Ansel Francis Dsouza	TE CMPN A	SFIT	54		CodeChef
3	20th-22ndNOV 2020	Learning Sprint - Codechef	Prasad Kamath	TE CMPN A	SFIT	54		CodeChef
4	5/10/2020	Getting started with Competitive Programming	Chelsea Dsouza	TE CMPN A	Online	51		CodexSFIT
5	9th October, 2020	Git & Github Workshop	Siddhant Mishra	TE CMPN B	SFIT	70	2	Static.int Educare
6	10th October, 2020	Django	Semil shah	TECMPN B	LR tiwari	100	2	Static.int Educare
7	17th september	Technical knowledge	Semil Shah	TECMPN B	LR tiwari	75	solo	Static.int Educare

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	Participated / Achievement	Professional Body associated
1	20-6-20 to 4-7-20	Spring boot framework in Java	Basil Zujya Koli	SE CMPN A	SFIT	Achieved Certificate of Completion	SFIT
2	20-6-20 to 4-7-20	Spring boot framework in Java	Orvil Ranjan D'silva	SE CMPN A	SFIT	Achieved Certificate of Completion	SFIT
3	20-6-20 to 4-7-20	Spring boot framework in Java	Medhashakti Khatri	SE CMPN A	SFIT	Achieved Certificate of Completion	SFIT
4	20-6-20 to 4-7-20	Spring boot framework in Java	Leah Neville Dsouza	SE CMPN A	SFIT	Achieved certificate of completion	SFIT
5	20-6-20 to 4-7-20	Spring boot framework in Java	Justin Dsouza	SE CMPN A	SFIT	Achieved certificate of completion	SFIT
6	10th October 2020	Webinar on GIT and Github	Justin Dsouza	SE CMPN A	SFIT	Achieved certificate of completion	SFIT - CODEX
7	20-6-20 to 4-7-20	Spring boot framework in Java	Rebecca Aurelia Dsouza	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT
8	20-6-20 to 4-7-20	Spring boot framework in Java	Vishwa Mhatre	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT
9	10th October 2020	Webinar on GIT and Github	Rebecca Aurelia Dsouza	SE CMPN A	SFIT	Achieved Certificate of Participation	CODEX - SFIT in assn with Static.Int
10	10th October 2020	Webinar on Git and Github	Leah Neville Dsouza	SE CMPN A	SFIT	Achieved Certificate of Participation	SFIT- CODEX
11	20-6-20 to 4-7-20	Spring boot framework in Java	Naman Dangwal	SE CMPN A	SFIT	Achieved certificate of completion	SFIT- CODEX
12	20-6-20 to 4-7-20	Spring boot framework in Java	Joyston Britto	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT

13	20-6-20 to 4-7-20	Spring boot framework in Java	Reo Correia	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT
14	20-6-20 to 4-7-20	Spring boot framework in java	Aditi Desai	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT
15	20-6-20 to 4-7-20	Spring boot framework in java	Janice Johnson Chakalakar	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT
16	10th October 2020	Webinar on GIT and Github	Janice Johnson Chakalakar	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT CODEX
17	10th October 2020	Webinar on GIT and Github	Alaster C.	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT CODEX
18	10th October 2020	Webinar on GIT and Github	Janice Monteiro	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT CODEX
19	20-6-20 to 4-7-20	Spring boot framework in java	Janice Monteiro	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT
20	10th October 2020	Webinar on GIT and Github	Vaishnavi Pramod Malgundkar	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT CODEX
21	20-6-20 to 4-7-20	Spring boot framework in java	Vaishnavi Pramod Malgundkar	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT
22	10/10/22020	Webinar on GIT and Github	Dhvani Dave	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT CODEX
23	20-6-20 to 4-7-20	Spring boot framework in java	Dhvani Dave	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT
24	10th October 2020	Webinar on GIT and Github	Suved Ganduri	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT CODEX
25	20-6-20 to 4-7-20	Spring boot framework in java	Sherine Sebastian	SE CMPN A	SFIT	Achieved Certificate of completion	SFIT
26	10/10/2020	Git and Github workshop	Avnish.J. Raut	SE CMPNB	Online(Google Meet)	Participated	Codex SFIT

27	10/10/2020	Git and Github Workshop	Pranav P. Yadav	SE CMPN B	Google Meet	Participated	CodeX-SFIT
28	20/06/2020 to 04/07/2020	SpringBoot Framework in Java	Pranav P. Yadav	SE CMPN B	Google Meet	Participated	SFIT
29	01-08-2020 to 31-08-2020	Java Programming (Course)	Neha Pattankar	SE CMPN B	Online	Participated	MyCaptian
30	01-09-2020 to 30-09-2020	Android App Development (Course)	Neha Pattankar	SE CMPN B	Online	Participated	MyCaptian
31	06-07-2020 to 03-08-2020	Using Databases with python (course)	Neha Pattankar	SE CMPN B	Online	Participated	Cousera
32	20-6-2020 to 04-07-2020	Spring boot framework in Java	Vaibhavi Welis	SE CMPNB	GOOGLE MEET	Participated	SFIT
33	20-6-2020 to 04-07-2020	Spring Boot framework in Java	Riddhi Sansare	SE CMPN B	Google Meet	Participated	SFIT
34	20-6-2020 to 04-07-2020	Spring Boot framework in Java	Lester Gregory Rodrigues	SE CMPN B	Online (Google Meet)	Participated	SFIT
35	10/10/2020	Git and Github workshop	Lester Gregory Rodrigues	SE CMPN B	Online(Google Meet)	Participated	CodeX-SFIT
36	5/10/2020	Competitive Programming	Lester Gregory Rodrigues	SE CMPN B	Online (Google Meet)	Participated	CodeX-SFIT

37	20-6-2020 to 04-07-2020	Spring Boot framework in Java	Vaz Keegan George Darral	SE CMPN B	Google Meet	Participated	SFIT
38	20/06/2020 to 04/07/2020	Spring Boot framework in Java	Vivek Valerian Pinto	SE CMPN B	Google Meet	Participated	SFIT
39	20/06/2020 to 04/07/2020	Spring Boot framework in Java	Janhavi Deepak Rane	SE CMPN B	Google meet	Participated	SFIT
40	10/10/2020	Git and Github workshop	Yogesh Singh Nayal	SE CMPNB	Google Meet	Participated	Codex SFIT
41	20/06/2020 to 04/07/2020	Spring Boot framework in Java	Yogesh Singh Nayal	SE CMPNB	Google Meet	Participated	SFIT
42	20/06/2020 to 04/07/2020	Spring Boot framework in Java	Anushree Poojary	SE CMPNB	Google Meet	Participated	SFIT
43	20/06/2020 to 04/07/2020	Spring Boot Framework in Java	Alex Victor	SE CMPNB	Online(Googl e meet)	Participated	SFIT
44	20/06/2020 to 04/07/2020	Spring Boot Framework in Java	Domingos J Pinto	SE CMPN B	Online	Participated	SFIT
45	01/07/2020 to 31/07/2020	Java Programmin g Course	Domingos J Pinto	SE CMPN B	Online	Participated	MyCaptain
46	01/09/2020 to 30/09/2020	FSD Course	Domingos J Pinto	SE CMPN B	Online	Participated	MyCaptain
47	20/06/2020 to 04/07/2020	Spring Boot Framework in Java	Siddharth Pasalapudi	SE CMPN B	Google meet	Participated	SFIT

48	20/06/2020 to 04/07/2020	Spring Boot Framework in Java	Joel Dsouza	SE CMPN B	Google meet	Participated	SFIT
49	10th October 2020	Webinar on Git and Github	Chelsea Dsouza	TE CMPN A	Online	Participated	Codex SFIT
50	20th - 22nd Nov 2020	Learning Sprint - Codechef	Chelsea Dsouza	TE CMPN A	Online	Participated	Codechef SFIT
51	10th October 2020	Webinar on Git and Github	Christina Pereira	TE CMPN A	Online	Participated	Codex SFIT
52	10th October 2020	Webinar on Git and Github	Prasad Kamath	TE CMPN A	Online	Participated	Codex SFIT
53	20th - 22nd Nov 2020	Learning Sprint - Codechef	Christina Pereira	TE CMPN A	Online	Participated	Codechef SFIT
54	10th October 2020	Webinar on Git and Github	Neil Albuquerque	TE CMPN A	Online	Participated	CodeX SFIT
55	5/10/2020	Getting started with Competitive Programmin g	Neil Albuquerque	TE CMPN A	Online	Participated	CodeX SFIT
56	10th October 2020	Webinar on Git and Github	Bhoomika Mewada	TE CMPN A	Online	Participated	Codex SFIT
57	20th - 22nd Nov 2020	Learning Sprint - Codechef	Bhoomika Mewada	TE CMPN A	Online	Participated	Codechef SFIT

EXTRA-CURRICULAR ACTIVITIES

Sr. No.	Student's Name	Event Name	Class/Sem/Div	Achievement	College
1	Basil Zujya Koli	CodeX	SE CMPN A	Graphics Executive	SFIT
2	Vishwa Mhatre	National Unity Day 1. AIDS Awareness	SE CMPN A	Participated	NSS SFIT
3	Rebecca Aurelia Dsouza	National Unity Day 1. AIDS Awareness	SE CMPN A	Participated	NSS SFIT
4	Sherine Sebastian	National Unity Day	SE CMPN A	Participated	NSS SFIT
5	Riddhi Sansare	Constitutional Day Quiz	SE CMPN B	Participated	SFIT
6	Harshit Shetty	TEDx SFIT band performance	SE CMPN B	Participated	SFIT
7	Vivek Pinto	CodeExpress	SE CMPN	Participated	SFIT
8	Yogesh Singh Nayal	TEDx SFIT band performance CodeExpress	SE CMPNB	Participated	SFIT
9	Siddhant Mishra	Smart India Hackathon - 2020	TE CMPN B	Participated	Online
10	Semil Shah	Smart India Hackathon - 2020	TE CMPN B	Participated	Online
11	Avani Vartak	Smart India Hackathon - 2020	TE CMPN B	Participated	Online
12	Megha Saboo	Iris Fest	BECMPNB	Creative Head	SFIT
13	Megha Saboo	Tedx	BECMPNB	Creative member	SFIT

STUDENT PUBLICATIONS

Student Name	Class	Publication Details
Hrishkesh Telang	BE CMPN	“Effective Performance of Bins Approach for Classification of Malaria Parasite using Machine Learning”, IEEE 5th International Conference on Computing Communication and Automation (ICCCA), 30-31 Oct. 2020, Added on IEEE Xplore, 10 November 2020

LIST OF STUDENTS WHO COMPLETED INTERNSHIPS

Sr. No.	Student's Name	Class/Sem/Div	Industry Worked with	Duration	Status
1	Somnath Pratik	SE CMPN B	Supraja Technologies	1 month 4/8/2020-4/9/2020	Completed
2	Vaz Keegan George Darral	SE CMPN B	Calibrant Classes	1 year and running 30/03/2020-21/03/21	Currently Interning
3	Neil Mascarenhas	TE CMPN A	TalentAnywhere	1 month	Completed
4	Bhoomika Mewada	TE CMPN A	ARC 360	1MONTH	COMPLETED
5	Yash Mistry	TE CMPN A	Talent Anywhere	1 Month	Completed
6	Siddhant Mishra	TE CMPN B	Static. Int Educare	-	Currently Working
7	Shravani Dhuri	TECMPNB	The Sparks Foundation	1 month	Completed
8	Harikrishnan S Unnithan	TECMPNB	3 Folks Media	1 month	Completed
9	Kartik Parekh	TECMPNB	1)CYBERFY 2)3 FOLKS MEDIA	1 month 8 months	Completed Currently working
10	Shubh shah	TECMPNB	3FOLKS MEDIA	9 months	Founder
11	Jerin Varghese	BE CMPN A	AugrayXR	1month	Completed
12	Jerin Varghese	BE CMPN A	Bridged.co	5 months	Completed
13	Sahil Kotian	BE CMPN B	Think Of It Foundation	6 months	Completed
14	Sahil Kotian	BE CMPN B	Learnero Private Limited	3 months	Ongoing

**DEPARTMENT OF
ELECTRICAL
ENGINEERING**

FACULTY ACTIVITIES

Activities conducted and planned by faculties are given below:

Activities organized by the department

Sr. No.	Name of the Workshop/Seminar/STTP	Date	No. of days	No. of participants	Resorce Person details	Venue Details
1	LaTeX workshop	30/11/2020	1	70	Dr Pratik Bajaria	Google meet

Workshop/Seminar/STTP/TEQIP Attended by faculty

Sr. No	Name of the Person	Name of the Workshop/Seminar/STTP	Date	No. of days	Professional Body associated(if any)	Venue Details
1	Ms Megha Fernandes	Online FDP on Electric Vehicles	1-9-2020 to 5-9-2020	5	ATAL	Online FDP conducted by Gyan Ganga Institute of Technology and Sciences, Jabalpur
		Online FDP on Electric Vehicles	2-11-2020 to 6-11-2020	5	ATAL	Online FDP conducted by Fr. C Rodrigues Institute of Technology, Vashi
		AICTE sponsored STTP Phase-III on Renewable energy development in Deregulated power market : Future Senerio, RDDPF-2020	7-9-2020 to 12-9-2020	6	AICTE	EEE department ,Jayamukhi Institute of Technological Sciences, Autonomous college
		18. 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.	10-07-2020	1		Maharshi Karve Stree Shikshan Samstha's Cummins College of

						Engineering for Women, Nagpur
		Programming Skill Internship Program 2020-Python programming,	4-7-2020 to 17-7-2020	14	SFIT	Extc department SFIT Borivali
		Webinar on "Salient Features of National Power Grid & it's Management during emergencies	14-11-2020	1		Tata Power LTD
		A Webinar on: Virtual Labs: Effective Tool For Teaching and Learning	10-07-2020	1		Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women, Nagpur
		Attended Programming Skill Internship Program 2020-Python programming,	4/7/2020-17/7/2020.	14		Extc department SFIT Borivali
		Webinar on Basics of Earth Testing by Megger India Ltd.	14-07-2020	1	MEGGER INDIA	
		orientation Programme on Mini Project-1A/1B	July 30, 2020.	1	University of Mumbai	Organized by Department of Electrical Engineering Fr.C.Rodrigues Institute of Technology, Vashi, Nav i-mumbai.
		orientation Programme on Electrical Power System-1,	04-08-2020	1	University of Mumbai	A. C. Patil College of Engineering, Kharghar, Navi-Mumbai.
2	Ms Josna Jose					
3	Mr Pratik Rahate	Webinar on Basics of Earth Testing by Megger India Ltd.	14-07-2020	1	MEGGER INDIA	

		Attended and conducted matlab workshop in st francis institute of technology organized in co-ordination with Mathworks.	29-07-2020	1		organized by St. Francis Institute of Technology, Borivali
		Orientation Programme on FEMM subject	31-07-2020	1	University of Mumbai	Organized by Department of Electrical Engineering Fr.C.Rodrigues Institute of Technology, Vashi, Nav i-mumbai.
		Attended Programming Skill Internship Program 2020-Python programming,	4/7/2020-17/7/2020.	14		Extc department SFIT Borivali
		Orientation Programme on SBL lab	10-08-2020	1	University of Mumbai	Organized by Department of Electrical Engineering Fr.C.Rodrigues Institute of Technology, Vashi, Nav i-mumbai.
		orientation Programme on Simulation Lab-1	July29,2020	1	University of Mumbai	Organized by Department of Electrical Engineering Fr.C.Rodrigues Institute of Technology, Vashi, Nav i-mumbai.
4	Ms Varsha Thandassary	orientation Programme on Mini Project-1A/1B	July 30, 2020.	1	University of Mumbai	Organized by Department of Electrical Engineering Fr.C.Rodrigues Institute of Technology, Vashi, Nav i-mumbai.

		orientation Programme on Analog Electronics and Electronics Lab-I	August 5, 2020.	1	University of Mumbai	Organized by Department of Electrical Engineering Fr.C.Rodrigues Institute of Technology, Vashi, Navi-mumbai.
		Attended Programming Skill Internship Program 2020-Python programming,	4/7/2020-17/7/2020.	14		Extc department SFIT Borivali

STUDENT ACTIVITIES

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

----- STUDENTS ATTENDED ----- PROGRAMMES

Sr. No	Event Date	Title of Workshop/ Event Name	Class/ Sem/ Div	Venue	No. of students attended the workshop	Conducted/ Attended/ Participated	Professional Body Associated
1.	25/6/2020 - 10/7/2020	MATLAB Workshop	TE &SE ELEC	SFIT, Google meet	100	Attended	NA
2.	30/11/2020	LaTeX workshop	TE &SE ELEC	SFIT, Google meet	70	Attended	NA
3.	4-7-2020 to 17-7-2020	python workshop	TE ELEC	SFIT, Google meet	67	Attended	NA
4.	October 2020	ABU Robocon 2020	TE &SE ELEC	DD National	3	Participated	NA
5	July 2020	e-Yantra Robotics Competition (eYRC 2019-20)	TE ELEC	IIT Bombay	1	Participated	NA
6	October 2020	Aakruti Design Competition 2020	TE ELEC	Dassult Systems	1	Participated	NA
7	October 2020	Selenium workshop	TE ELEC	SFIT	4	Attended	ISTE
8	July 2020	Z-Automation	TE ELEC	Soham Industries	1	Participated	NA
9	September 2020	Kaggle	TE ELEC	Google	1	Participated	NA

10	July 2020	PC Builder	TE ELEC		1	Participated	NA
11	26/6/2020- 28/6/2020.	Java coding workshop	SE ELEC	SFIT, Google meet	35	Attended	NA
12	03-07-2020	National Level quiz on Electrical Engineering	SE ELEC	Teegal Krishna Reddy Engineering College	5	Participated	NA
13	22-09-2020	Certificate of Energy Literacy	SE ELEC	Energy Swaraj Foundation	5	Participated	NA
14	15, 21, 29th August ,	TEDx SFIT	TE ELEC	SFIT, Google meet	2	Participated	E-cell
15	April2020	Learn to Design your own Solar Home System	TE ELEC	Energy Swaraj Foundation	10	Attended	NA
16	April2020	Electric Power Systems	TE ELEC	State University of Newyork- Coursera	8	Attended	NA
17	May 2020	Hacktoberfest	SE ELEC	SFIT	1	Attended	IEEE

STUDENTS ACHIEVEMENTS

Sr. No.	Student's Name	Event Name	Class/Sem/Div	Achievement	College Name
1	Darshit Shetty	Pyschological Coustre	TE ELEC A	Certificate	Yale University-- Coursera
2	VIJAY KUAMR	IIRS (RS&GSI)	TE ELEC A		ISRO
3	Mervin D'costa	TEDx SFIT 2020	TE ELEC A		SFIT
4	Tanishq Date	Learn to Design your own Solar Home System	TE ELEC A	Certificate	Energy Swaraj Foundation
5	Keyur Mandavgane	Introduction to Python	TE ELEC A	Certificate	Michigan University- Coursera
6	Keyur Mandavgane	Electric Power Systems	TE ELEC A	Certificate	State University of Newyork-Coursera
7	Keyur Mandavgane	Learn to design your Solar system	TE ELEC A	Certificate	Energy Swaraj Foundation
8	Krishna Reddy	learn to design your home pv system	TE ELEC A	Certificate	Energy swaraj foundation
9	Krishna Reddy	Learning how to learn	TE ELEC A	Certificate	San Diego University

10	Lalit Kulkarni	IIRS(RS&GIS)	TE ELEC A	Certificate	ISRO
11	Sagar gitaye	Learn to design your Solar system	TE ELEC A	Certificate	Energy Swaraj Foundation
12	Sagar gitaye	Introduction to Python	TE ELEC A	Certificate	Michigan university-Coursera
13	Shreyas Jadhav	Learn to Design your own Solar Home System	TE ELEC A	Certificate	Energy Swaraj Foundation
14	Shreyas Jadhav	Programing for Everybody	TE ELEC A	Certificate	University of Michigan
15	Shreyas Jadhav	Electric Power Systems	TE ELEC A	Certificate	University of Buffalo
16	Shreyas Jadhav	Time Value of Money	TE ELEC A	Certificate	University of Michigan
17	Shreyas Jadhav	Financial Markets	TE ELEC A	Certificate	Yale University
18	Shreyas Jadhav	Wind Energy	TE ELEC A	Certificate	Technical University of Denmark
19	Shreyas Jadhav	Renewable Energy and Green Building Entrepreneurship	TE ELEC A	Certificate	Duke University
20	Shreyas Jadhav	Solar Energy Basics	TE ELEC A	Certificate	The State University of New York
21	Shreyas Jadhav	Electric Utilities Fundamentals and Future	TE ELEC A	Certificate	University of Colorado System
22	Shreyas Jadhav	Electric Vehicles and Mobility	TE ELEC A	Certificate	École des Ponts ParisTech
23	Shreyas Jadhav	Mathematics for Machine Learning: Linear Algebra	TE ELEC A	Certificate	Imperial College London
24	Shreyas Jadhav	Mathematics for Machine Learning: PCA	TE ELEC A	Certificate	Imperial College London
25	Shreyas Jadhav	Mathematics for Machine Learning: Multivariate Calculus	TE ELEC A	Certificate	Imperial College London
26	Hiten Koli	Learn to design your own pv system	TE ELEC A	Certificate	Energy Swaraj foundation
27	Glen Joseph Dabre	designing your solar home system	TE ELEC A	Certificate	Energy Swaraj Foundation
28	Neitrik Gaikwad	learning how to design your solar home system	TE ELEC A	Certificate	Energy swaraj foundation
29	Neitrik Gaikwad	introduction to python	TE ELEC A	Certificate	Michigan university-coursera
30					
31	Ayush Kamat	Programing for Everybody	TE ELEC A	Certificate	University of Michigan
32	Ayush Kamat	Spanish vocabulary	TE ELEC A	Certificate	University of California

33	Ayush Kamat	Electric Power Systems	TE ELEC A	Certificate	University at Buffalo
34	Ayush Kamat	Time Value of Money	TE ELEC A	Certificate	University of Michigan
35	Ayush Kamat	From the Big Bang to Dark Energy	TE ELEC A	Certificate	University of Tokyo
36	Ayush Kamat	Bonds and Stocks	TE ELEC A	Certificate	University of Michigan
37	Ayush Kamat	Financial Markets	TE ELEC A	Certificate	Yale University
37	Jignesh Chotalia	Electric power systems	TE ELEC A	Certificate	The state university of New York- Coursera
38	Jignesh Chotalia	Linear circuits : DC analysis	TE ELEC A	Certificate	Georgia institute of technology- Coursera
39	Jignesh Chotalia	Programming for everybody	TE ELEC A	Certificate	University of Michigan- Coursera
40	Vrishti Dhurv	Finance for Non-Financial Professionals	TE ELEC A	Ongoing	University of California-Coursera
41	Vrishti Dhurv	CS50's Introduction to Computer Science	TE ELEC A	Ongoing	Harvard - EDX
41	Vrishti Dhurv	Introduction to Psychology	TE ELEC A	Ongoing	University of Yale- Coursera
42	Rahul Solanki	CS50's Introduction to Computer Science	TE ELEC A		Harvard - EDX
43	Jayesh Patil	CS50's Introduction to Computer Science	TE ELEC A		Harvard - EDX
44	Jayesh Patil	Introduction to Psychology	TE ELEC A		University of California-Coursera
45	Digpal Singh chundavat	Learn to Design your own Solar Home System	TE ELEC A	Certificate	Energy Swaraj Foundation
46	Vishal Gupta	Linear circuits : DC analysis	TE ELEC A	Certificate	Georgia institute of technology
47	Vishal Gupta	Linear circuits : AC analysis	TE ELEC A	Certificate	Georgia institute of technology
48	Vishal Gupta	Electric Power Systems	TE ELEC A	Certificate	University of Buffalo
49	Vishal Gupta	Learn to Design your own Solar Home System	TE ELEC A	Certificate	Energy swaraj foundation
50	Aditya Panchal	Learn to Design your own Solar Home System	TE ELEC A	Certificate	Energy Swaraj Foundation
51	Aditya Panchal	3DEXPERIENCE - 3D Creator	TE ELEC A	Certificate	Dassult Systems
52	Aditya Panchal	Programming for everybody	TE ELEC A	Certificate	University of Michigan- Coursera
53	Aditya Panchal	Additive Manufacturing	TE ELEC A	Certificate	Dassult Systems
54	Aditya Panchal	Certified Solidworks Professional Desgner	TE ELEC A	Certificate	Dassult Systems
55	Aditya Panchal	Advanced Weldments	TE ELEC A	Certificate	Dassult Systems

56	Aditya Panchal	StateFlow Onramp	TE ELEC A	Certificate	MathWorks
57	Aditya Panchal	SIMULINK Onramp	TE ELEC A	Certificate	MathWorks
58	Aditya Panchal	MATLAB Onramp	TE ELEC A	Certificate	MathWorks
59	Aditya Panchal	Electric Compressor E-Program	TE ELEC A	Certificate	TATA
60	Aditya Panchal	Earthing E-Program	TE ELEC A	Certificate	TATA
61	Aditya Panchal	Induction motor E-Program	TE ELEC A	Certificate	TATA
62	Aditya Panchal	Programmable Logic Controller (PLC) E-Program	TE ELEC A	Certificate	TATA
63	Aditya Panchal	Power Systems E-Program	TE ELEC A	Certificate	TATA
64	Aditya Panchal	Trasformers E-Program	TE ELEC A	Certificate	TATA
65	Bhavik Chaudhari	Linear circuits : DC analysis	TE ELEC A	Certificate	Georgia institute of technology- Coursera
66	Bhavik Chaudhari	Linear circuits : AC analysis	TE ELEC A	Certificate	Georgia institute of technology- Coursera
67	Bhavik Chaudhari	Learn to Design your own Solar Home System	TE ELEC A	Certificate	Energy swaraj foundation
68	Vimlesh sharma	Learn to Design your own Solar Home System	TE ELEC A	Certificate	Energy swaraj foundation
69	Vimlesh sharma	Linear circuits : DC analysis	TE ELEC A	Certificate	Georgia institute of technology
70	Vimlesh sharma	Linear circuits : AC analysis	TE ELEC A	Certificate	Georgia institute of technology
71	Vimlesh sharma	Electric Power Systems	TE ELEC A	Certificate	University of Buffalo
72	Anushka Somavanshi	TEDx SFIT - Curation Head	TE ELEC A		SFIT
73	Anushka Somavanshi	Design and Make Infographics (Project-Centered Course)	TE ELEC A	Certificate	Michigan State University
74	Anushka Somavanshi	Motors and Motor Control Circuits	TE ELEC A	Certificate	University of Colorado
75	Anushka Somavanshi	Electric Power Systems	TE ELEC A	Certificate	The state university of New york- Coursera
76	Anushka Somavanshi	Programming for Everybody (Getting Started with Python)	TE ELEC A	Certificate	University of Michigan- Coursera
77	Samiksha Soor	Learn to Design your own Solar System	TE ELEC A	Certificate	Energy Swaraj Foundation

78	Deepak chauhan	Learn to Design your own Solar System	TE ELEC A	Certificate	Energy Swaraj Foundation
79	Deepak chauhan	Crash course on python	TE ELEC A		Google
80	Kaustubh More	Spring boot Framework in Java	SE ELEC		SFIT
81	Kaustubh More	Robocon 2020	SE ELEC	AIR 11	SFIT (RAW)
82					
83	Chinmay Pawar	Robocon 2020	SE ELEC	AIR 11	SFIT (RAW)
84	Chinmay Pawar	Python For Data Science	SE ELEC		IBM
85	Chinmay Pawar	Autodesk Fusion 360 (Mechanical Designing & Simulation)	SE ELEC		Autodesk
86	Chinmay Pawar	Undergraduate and Masters Virtual Internship Platform	SE ELEC		Microsoft
87	Chinmay Pawar	Technology Consulting Virtual Internship	SE ELEC		Deloitte
88					
89	Ainsh Vedant	IEEE: Hacktoberfest	SE ELEC		SFIT
90	Ainsh Vedant	Coursera : Python for Data Science	SE ELEC		SFIT
91					
92	Vrundar More	Spring boot Framework in Java	SE ELEC		SFIT
93	Aditya Gaikwad	ISTE Selenium Workshop	SE ELEC		SFIT
94	Aditya Gaikwad	"I.B" online Quiz Competition	SE ELEC		NCRD
95	Aditya Gaikwad	Constitutional Day - Nss Quiz Competition	SE ELEC		SFIT
96	Mohan Chipkar	Introduction to mechanical engineering design and manufacturing with fusion 360	SE ELEC		Autodesk/coursera
97	Mohan Chipkar	Intro to digital manufacturing with autodesk fusion 360	SE ELEC		Autodesk/coursera
98	Mohan Chipkar	Introduction to electronics	SE ELEC		Autodesk/coursera
99	Mishra Anshika Rakesh	National Level Quiz on Electrical Engineering	SE ELEC		Teegala Krishna Reddy Engineering College

100	Mishra Anshika Rakesh	National Level Quiz on Mathematics	SE ELEC		Shri L. R. Tiwari College Of Engineering
101	Adriel Furtado	National Level Quiz on Electrical Engineering	SE ELEC		Teegala Krishna Reddy Engineering College
102	Adriel Furtado	Spring boot Framework in Java	SE ELEC		SFIT
103	Adriel Furtado	Math and Neural Networks (Techniques & Technologies)	SE ELEC		Don Bosco Institute of Technology
104	Adriel Furtado	Physics and Engineering	SE ELEC		Don Bosco Institute of Technology
105	Adriel Furtado	Responsible use of Medicines	SE ELEC		SFIT
106	Adriel Furtado	ML for Developing Nations	SE ELEC		SFIT
107	Adriel Furtado	Libraries and tools fr machine learning	SE ELEC		SFIT
108	Grahita Patel	Learn to design your Solar system	TE ELEC A	Certificate	Energy Swaraj Foundation
109	Shubham Gupta	Linear circuits : DC analysis	TE ELEC A	Certificate	Georgia institute of technology- Coursera
110	Shubham Gupta	Electric Power Systems	TE ELEC A	Certificate	The state university of New york- Coursera
111	shubham Gupta	Programing for everybody	TE ELEC A	Certificate	University of Michigan- Coursera
114	Shubham Gupta	Power system and Distribution	TE ELEC A	Certificate	TATA STEEL
115	Shubham Gupta	Matrix Algebra for Engineers	TE ELEC A	Certificate	The Hong Kong University Of science and technology- Coursera
116	Shubham Gupta	online state level Quiz competition on "Maintenance of Electrical Equipments(22625)	TE ELEC A	Certificate	M.H.Saboo Siddiki Polytechnic
117	Shubham Gupta	Basic of Electrical Engineering	TE ELEC A	Certificate	Shri.Bhagubhai Mafatlal Polytechnic

**DEPARTMENT OF
ELECTRONICS AND
TELECOMMUNICATIONS
ENGINEERING**

Workshop/Seminar/Conference Attended

Sr. No.	Name of the Faculty	Title of Workshop/Seminar/Conference	Organizing Body
1	Ms. Shilpa Chaman	One-week QIP short term course on “Introduction to Human Factors Engineering and Advanced Cognitive Systems Design”, 26th Dec 2020 to 2nd Jan 2021, IIT Bombay	IIT Bombay
		One week AICTE-FDP Online workshop on “Universal Human Values in Education” during 13th to 17th May 2020.	AICTE Delhi
2	Ms.Snehal Lopes	Attended AICTE sponsored one week Short Term Training Program on Green Internet of Things conducted from 10th to 15th August, 2020	Vivekanand Education Society’s Institute of Technology Department of Electronics and Telecommunication Hashu Advani Memorial Complex, Collector’s Colony, Chembur, Mumbai-74.
		participated in one week online National level STTP on “Programming in JAVA”, organized by Computer Engineering Department at Thadomal Shahani Engineering College, Bandra, Mumbai, from 13th - 18th July 2020.	Thadomal Shahani Engineering College TPS III, P. G. Kher Marg, Bandra (w)
		Attended a webinar on "virtual labs:Effective Tool for teaching and learning"	organised in association with AICTE & Virtual lab,Center for system design,NITK suratkal held on 10th July 2020
3	Ms. Jovita Serrao	One-week QIP short term course on “Introduction to Human Factors Engineering and Advanced Cognitive Systems Design”, 26th Dec 2020 to 2nd Jan 2021, IIT Bombay	IIT Bombay

Faculty Publications

Sr. No	Author’s Name	Paper Title	Publication details
1	Ms Shilpa Chaman	Techniques for Compressing Deep Convolutional Neural Network	Shilpa Chaman, ‘Techniques for Compressing Deep Convolutional Neural Network’ in 2020 International Conference on Computational Performance Evaluation (ComPE), co-Sponsored by IEEE Kolkata Section and IEEE Industrial Society, USA, July 2–4, 2020, ISBN:978-1-7281-6645-2.

Invited talks/Workshop/Seminar/Conference Conducted

Sr. No.	Name of the Faculty	Title of Workshop/Seminar/Conference	Organizing Body
1	Ms. Snehal Lopes	Course coordinator for value added course on “Pycode: Python Programming”	Organised by the Department of Electronics and Telecommunication Engineering under the skill development cell, St. Francis Institute of Technology, Borivali, from July 04th to July 17th, 2020.

Faculty Achievements

Name of the Faculty	Course Organizer	Course Details Course duration, title, Grade)
Ms. Shilpa Chaman	NPTEL AICTE FDP IIT Kharagpur certified Online Course	Twelve weeks NPTEL-AICTE FDP course on “Deep Learning”, Jan-April 2020, IIT Kharagpur.
	NPTEL AICTE FDP IIT Kanpur certified Online Course	“Twelve weeks NPTEL-AICTE FDP course on “Principles of Signals and System”, Jan-April 2020, IIT Kanpur.
	MATLAB ONLINE	MATLAB course on Image Processing on RAMP, Dec 2020.

**DEPARTMENT OF
INFORMATION
TECHNOLOGY**

Teacher's Achievements

Dr. Nitika Rai Completed her PhD - VJTI Mumbai - Wireless sensor networks

Details of teachers **Organized** professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, and Faculty Development Programs during **July to Dec 2020**

Sr. No	Name of Faculty	Title of Workshop / Seminar / STTP / Conference	Date	Organizing Body
1	Dr. Joanne Gomes	Circuit diagrams designing with Arduino simulator	23/11/2020 and	AICTE sponsored program at Shah and Anchor Kutchhi Engineering College, Mumbai
2	Dr. Joanne Gomes	Hands on Arduino Simulator	7/08/2020 to 8/08/2020	SFIT Mumbai
3	Prachi Raut	Tinkercad Simulation	8/7/2020	SFIT
4	Nitika Rai	Admission Process	06/09/2020 to 06/09/2020	SFIT
2	Dr. Minal Lopes	Workshop on Exploring Packet Tracer for IoT Simulations	14/08/2020 to 14/08/2020	Department of Information Technology under the 'IOT Simulation Platforms Workshop'
3	Nitika Rai	Basics of Calligraphy	26/07/2020 to 27/07/2020	Cultural committee, SFIT
4	Nitika Rai	Online teaching tools and Techniques	14/07/2020 to 14/07/2020	SFIT
5	Mrinmoyee Mukherjee	IoT Workshop (IOT in Agriculture)	08/07/2020 to 08/07/2020	SFIT
6	Nitika Rai	Mandala Drawing	03/07/2020 to 03/07/2020	Cultural committee, SFIT
7	Vaibhav Kala and Dr. Nazneen Ansari	Online Machine Learning Workshop	07/07/2020 to 12/07/2020	SFIT
8	Ms. Grinal Tuscano	Hands on Arduino Simulator	7/08/2020 to 8/08/2020	SFIT Mumbai

Details of teachers **attended** professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, and Faculty Development Programs during **July to Dec 2020**

Number of teachers who attended	Title of the professional development program		Date and Duration (from – to)	
Joanne Gomes	BlockChain Technology		1 week	Dec 14-18 2020
	BlockChain Technology	AICTE Sponsered ATAL FDP online from Bangalore Inst of Technology	1 week	Nov 23-27 2020
	Circuit Simulation using Arduino Simulateor	in AICTE sponsored ATAL FDP on ISecure OT applications at SAKEC Mumbai	2 Hrs	23 Nov 2020
	Circuit Simulation using Arduino Simulateor	in AICTE sponsored ATAL FDP on ISecure OT applications at SAKEC Mumbai	2 Hrs	
	IOT Simulator for Arduino	in 30 Hrs workshop on IOT Simulators at Information Technology Dept..at SFIT Mumbai	1-day	Aug-7 2020
Mrinmoyee Mukerjee	Paradigm and Computer Programming Fundamentals (ITC305) and Computer Programming Paradigm Lab (ITL303)	Konkan Gyanpeeth College of Engineering, Karjat and University of Mumbai	3 Days (9th -11th July 2020)	2020-21
	AICTE Training and Learning (ATAL) Academy, Online FDP on "Data Sciences"	Online NIIT- Mizoram	2020-12- 15 to 2020-12-19	2020-21
	IOT for Agriculture	St. Francis Institute of Technology	4 Hours	2020-21
Shree Jaswal	Virtual Labs: Effective Tools for	Online - Cummins college of Engineering for Women, Nagpur	1 day (10 July 2020)	2020-2021

	Teaching and Learning			
Nitika Rai	Admission Process	Online -	1 day (6 Sept 2020)	2020-2021
	IoT Networking - IoT Simulation Platforms Workshop	Online -	1 day (14 Aug 2020)	2020-2021
	Online teaching tools and Techniques	Online -	1 day (14 July 2020)	2020-2021
	Virtual Labs: Effective Tools for Teaching and Learning	Online - Cummins college of Engineering for Women, Nagpur	1 day (10 July 2020)	2020-2021
	Revised 2019 C scheme for Principle of Communication	Online - Terna Engineering College	1 day (7 July 2020)	2020-2021
Grinal Tuscano	IOT Simulation Platforms Workshop 1. IoT Cloud Platforms 2. Demonstration of Cloud platform and Blynk App	St. Francis Institute of Technology	2 Days (20 th August 2020, Thursday; 21 st August 2020, Friday)	2020-2021
	FDP on "Network & IoT Simulation Platforms"	Government College of Engineering, Karad	One Week (27th - 31st August, 2020)	2020-2021
	Faculty Orientation Prog- Mini Project - Sem 3-INFT	Vidyalankar Institute Technology	7/3/2020 2:45:00 PM	2020-2021
	Healthy Choices - Mental Health, by Dr. Avinash DeSousa	SFIT-online	12th September 2020, from 5 PM to 7 PM IST. (1 day)	2020-2021
	Engineering the Future - Job Hunters, a Panel Discussion	SFIT-online	25th July, 2020 from 5 PM	2020-2021
	webinar, Engineering the Future - MBA, a Panel Discussion conducted by panelists Mr. Vidyasagar Ayyappan, Ms. Shwetha Shetty,	SFIT-online	11th July, 2020 from 5 PM (1 day)	2020-2021
	Financial Fitness by S.F.I.T.A.A.	SFIT-online	5/9/2020 16:45:00 (1 day)	2020-2021

Dr. Minal Lopes	Exploring Packet Tracer for IoT Simulations	Department of Information Technology under the 'IOT Simulation Platforms Workshop'.	1 day (on 14th Aug, 2020)	2020-21
Ms. Amrita Mathur	Python for Data Science	Xavier Institute of Engineering, Mumbai	10 weeks (11th May to 17th July)	2019-20
Mr. Vaibhav Kala	4 Days Facebook Ad Workshop	ONLINE WORKSHOP	29/7/20	2019-20
Ms Prajyoti Dsilva	“Insights into Intelligent Automation, Machine Learning and Data Science: Data Science and Its Applications”	AICTE sponsored FDP online	7/12/2020- 19/12/2020	2020-2021
Ms Prajyoti Dsilva	Insights into Intelligent Automation, Machine Learning and Data Science: Foundation of Data Science	AICTE sponsored FDP online	19/10/2020-31/10/2020	2020-2021
Ms. Monika Pal	Webinar	Advanced OBE	9/5/2020	2019-2020

Student Achievement

Student Name	Date	Class	Event	Event	Organized
VIRAL SONI	31st Aug 2020	SE IT A	Technical Event	CS50 PUZZLE DAY	HARVARD UNIVERSITY (CAMBRIDGE, MASSACHUSETTS)

ITSA Events:

Sr. no	Event	Date	Speaker
1	The Job Aftermath	12th May 2020	Ashish Rane
2	Escrow	16th Jul 2020	

	(Contest Event)		
3	Software Testing Webinar	1st Aug 2020	Mr. Arnub Banerjee
4	Java SQL Crash Course	17th Nov 2020	Ms. Priyanca Pacheria

One Week Workshop for SE, TE, BE

Sr. no	Event	Date	Arranged by
1	IOT Workshop	(6 th 7 th 8 th 14 th 20 th 21 st August 2020)	Department of Information Technology
2	Machine Learning Workshop	7 th July to 12 th July 2020	Department of Information Technology

**DEPARTMENT OF
MECHANICAL
ENGINEERING**

A. Teaching Faculty achievements

1. Courses Completed

Name of Faculty	Course Title	Duration	Organized by
Mr. Sunil Pansare	ATAL FDP Finite Element Analysis for Product Design	5 days	AICTE
	Training Program on MultiSim	4 days	National Instrument
Mr. Yunus Dalal	Training Program on MultiSim	4 days	National Instrument
	Module 1 - Orientation Towards Technical Education and Curriculum Aspects	8 weeks	National Initiative For Technical Teacher's training (NITTT)
Mr. Magesh Nadar	Kinematics of mechanisms and machines	8 weeks	NPTEL

2. Faculty Development Programme (FDP)/Workshop Attended

Name of Faculty	Course Title	Duration	Organized by
Mr. Sunil Pansare	LabVIEW & Real-Time Data Acquisition	5 Days	National Instrument
Mr. Yunus Dalal	LabVIEW & Real-Time Data Acquisition	5 Days	National Instrument
	Teaching Learning Pedagogies	6 days	A.G. Patil Polytechnic Institute (AQIS)
	AICTE Incorporating Universal Human Values in Education	1 week	AICTE
Mr. Magesh Nadar	LabVIEW & Real-Time Data Acquisition	5 Days	National Instrument
	Teaching Learning Pedagogies	6 days	A.G. Patil Polytechnic Institute (AQIS)
	AICTE Incorporating Universal Human Values in Education	1 week	AICTE

3. Seminar/Workshop Attended

Name of Faculty	Course Title	Conducted By
Dr. Chelamallu Hariprasad	Mentoring- An inward journey	SFIT
	Faculty orientation Program on Mini Projects	LTCOE
Mr. Sunil Pansare	Faculty orientation Program on Mini Projects	LTCOE
	Mentoring- An inward journey	SFIT
Mr. Ravindra Garmode	Faculty orientation Program on Mini Projects	LTCOE
	Faculty orientation Program on Thermodynamics	RGIT

	Mentoring- An inward journey	SFIT
	Faculty orientation Program on Mini Projects	LTCOE
Mr. Yunus Dalal	Virtual Labs: Effective Tool for Teaching and Learning	MKSSS's Cummins College of Engineering for Women, Nagpur
	Faculty orientation Program on Thermodynamics	RGIT
	Mentoring- An inward journey	SFIT
	Faculty orientation Program on Mini Projects	LTCOE
	ISTL training session 2	ISHRAE
	Ventilation Systems in Buildings and ISHRAE Guidelines for COVID-19	ISHRAE
	MATLAB and SIMULINK for Mechanical Engineers	MATHWORK
	Workshop on Mechatronics, Robot Automation and Industrial IoT	FANUC
Mr. Magesh Nadar	Mentoring- An inward journey	SFIT
	Faculty orientation Program on Mini Projects	LTCOE

B. Student achievements

1. Internship Completed

Name of Student	Organization	Class	Duration	Online/Offline
Ameya Sardesai	IIIRPD, Intern Shala Website	TE	1 Month	Online
Meet Patel	My Captain Website	TE	1 Month	Online
Nilesh Mishra	Infi-league motorsports	TE	1 Month	Online
	Tantra-byte Pvt. Ltd		2 Months	Online
	Hits Solution		1 Month	Online
Saahiel Saawaant	Ninsar Agritech	SE	69 days	Online

2. Course/Training/Certification Completed

Name of Student	Course	Class	Date
Glenn David Tharayil	Intelligent Machining	TE	1 month
	Introduction to Ordinary Differential Equations	TE	1 month
	Pycode: Python Programming	TE	30 hours
	NI-MULTISIM	TE	1 week

	Managing Project Risks and Changes	TE	1 month
Tapaswi More	Machine Design Part 1	TE	4 weeks
	Fusion 360	TE	4 weeks
	NI Multisim	TE	1 week
	Introduction to Ordinary Differential Equations	TE	1 month
	Pycode: Python Programming	TE	30 hours
Pashana Aaron Aldrin	Pycode: Python Programming	TE	30 hours
Rudra Sunil Paradkar	Python for everybody	TE	19 hours
	Autodesk Fusion 360	TE	12 hours
	NI-Multisim	TE	1 week
	Pycode: Python Programming	TE	30 hours
Ameya Sardesai	NI-MULTISIM	TE	7 days
	Pycode: Python Programming	TE	30 hours
	International Leadership and Organizational Behavior	TE	20 hours
	Intro to Digital Manufacturing with Autodesk Fusion 360	TE	4 weeks
	Matlab Master class	TE	10 days
	Workshop on Electric Vehicles	TE	1 day
	Bootcamp on Electric Vehicle Simulation and Component sizing	TE	2 days
Swapnil Sanjay Kashid	Pycode: Python Programming	TE	30 hours
	Ansys	TE	2 months
Hilton Henry Dsouza	Pycode: Python Programming	TE	30 hours
	Electric Power Systems	TE	1 month
Dylan Pereira	Pycode: Python Programming	TE	30 hours
	Mechanics of Materials 4	TE	1 week
	NI-MULTISIM	TE	5 days
Adarsh Singh	Pycode: Python Programming	TE	30 hours
	Python for everybody	TE	19 hours.
	NI-MULTISIM	TE	1 week
	AutoCAD for design and drafting	TE	17 hours
Shubham Kamble	Pycode: Python Programming	TE	30 hours
Meet Patel	Pycode: Python Programming	TE	30 hours
Chris Tuscano	Modeling and Design for Mechanical Engineers with Autodesk Fusion 360	TE	4 weeks
		TE	
Craig Jude Carvalho	Pycode: Python Programming	TE	30 hours
	Natural gas	TE	16 hours
	Introduction to ordinary differential equations	TE	15 hours
	Work smarter, not harder: Time management for personal and professional productivity	TE	10 hours

Nilesh Mishra	Python 101 for data science	TE	4 week
	Basic of drives - motors	TE	
	Introduction to AI	TE	3 days
Kush Shah	CSWA	TE	1 week
	CSWP	TE	10 days
Karimullah Warsi	Pycode: Python Programming	TE	30 hours
	NI-MultiSim	TE	1 week
	Electric Power Systems	TE	--
	Machine learning for all	TE	--
	Accelerated car sketching and design course	TE	--
Shridama Joshi	Value Added course on Ansys	TE	8 weeks
Sansheel Bhostekar	Pycode : python programming	TE	30 hours
	Introduction to ordinary differential equations	TE	--
	Ni-Multisim	TE	1 week
	Smart manufacturing by leveraging industry 4.0	TE	--
	Create informative presentations with google	TE	--
	Autodesk Fusion 360 integrated CAD/CAM/CAE	TE	1 week
	Introduction to digital manufacturing with Autodesk	TE	30 hours
	fusion 360	TE	--
	Workshop on robotics by pantech e-learning	TE	5 days
Saahiel Saawaant	3D Printing Software	SE	6 weeks
	AutoCAD Tool for Engineers	SE	5 days
	Basic Elements of Design: Design Principles and Software Overview	SE	3 weeks
	Graphic Elements of Design: Color Theory and Image Formats	SE	3 weeks
	Textual Elements of Design: Fonts, Typography and Spacing	SE	4 weeks
	Print and Digital Elements of Design: Branding and User Experience	SE	3 weeks
	Spring boot Framework in Java	SE	2 weeks
Siddhesh Prasanna Lele	Spring Boot Framework In Java	SE	2 weeks
	Finite Element Analysis	SE	11 weeks
	UAV-Design -NPTEL	SE	8 weeks

THANK YOU!



Compiled By:

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