RHAPSODY
EPOCH

T A B L E
O F
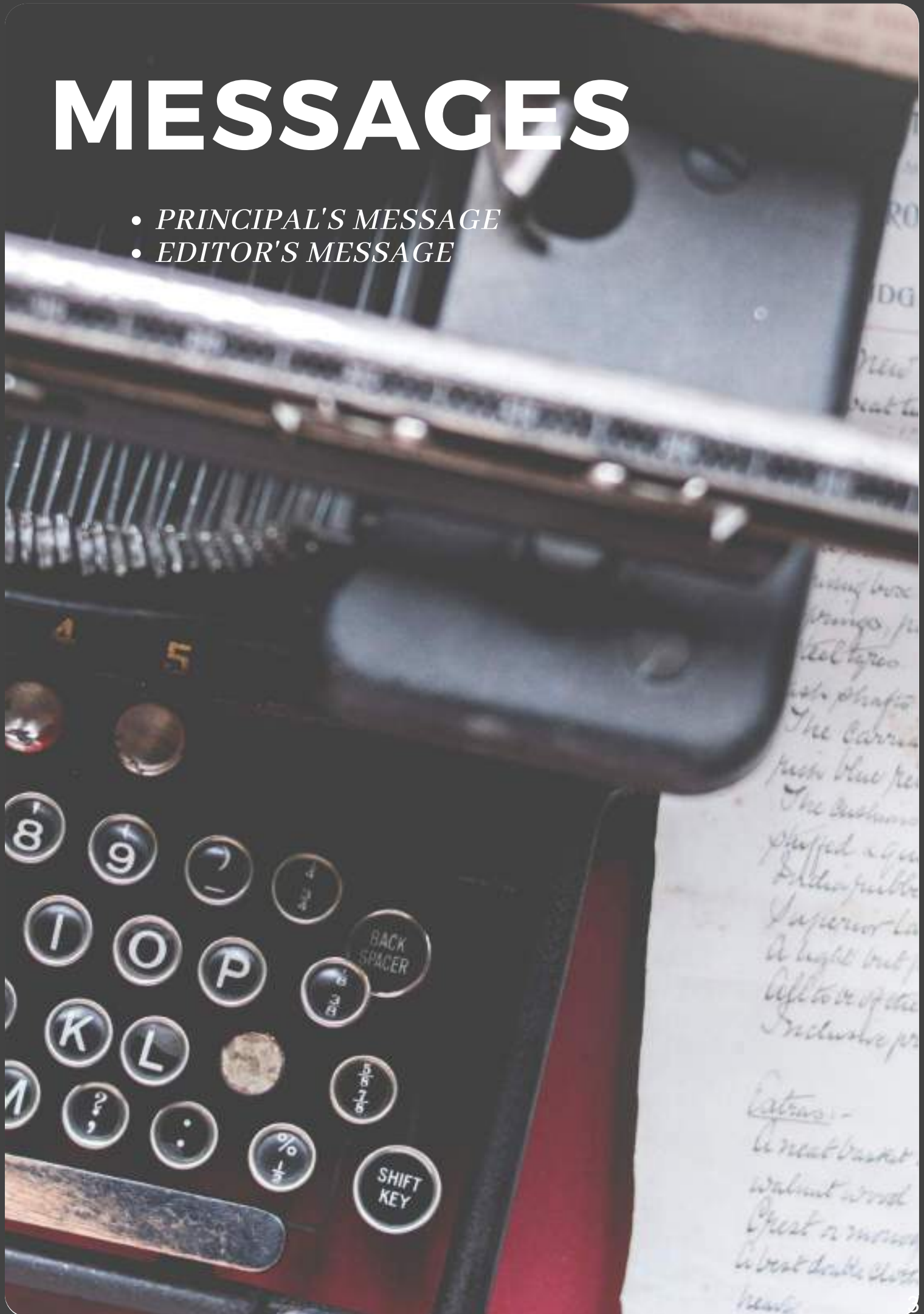# C O N T E N T S

MESSAGES

- *PRINCIPAL'S MESSAGE*
- *EDITOR'S MESSAGE*

PRINCIPAL'S MESSAGE

Dear All,

We opened full time on 18th of October and hope to resume in all spirit as soon as the students join us. The past two years of the pandemic have been the most trying years of the Agnel history perhaps during which we have strived to keep ourselves going in the same fashion as we would during the normal times. Adapting to the hybrid mode of teaching is not easy and we are all prepared with proper infrastructure and skill to take the plunge. Meanwhile our e-newsletter Rhapsody documents all that surpassed in the departments, clubs and otherwise.

Wishing you all a happy reading time...

- Dr.S.M. Khot,
Principal, Fr. CRIT

EDITOR'S MESSAGE

Dear Readers

This issue of the e-newsletter brings to you some mature experiences and fresh outlooks towards life in general and the academics in particular. In all it shows a way to survive in the very adverse pandemicated environment when masks have become a part of the official attire and social distancing a necessity.

Agnels has always been a place for workaholics, to walk an extra mile is its inherent nature. In the past six months it has swiftly maneuvered to online-offline mode, prepared its staff and students to adapt from one to another and started some new ventures and consolidated on some of the older. In this issue of Rhapsody, we showcase the academic and creative work of the Agnelites, including some of the best efforts by the faculty and the students to turn the situation around to our advantage.

Wishing you all a happy reading time.

- Tuhina Bose
Editor-in-Chief - Rhapsody

COVER STORY
2021

Coverstory 2021

"In the experimental sciences, the epochs of the most brilliant progress are almost always separated by long intervals of almost absolute repose." — François Arago

About a year ago, we were caught off guard by the sudden announcement of a lockdown in the month of March, 2020. All the traditional ways of education seemed redundant. Online classes were the new normal. Online lectures gave students a chance to learn in their place of comfort and save travel time, but the virtual classrooms surely couldn't replace the amusement and hilarious moments shared by the peers in the offline setting. The Student Council of the years 2020 and 2021 FCRIT Vashi delivered the college festivals successfully, giving the students a chance to take a break from the rigorous academic schedule.

To promote overall growth of the students in Fr. Conceicao Rodrigues Institute of Technology, Vashi ETAMAX is conducted in the even semester and FACES in the odd semester.

ETAMAX

The theme of the 2021 edition of the event was "Esperanza", an attempt to cheer up, spread hope and symbolise the beauty of oneness. ETAMAX was scheduled from 24th to 26th February, 2021 on the online Microsoft Teams platform following the rules and regulations put up by the government. The inaugural ceremony was addressed by the General Secretary of Student Council 2021, Mr. Dylan Pinto, followed by the events scheduled for day one.

ETAMAX not only entertains pupils, but also gives them a chance to discover their latent abilities through a variety of unique competitions ranging through the field of technical, cultural and sports.

The cultural sector offered over 20 activities and competitions ranging from Yoga, Zumba, Singing, Fictional writing, Slam poetry, acting and many more. The cultural section's highlight was the Treasure Hunt, with a major purpose to showcase the participants' creative sides, overcome their social anxiousness and to demonstrate their skill. Usually every year the treasure hunt revolves around the college premises, this year the council decided to continue the tradition but with a twist of pdfs ! All the teams were given per set 10 pdfs, 9 locked with a key for each pdf that could be cracked with the help of the clues given and the last clue connecting to the next set of the hunt. The event was a huge success , appreciated by both the students and the teachers.


The technical events managed to cover not only webinars, hands-on workshops based on cumulative engineering prospective, but also an intra-college based Hackathon - "Hack It Out" with problem statements on Artificial intelligence, Machine Learning and Deep Learning. The 24-hour hackathon intends to test prospective engineers' ability to address off-the-beaten-path problems that they encounter in their daily lives.

Teams competed to see who would emerge triumphant by applying their knowledge, creativity, and talents to solving these difficulties and assisting them in gaining a far better understanding and the essential skills to deal with them.

The competitions conducted reminded us of the quote by Winston Churchil "Success is not final, failure is not fatal: it is the courage to continue that counts."
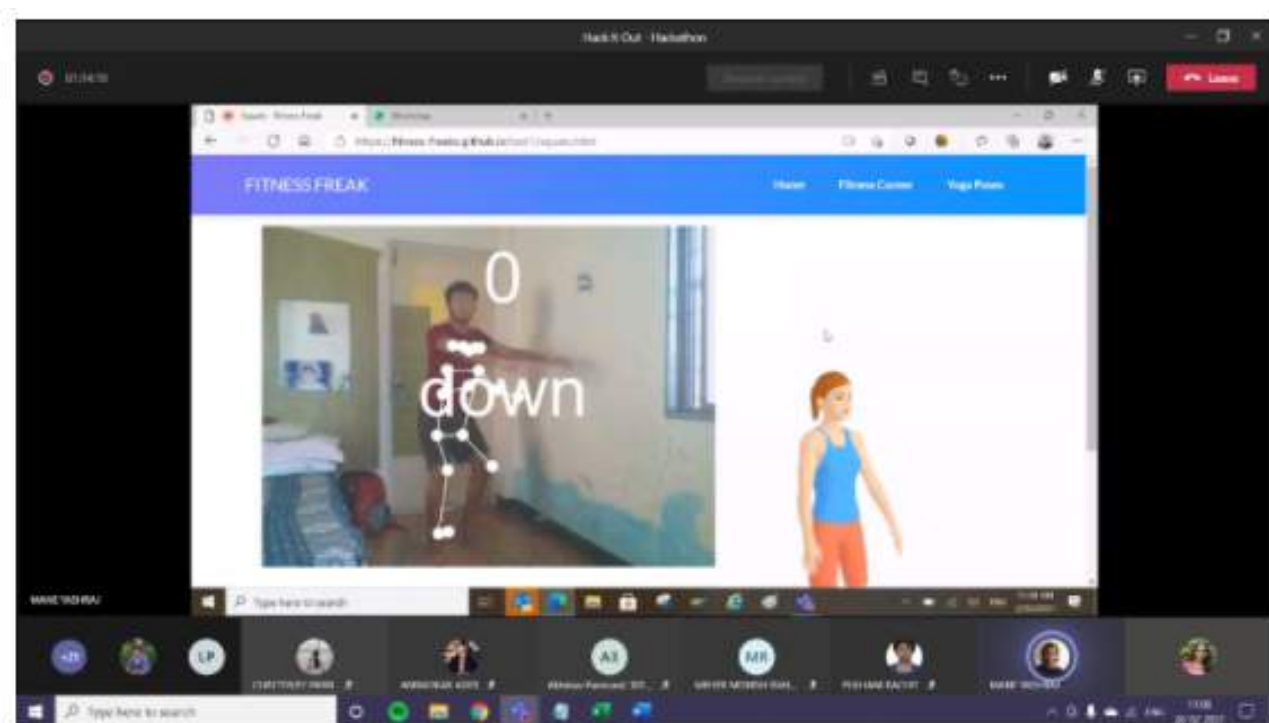
ETAMAX is incomplete without its fun and sports events, as the festival was conducted online, esports were the primary focus. Esports included Chess, Among us, Skribble, Rocket League, Call of Duty, Counter Strike and Valorant, whereas Skillshot and Beast Mode were monitored and judged on the basis of live video feed from the participants. Valorant gathered the most attention of all with 23 teams enthusiastically participating.

The fun events' major purpose was to instil in the participants a sense of healthy competition and teamwork. The goal was to encourage children to engage and to leave them feeling happy and excited at the end of the event.

-Aaditee D. Pate (Computer, Sem-5)
Agrima Kumar (Computer, Sem-3)

FACES

Our cultural fest, FACES, is a ray of hope and a stress buster from all the assignments and tests for the students of FCRIT marked early September this year. A flamboyant fusion of sports and cultural activities, FACES has always had something to offer each and every one and opportunities for all to shine. With the ongoing pandemic, the majority of the events were held online but with the same fervency as that of previous years. The theme for FACES 2021 was Orenda. Orenda is the ancient concept of uplifting the spiritual presence using the belief of an astral being. Faces being an annual sports event is nothing less than a big change, a moment of happiness in this world of soul-diminishing pandemic pain. With Orenda, we wanted to bring back normalcy to this bland time in our lives and to add spice to it while providing motivation to do more than just ourselves. A theme that surely kept up the enthusiasm for the three-day gala! FACES was scheduled on the 2nd, 3rd and 4th of September.

The inception of FACES was marked by the inauguration ceremony, which was held offline and streamed to students live via YouTube. The student body present for the ceremony was addressed by the Principal, Dr. S M Khot and the Head of various Departments, Dean of Student Affairs Dr. Bindu S., faculty members as well as by the General Secretary of the Student Council 2021-22, Ms.Celine Fernandes. The cultural events consisted of a variety of competitions such as Dish Plating, Fastest Hand First, Fastest Hand First, Strokes of Beauty, Meme War etc.

which were conducted in order with the COVID-19 guidelines. Apart from the plethora of events being offered, Workshops on Zumba, Self-Growth and Stocks Talks were also organised.

The sports events held this year were definitely a little different from the norm but still saw humongous participation. Some of the events were Valorant, Scribble, Among Us, Call Of Duty etc. and were very well received. Lastly, FACES wrapped up with the much-awaited events of Chord Battle, On-Spot singing and the DJ Event held offline which was streamed for everyone via FCRIT Vashi's official channel.

The events would not have seen the light of the day and would not have been successful without the Council Members, the OCs of both the years 2020-21, 2021-22, who worked day in and day out tirelessly, the faculty of our college and most importantly the active participation of the student community.

-Agrima Kumar (Computer, Sem-3)
Aaditee D. Pate (Computer, Sem-5)

COMPUTER ENGINEERING
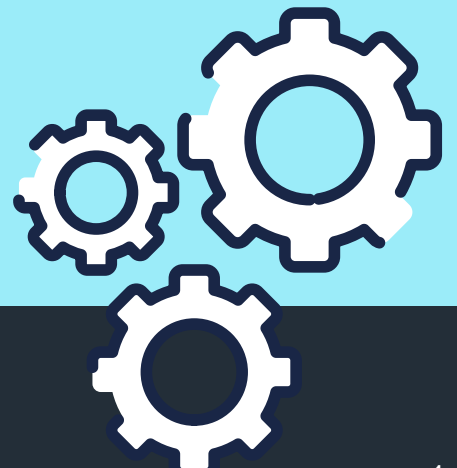
CSI Events Activity Report

"Education is not the filling of a pail, but the lighting of a fire."
                                                                    -W.B Yeats

The Department of Computer Engineering firmly believes in the holistic development of its students. To hone the skills of the students and facilitate them with a window to the corporate world the Department of Computer Engineering in concomitance with CSI Chapter of FCRIT Vashi organised several events for the students.

</>   CODEBASH

The Computer Department of FCRIT Vashi constantly aims at cultivating a culture of software entrepreneurship and developing coding skills among students. In its relentless pursuit of grooming students to acclimatize to the professional environment, the CSI chapter of FCRIT Vashi organized its first event for the academic year 2021-22, CodeBash 2k21, an intercollege coding competition on HackerRank Platform. The students were encouraged to participate in the contest irrespective of their branches/semesters. The students were provided twelve questions of varying difficulties to test their programming mettle and showcase their prowess.

After two gruelling hours of coding, Mr Archit Bhonsle of Fr. C. Rodrigues Institute of Technology (Dept. of IT) topped the leaderboard, while the Runner Up position was secured by Mr Abhinav Thakur of Fr. C. Rodrigues Institute of Technology (Dept. of Computer).

The event concluded with the declaration of winners and a vote of thanks by CSI Convener, Mrs Shweta Tripathi.
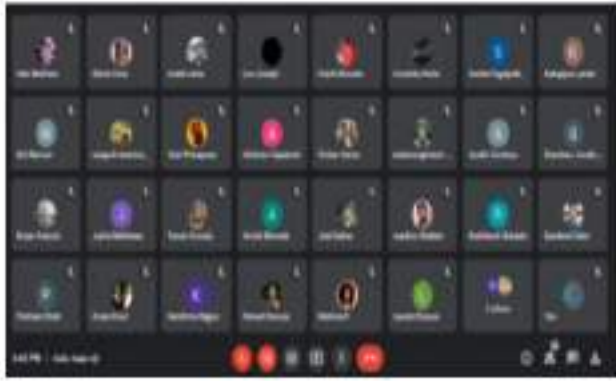
TECHDEBATE

The CSI chapter of FCRIT, Vashi organized its first Techno-Cultural event TechDebate 2k21 on August 28, 2021, on Zoom. Total 9 teams of two from all over India participated in the event. The debate was conducted in a knockout format where two teams faced off each other, debating on the given topic. Two rounds and one final round (total 7 matches) were organised.

Each match went as follows: A coin toss was conducted by the Moderator, the team that won the toss got to decide whether they went against or for the topic, the team that lost the toss got to choose whether they went first. Both teams got a total of ten minutes to research the given topics. Each member of the team was given five minutes to speak, after every member's turn the opponent team was allowed to ask a maximum of two questions and then the next team member followed with their argument for the next 5 minutes after which the opponent team were again able to ask at most two questions. This was done for both sides of the topic.
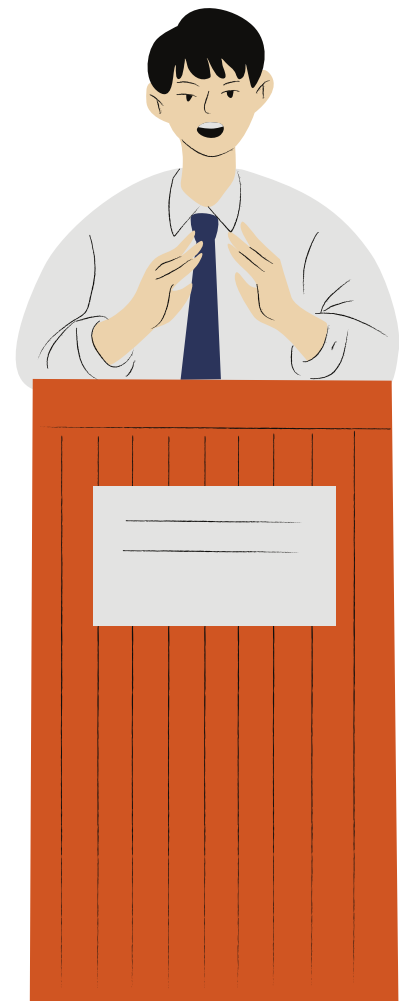
The judges for the event were:

- Mr Jagbir Singh
- Dr Ashwini Kothrashetty
- Mrs Tuhina Bose
- Mr Rahul Jadhav
- Dr Mary Francis
- Mrs Aparna Nayak
- Mrs Megha Kolhekar

The teams participating were:

1. Team Poseidon (Abhinav Thakur, Mahima Rudrapati) from FCRIT, Vashi
2. Team Knightmare (Pratik Lomte, Neha Mandelkar) from FCRIT, Vashi
3. Team Gobstoppers (Pragya Jha, Akash Sharma) from Maharaja Agrasen Institute of Technology, New Delhi
4. Team Dominic and Ayan (Dominic Chettiar, Ayan Bandyopadhyay) from FCRIT, Vashi
5. Team Gayathriabi (Gayathri S, Deepika S) from Sree Sastha Institute of Engineering and Technology, Chennai
6. Team Terminators (Ramey Tehare, Himanshu Rathore) from VIT AP
7. Team Mathdebaters V2(Reuben Anil, Aayush Dighe) from FCRIT, Vashi
8. Team GD (Sanskruti Gharat, Sayali Dongre) from FCRIT, Vashi
9. Team Pranau Viraj (Pranau Singamsetti, Kurra Saiviraj) from VIT AP

Team Poseidon (Abhinav Thakur, Mahima Rudrapati) from the Dept. of Computer, FCRIT Vashi won the competition while Team Knightmare(Pratik Lomte, Neha Mandelkar) from the Dept. of EXTC, FCRIT Vashi secured the Runner Up position. The event was concluded with a vote of thanks from CSI Convener, Mrs Shweta Tripathi.

CRYPTEX

AI/ML Workshop

The Workshop conducted over a period of three days was mainly engrossed on the Introduction to Machine Learning and its types, with libraries like Numpy and Pandas along with some algorithms.

Objectives:
1. Overview of Machine Learning and its types
2. Data pre-processing in ML
3. Introduction to python libraries like Numpy and Pandas
4. Mathematics behind Linear Regression
5. Working of Logistic Regression Algorithm

DAY 1:

a) Instructors: Gregory Geevarghese, Kalliapan Yadav.

b) Time duration: 5:30 PM – 7:30 PM.

c) Topics covered: Data pre-processing, Numpy, Pandas.

d) Session Flow: The workshop began with explaining how Machine Language works and the importance of data. The process of transforming raw data into an understandable format was explained in a very simple manner. The participants learned to use the Numpy and Pandas libraries in python. The session ended with a fine doubt clearing session.
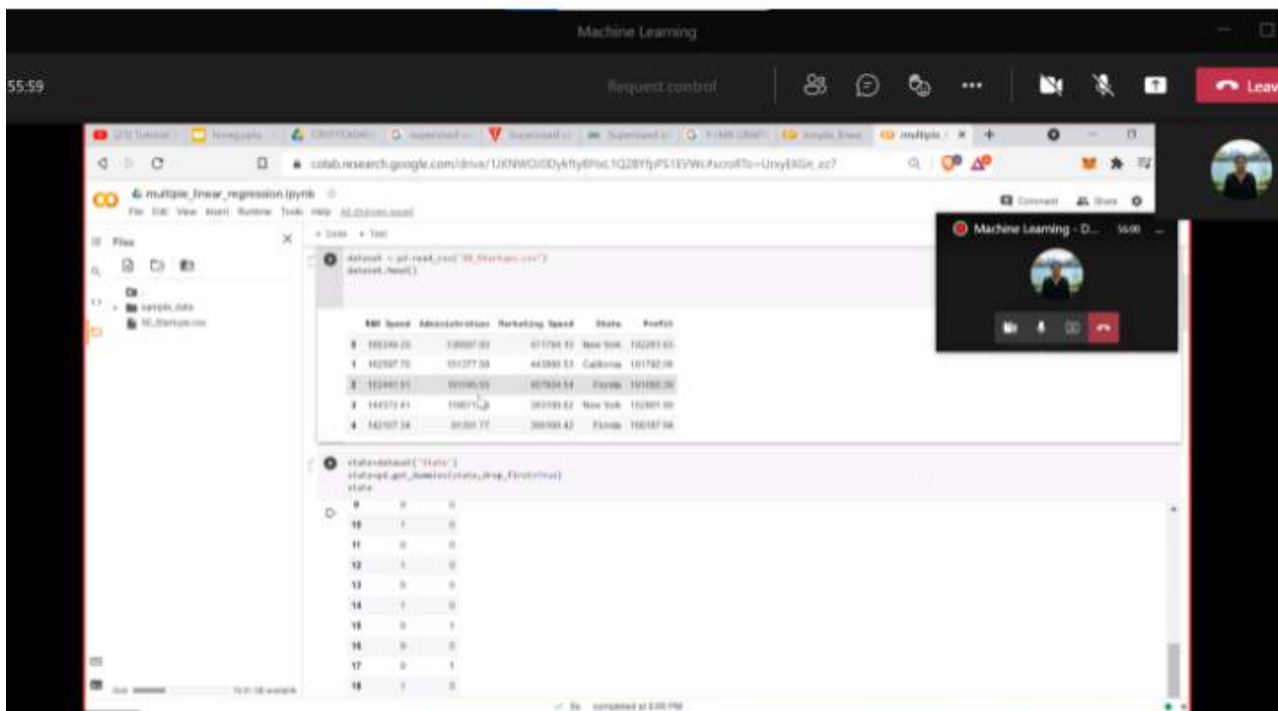

DAY 2:

a) Instructors: Gregory

b) Time duration: 5:30 PM – 7:30 PM

c) Topics covered: Types of Machine Learning, Linear Regression Mathematics, Problem Solving.

d) Session Flow: The session started with the instructor explaining the various types of Machine Learning and their applications. This session was more focused on the Math part of Machine Learning. The participants were made to realise how just learning the programming syntax is not enough and how important Mathematics is to understand Machine learning. The participants learned about linear regression, the math behind predicting and plotting on graphs. The day ended with a doubt solving session. The doubts of the participants were clarified patiently by the instructors.

DAY 3:
a) Instructors: Gregory, Kalliapan
b) Time duration: 5:30 PM – 7:30 PM
c) Topics covered: Logistic Regression Working, Problem Solving, Sharing resources, Quiz
d) Session Flow: Day 3 started by learning Logistic regression which is one of the classification algorithms. Doubts were cleared once the teaching was completed. A fun quiz was conducted by the instructors. It was an amazing quiz session with participants competing to get the first rank. The quiz helped the participants revise all the topics taught in the workshop. The answers of the quiz were discussed at the end of the session.
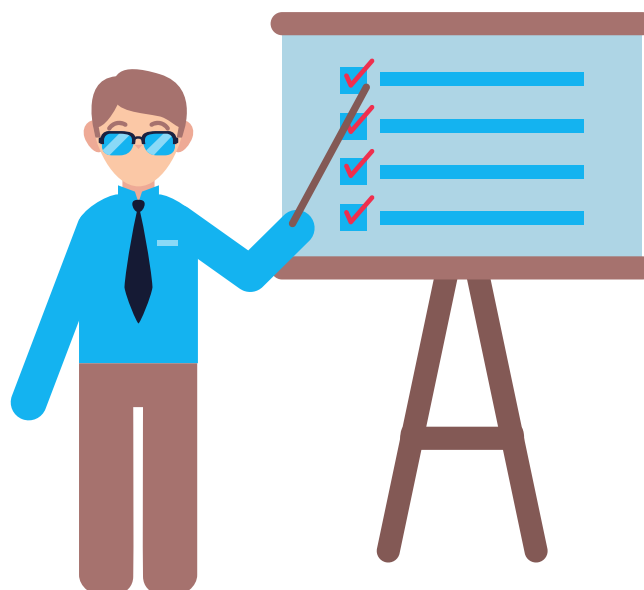
Python Workshop

The Workshop was conducted over a period of three days mainly engrossed in the Introduction to Python programming language, its various modules and object-oriented programming in python.

Objectives:
1. Overview of Python
2. Data structures in Python
3. OOP in Python
4. Regular expressions in Python

DAY 1:
a) Instructors: Aakash Yadav, Aaditee Pate
b) Time duration: 5:30 PM – 7:30 PM
c) Topics covered: Python basics, Data Structures
d) Session Flow: The workshop began with a basic introduction to programming in general. Then the instructors started with the basics of python and all its syntaxes for loops, conditionals. Data structures such as list, set, tuple, dictionaries were also taught with the help of various examples.

DAY 2:
a) Instructor: Aakash Yadav
b) Time duration: 5:30 PM – 7:30 PM

c) Topics covered: Functions, Math module and Regular Expressions

d) Session Flow: The session started with the instructor explaining the functions in Python. Recursive functions were taught as well. The instructors then moved on to a bit more complex concepts of object-oriented programming and its implementation in Python. Next the two important python modules i.e. the Math module and the Regex module were explored in detail. The students were then given a small project to use their knowledge of python and the regex module to build an email authentication program.
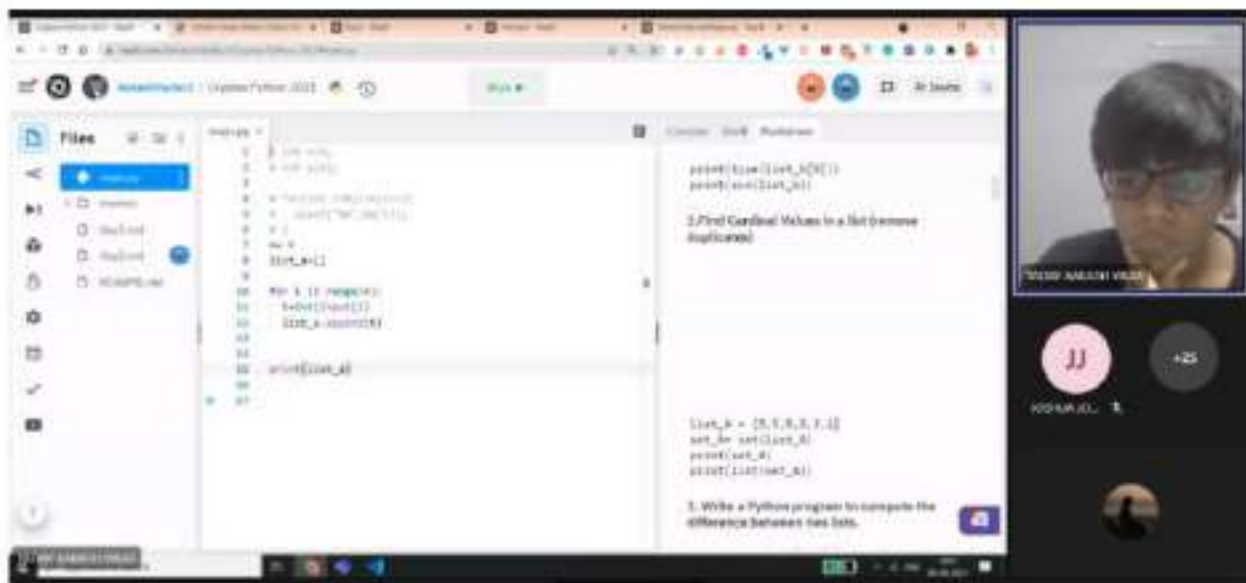
- DAY 3:

a) Instructors: Aakash Yadav

b) Time duration: 5:30 PM – 7:30 PM

c) Topics covered: Coding competition on HackerRank

d) Session Flow:

The third day of the workshop was dedicated to a coding competition held on Hackerrank where the participants had to put their python skills that they had acquired in the past two days to use and solve the problems in a time constrained environment. This encouraged the students to think critically and out of the box and also provided them with an opportunity to understand the basics of python better.
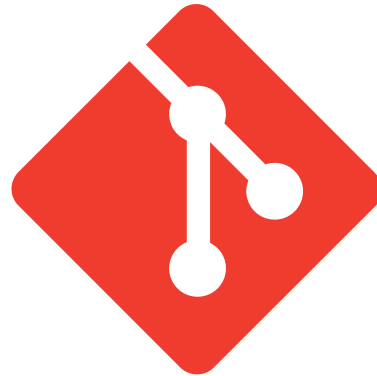
Flask Workshop

The Workshop was conducted over a period of three days mainly engrossed in the Backend Development, Flask Framework, Hosting on Heroku and basics of git.

Objectives:
1. Backend Development
2. Flask Framework
3. Hosting on Heroku
4. Basic of Git

DAY 1:
a) Instructors: Christopher John and Pratik Dhumal
b) Time duration: 5:30 PM – 7:30 PM
c) Topics covered: Backend Development, Basics of Flask
d) Session Flow:
The workshop began with a basic introduction to backend development. Then the instructors started explaining the use of virtual environments and later started with the basics of Flask. Installation and building basic flask apps were taught during this session.

DAY 2:
a) Instructors: Pratik Dhumal and Edwin Vincent
b) Time duration: 5:30 PM – 7:30 PM
c) Topics covered: Jinja variables, HTTP methods, Request Objects and Forms and Cookies
d) Session Flow:
The session started with the instructor explaining Jinja Variables. The instructors then moved on to HTTP methods followed by Request Objects, forms and cookies. All the concepts were thought using examples implemented live.

DAY 3:

a) Instructors: Christopher John, Trevor D'Costa and Edwin Vincent

b) Time duration: 5:30 PM – 7:30 PM

c) Topics covered: Hosting on Heroku, Basic of git

d) Session Flow:

The third day of the workshop began with the use of GitHub followed by basics of git like creating a repository, committing the code, etc. Later hosting the site on Heroku was taught to the students. This encouraged the students to build a dynamic website that will help them during hackathons, mini-projects, etc.
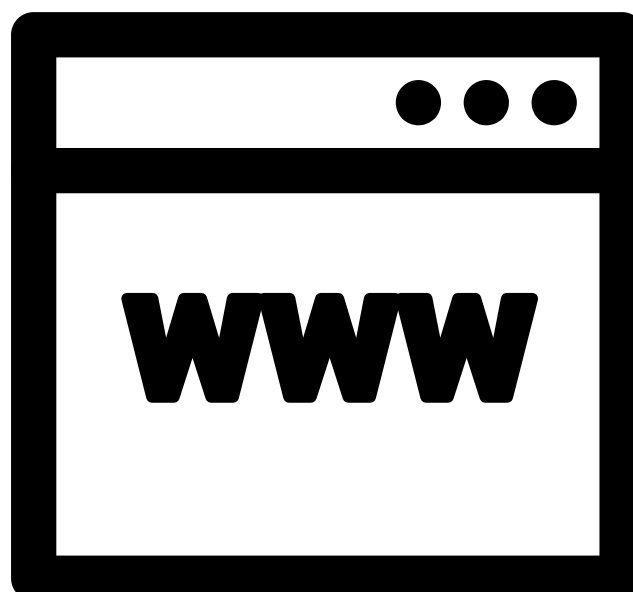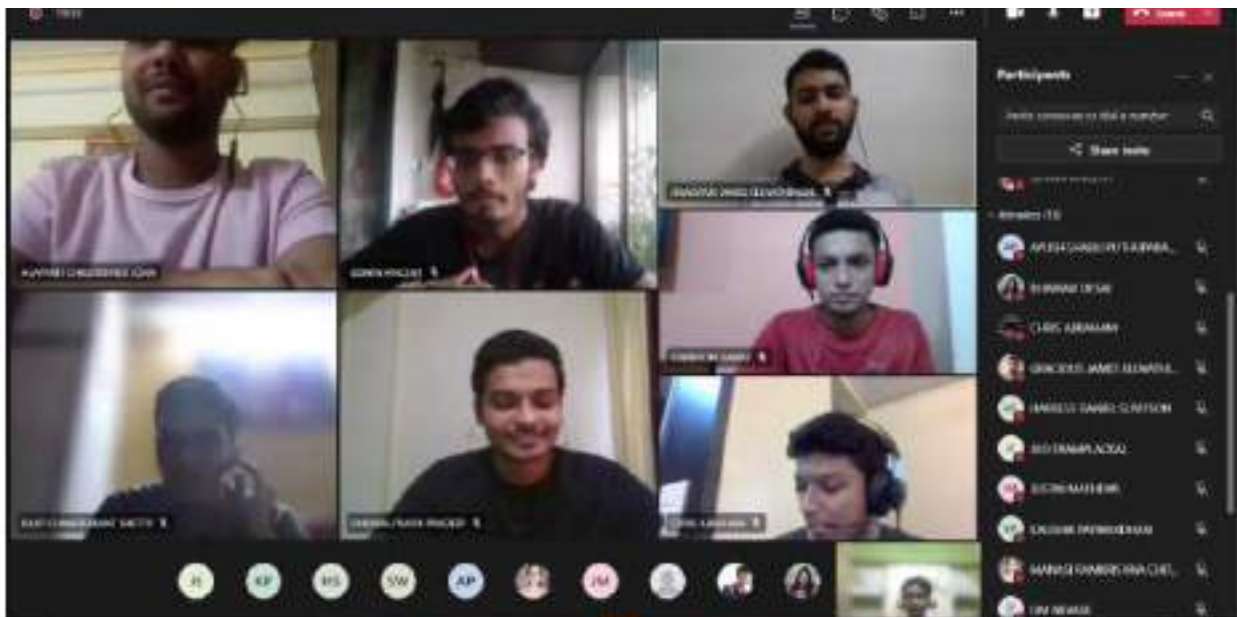
Cybersecurity Workshop

The Workshop was conducted over a period of three days mainly engrossed in the fundamentals of Cybersecurity, basics of Kali Linux, networking tools and vulnerabilities.

Objectives:
1. Overview of Kali Linux
2. Networking Tools
3. Bash Scripting
4. Vulnerabilities and their exploitation

DAY 1:
a) Instructors: Loukik Raina, Francis Anthony
b) Time duration: 5:30 PM – 7:30 PM
c) Topics covered: Introduction to Linux and Computer Network basics
d) Session Flow:

The participants were instructed to download Kali Linux on a Virtual Machine before the workshop began, assistance and resources were provided by the instructors if the participants faced any difficulties in installation. The workshop began with the instructors teaching the students about the basics of the OSI model and its seven layers as an introduction to Computer Networks. Then the basics of Linux such as basic terminal commands and networking commands were also taught.

DAY 2:
a) Instructors: Francis Anthony
b) Time duration: 5:30 PM – 7:30 PM
c) Topics covered: Basics of Kali Linux, Networking tools
d) Session Flow:

The second day of the workshop started with a guide to Kali Linux and its specific abilities that help in cybersecurity. The importance of Kali Linux in penetration testing and security auditing was explained with the help of examples. The participants were then asked to download Kioptics to understand the basic tools and techniques in vulnerability assessment and exploitation.

- DAY 3:
a) Instructors: Francis Anthony, Shashwat Reshme
b) Time duration: 5:30 PM – 7:30 PM
c) Topics covered: Shell scripting and vulnerability exploitation.
d) Session Flow:

The third day of the workshop was dedicated to understanding Kioptics better.The participants were first taught to find the kioptics login. The participants were then encouraged and guided to find the kioptics login themselves, Assistance was provided when the participants got stuck at any particular step of the process. The workshop concluded with a small quiz.

ACESS
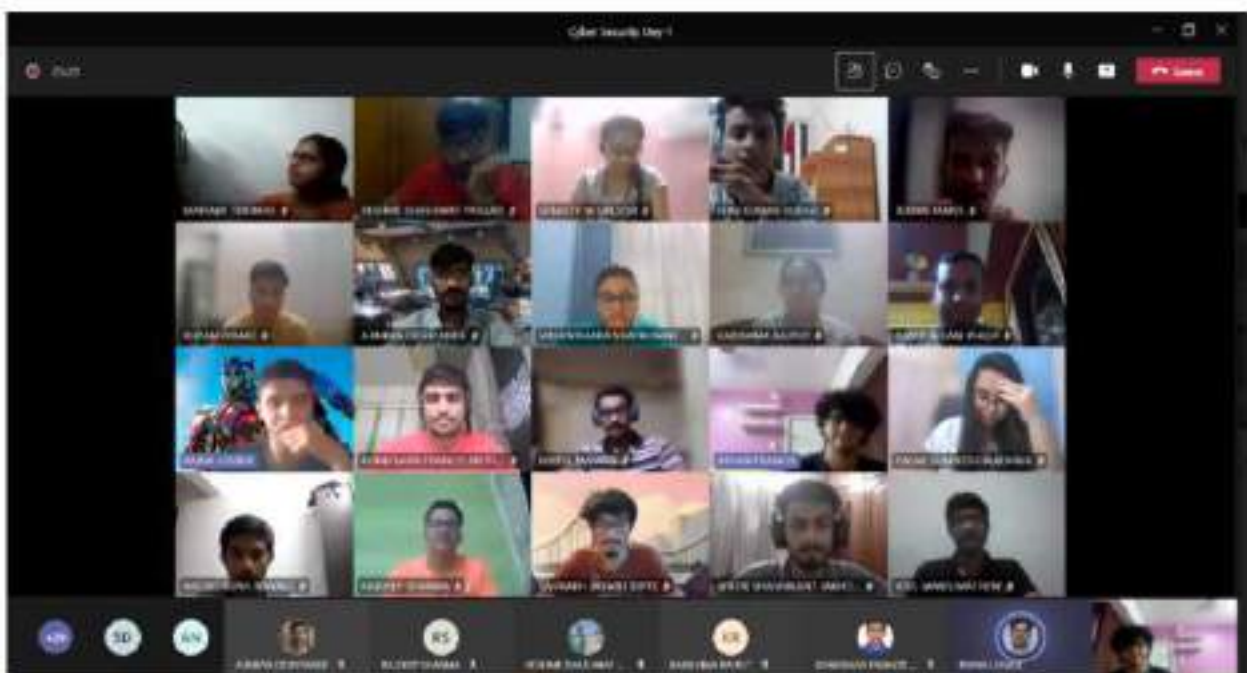
ACESS 2021 started with a holy note with the virtual lighting of the lamp along with the prayer song by Rhythm - Music Club at FCRIT. Then CSI President Ms Aaditee Pate welcomed all the participants, speakers and guests. This was followed by a video walkthrough of all the activities done by the CSI Council of 2021-22. The event included three major launches. First was the Official CSI Computer FCRIT Logo, ideated by Ms Elisha Gras and designed by Mr Richie Kishan. This was followed by the launch of the Official CSI Computer FCRIT website, developed by Mr Loukik Raina, Ms Anushka Amte & Ms Elisha Gras. The third and final launch was that of the annual Departmental Magazine -Zephyr 2021.

The event then moved on to a keynote speech delivered by Dr Anjali Yeole and a brief speech from CSI Converner Mrs Shweta Tripathi.

Objectives
- Understanding IOT systems and the various security threats associated with them.
- Understanding the relation between creativity, innovation and entrepreneurship.
- Understanding Cybersecurity, Information Security and the various career options in these fields.
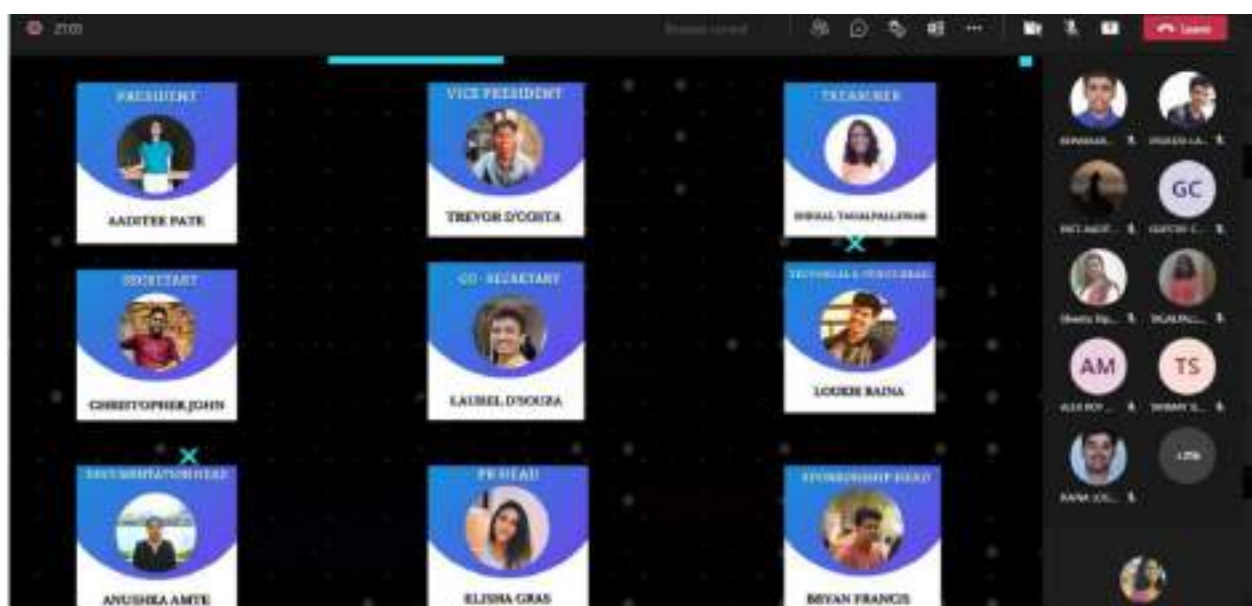
Session 1

1. Name of the speaker: Dr Anjali Yeole
2. Time Duration : 10:15 - 11:30 AM
3. Topic: IOT Ecosystem and security
4. Flow of the Session :

The webinar focused on IOT Ecosystem and Security. Dr Anjali walked us through the IoT ecosystem and captured the vastness of possibility and the rapidity with which it is expanding. A brief overview of IoT systems, protocol designs, attacks on IoT and the future scope of these technologies was provided.

It was very insightful to know how the IoT ecosystem could be shaped for building smart homes, highways, hospitals to smart cities. e.g. IoT devices are used in hospitals to keep track of key equipment; Several European cities are adopting the smart city model to achieve their goal of controlling pollution till 2030. We also looked at several case studies on the use of IoT by industry leaders. Covering how Rolls Royce uses Azure IoT Ecosystem to monitor their aircraft engines; How Schneider Electric uses it to monitor their remote energy management systems; How Sandvik Coromant uses it for monitoring their machinery and many more and was supplemented by a plethora of real-world applications.

The session also examined how academia and research organizations have contributed to the current state of IoT and offered conclusions for what is needed for the broad-based adoption and use of IoT. It ended with a demo of the Cooja Simulator, including guiding us in a simple Hello World exercise.

Session 2

1. Name of the speaker: Mr. Prasad Menon, CEO of Centre for Incubation and Business Acceleration (CIBA) Mumbai
 2. Time Duration : 12:00 - 1:30 PM
 3. Topic: Creativity and Innovation, Entrepreneurship
 4. Flow of the Session :
 The webinar started with the speaker discussing the differences between creativity
and innovation. The speaker proved with an example that innovation is the next step after creativity.

The webinar continued further as the speaker explained the types of motivations. The differences between extrinsic and intrinsic motivation were made clear by the speaker. Emphasis was made on intrinsic motivation and how it helps with bringing out the creative aspect of a person. Mr.Menon also advised the audience to imbibe a culture of innovation and how one should always try to look for opportunities for better innovation.

 This was followed by a small activity by Mr Menon so that the students understood different
perspectives related to creativity. The speaker took enough time to explain each and every perspective related to creativity and also gave his personal insights. The concept of innovation was further brought into the limelight by a real-life story that was shared by the speaker.

Thus in the first hour of the webinar, Mr.Menon ensured that the topics of creativity and innovation are cleared well for the audience and also that the audience take motivation in cultivating an innovative mindset.

In the last half an hour, the speaker opened discussion about Entrepreneurship. Mr. Menon shared information about the Centre for Incubation and Business Acceleration (CIBA) where he holds the position of CEO. The talk continued further as the speaker went on to make the audience realise how entrepreneurship is important for the development of our country. The speaker also took time to explain the types of entrepreneurs. By sharing real life examples Mr.Menon explained how demand is important before bringing out a new innovation . A brief Q&A session started at 1:20 where questions related to difficulties faced while starting a new business were discussed.

The webinar ended with the speaker beautifully connecting the concepts like creativity, innovation and Entrepreneurship and how all the three when together can provide a successful career path.

Session 3

1. Name of the speaker : Mr. Sanil Nadkarni
2. Time Duration : 2:00 PM - 3:15 PM
3. Topic : Career opportunities in information security
4. Flow of the Session :
The session started with the speaker providing a short introduction about himself and an introduction to cyber security. The speaker gave the background of cyber security and as everything is digitalised, cyber security has become very important globally. Further, objectives and goals of cybersecurity were explained giving more knowledge of what exactly cybersecurity, information security and network security is.

In detail, the three security goals- confidentiality, integrity and availability were interpreted with examples and network security basics were explained. Then, the speaker put in the picture of application security and its testing categories and tools used to shield the app.
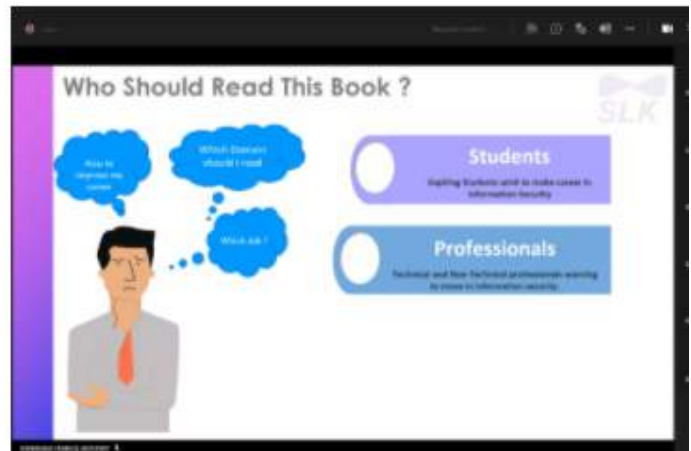
Threats and vulnerabilities were introduced and were explained with examples to differentiate it as today cybersecurity threats are increasing so identifying the vulnerabilities and threats has become necessary. Common types of vulnerabilities like missing data encryption, bugs, buffer overflow, SQL Injection, weak passwords, etc were mentioned. And gave a brief about the aftermath of cyberattack management and ways to handle it to limit the damages.

The session became more interesting as the speaker talked about cybercrime and cyber law as it is a borderless environment. An attribute of virus dissemination, cyber terrorism and software piracy was given.

The speaker concluded it by giving insights about the book he published titled 'Fundamentals of Information security' which gives a practical guide to build a successful career in Information security and gave details about his blog and linkedin profile so that the students can contact and interact with him in future. A small Q&A session took place where the speaker cleared and answered the doubts and questions asked respectively.

The event concluded with a vote of thanks by CSI Vice President Mr, Trevor D'costa.

Introduction to Engineering

The Computer Department of FCRIT Vashi conducted a webinar for the second year students of the Computer Dept. titled 'Introduction to Engineering'. The webinar served as an interactive session for the student where the speakers for the day Mr. Noel Pudussery and Ms. Srividya Inampudi recent alumni of FCRIT(Computer Dept.) interacted with the students.The event started with a brief introduction from CSI Convener Mrs. Shweta Tripathi. The event was divided between the two speakers. First Mr. Noel, who works for LTI as a GET, told the students about his journey of four years of engineering in FCRIT. He walked the students through the world of campus placements and how one can start preparation for the campus placement process right from the second year. The students kept the session interactive by asking questions about placements, projects and interviews. Next we had Ms. Srividya, who is currently pursuing her MS from Columbia University in the US. She narrated her experiences at FCRIT during her years. She then helped the students to get to know the process behind higher education applications for universities abroad, ranging from talking about SOP's, LOR's and the interview process. The students asked questions about resources to study from, which exams to prepare for, and what goes on making a good SOP.

 The event concluded with a vote of thanks from Ms. Elisha Gras and Snehal Tagalpallewar.

INFORMATION TECHNOLOGY
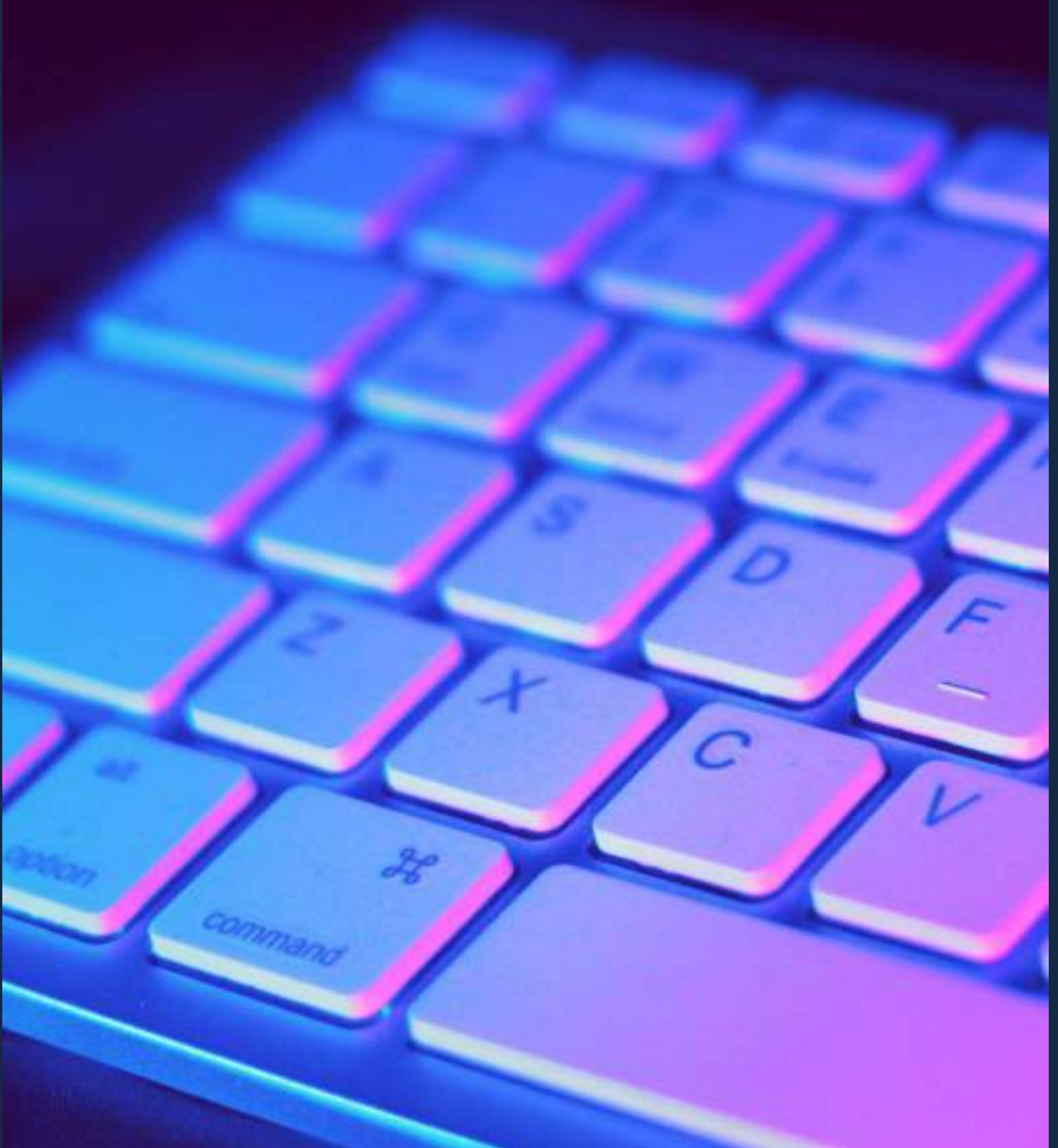
CSI- TECHNOVATION

From August 30th to September 2nd, the IT department under CSI held 'Technovation 2021'. This event fascinated everyone for it gave an opportunity to everyone to gain new knowledge about developing technologies as well as a platform for attendees to demonstrate their abilities.

Day 1

The date of technovation was set for August 30, 2021. Workshops on data visualization and Android development were held on the first day.

Parth Phalke led the workshop on data visualisation. This workshop gave information on the importance of topics such as data science and data visualization. The session on Android development was led by Abhishek Yadav and Swapnil Deshmukh. This session addressed fundamental subjects such as an introduction to Android and application development. On the same day, the technical quiz ('C language') was held. The quiz featured a number of coding-related questions. These workshops took place between 3:30 and 5:30 p.m.

Day 2

The workshops on Machine Learning by Shubham Chitnis and System Design 101 by Hritesh Sonawane were held on the second day of the programme. Each session taught participants the fundamentals of a specific topic.

A treasure hunt was held on the same day. A team of two was supposed to work together to solve riddles and collect clues for the following ones in this tournament. It was, without a doubt, a successful and enjoyable occasion.

Day 3

On September 2, 2021, Yashika Kuckian and Neha Bharambe led workshops on image processing and Srividya Subramanian led a workshop on Node.js. The speakers in the Image Processing workshop went over the fundamentals of image processing and operations on images in detail. The main goal of the Node.js session was to demonstrate how to create a REST API.

The 'Site Maker' contest allowed students to show off their web development skills. This contest requested competitors to create a home/landing page using HTML and CSS, as the name implies.

Day 4

A few sessions were successfully completed on the final day of technology. Swapnil Deshmukh presented a Power BI workshop that taught us the basics of the software. Vineet Kekatpure and Adishree Sane gave another workshop on neural networks, which covered the fundamentals of neural networks.

Coding is one of the most crucial abilities we require in the present and will need in the future. The CSI committee conducted a quiz called "Coding (Tricky question)" to help enhance our knowledge.

Because of the organisers' unwavering efforts and the IT department's steadfast assistance, this was genuinely achievable. All of the participants were able to demonstrate their abilities and gain new skills, preparing them for a brighter future.
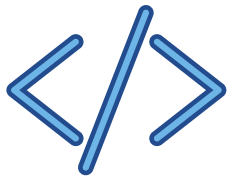
AITSS SEMINAR

On September 18th, the CSI-AITSS seminar was held. Neha Bharambe, the president of the CSI, addressed during the ceremony. Prof Dhanashree Hadsul gave a welcome speech to commence off the event. She greeted everyone with pleasant words of encouragement and gave them an overview of the IT department. The release of the departmental magazine "Ephemeral'21" was announced at this event.

The event's narrator congratulated all of the "Summer Project 2021" winners. In addition, the PRAP-Plastic Recycling Awareness Program's success was highlighted. This was done in order to raise student awareness. This event was well-attended by the students. They came up with creative ways to recycle garbage and create eco bricks. The CSI committee hosted Technovation 2021 this year. Workshops and contests were held under this event. The presenter congratulated all of the contest winners and thanked the workshop organisers for their efforts.

In addition, the seminar was separated into two halves. Dr. Arindam Chaudhari (NMIMS University Mumbai) spoke on "Artificial Intelligence and Machine Learning" in Session 1. AI is a fascinating topic for students, although it may be confusing at times. This event provided students with a basic understanding of the subject. The speaker gave us an overview of how AI is used in industry on a daily basis. With the help of different examples, the overall concept of machine learning was effectively taught. This session provided a clear and basic overview to Artificial Intelligence and Machine Learning. Ms. Marisha Shah and Mr. Rashimn Pulekar (The Art of Living Faculty) spoke on "Mastering Your Emotions" in Session 2. Students who are under a lot of stress frequently lose control of their emotions. Both presenters led us through the process of managing stress and taking control of our emotions at this session. They taught students how to do a variety of breathing exercises to help them relax. They also went through the long-term benefits of these workouts and meditation with everyone.

Overall, the students found this seminar to be very helpful. They were able to learn about future technology as well as how to control their thoughts. A warm congratulations to all of the winners once again.

EXTC

Techie Bytes 2.0

"Every epoch dreams of its successor."

-**Jules Michelet**

Each day as we progress, we take a step forward to make ourselves better men. But with time, we understand the steps we need to take to clear our vision and motivate ourselves to achieve the same. To keep up with this changing world, with the proper guidance and assistance of the HOD of the EXTC department, Dr. Milind Shah, and the teacher-in-charge, Mrs. Sneha Revankar, the students of the IETE-ETSA club conducted Techie Bytes 2.0. The events were as follows:

Date: September 7, 2021
Phase 1: Time - 10.30 am to 1 pm

Event 1 - Equivocal 2.0

The event consisted of four rounds. Each round was different and tested the awareness and consciousness of all the participants in the present world. Initially, a team of two was formed. For the first round, the teams were shown three videos and then they were asked to solve a quiz based on the observations they made while they watched the video.
Round 2 demanded more coordination between the team members. The main objective of the game was that one of the members had to guess the word by clues given by the other members, with one condition as a twist to the game - he/she could only use gestures to provide the clue for the three words provided to each team. Round 3 was an extempore where all the selected students had to speak for two minutes. The last round was a technical debate and teams of two students were paired by a coin toss.
In the end, Meenal Tiwari and Rishi Ratari got solid gains against their opponent team consisting of Yash Mistry and Shinjani Mishra.

Event 2 - Brainbrawl 2.0

"Wisdom is not a product of schooling but of the lifelong attempt to acquire it."— Albert Einstein

The above quote well echoes the event. Initially, teams of 2 were formed. For the first round, the teams had to solve a quiz based on various technical domains. For the second round, the teams had to execute various simulation tasks and submit the results for evaluation. The third round was conducted on the Mentimeter platform.

To spice up the event, students were encouraged to use modern software tools such as Octave, LTspice, Autodesk Eagle, Pycharm, etc., to complete the task allotted to them.

The team that won the event was Monish Meher, Vedant Deshmukh, Shivam Kumar, and Jidnesha Kharkar. The Runner up team consisted of Payal Chatterjee, Shrudhi Chaudhary, and Shivali Dhanji.

Round 3 results

Phase 2: Time - 2 pm to 4.30 pm

Event 1- Codigo 2.0

"Clean code always looks like it was written by someone who cares."
— Robert C. Martin

This quote turns out to be true when people with true passion for coding compete against each other to come up with best possible solution for the problem. The event Codigo was meant to do so. For contesting in the event, teams of two students were required. The event had three rounds.

Round 1 was a simple quiz-based stage with questions from python and C++. Round 2 and 3 were conducted on the platform Hackerrank.

For rounds 2 and 3, the teams had to complete the solution for the given problem in a stipulated amount of time. Round 2 had simple questions based on the implementation of patterns in both the languages i.e. C++ and python. Round 3 had a twist of its own. The problems were based on the Faro shuffle of cards and building a DAC using the code. The teams competed with each other till the very last second of the contest. But in the end, Suyash Mali along with his teammate Rushi Kadam snatched the winning position from the hands of Pratik Lomte and Sarvesh Mahajan, who stood at second place in the contest.

Winners of Codigo - Suyash Mali and Rushi Kadam

Event 2 - Frostcode

Sometimes, it is good to have something that is completely out of the box but can be really fun to engage in. This is what the event of Frostcode was meant to be. The event required teams of two.

The event had two rounds with each round having a different challenge. It was based on the esoteric programming language. To give someone a brief idea, it refers to a programming language design, as a proof of concept, software art or as a hacking interface to another language, or just as a joke. In both rounds, the participants had to encode a certain message in one of the given esoteric languages.

The first round involved Befunge and LOLcode, while the second round was completely based on Whitespace. The participants were given a limited amount of time to provide the encoded message string and had to show the proof of the same using the compilers provided by the organizers of the event. The event had several teams as winners. The names of all the winning members were Monish Meher, Dayesh Dongre, Vedant Deshmukh, Vansh Jain, Yash Mistry, Sayali Dongre, Harshada Nilakh, John Jerish, Payal Chatterjee, and Justin Mascarenhas.

Screenshot of Frostcode event.

Drishya
-a poster making competition

Date: September 18, 2021
Time: 11.30 am to 1.30 am

"Vision is a picture of the future that produces passion."
— Bill Hybels
The above quote goes well with the theme and the main motive behind the contest. To bring the creative vision fueled with enthusiasm for the future technologies, IETE-ETSA 2021-22 council organized a poster-making competition - Drishya. For the competition, teams of 3-4 members were required. The participants had complete freedom to make posters on different fields starting from the Internet of Things, Artificial Intelligence to various topics such as Cybersecurity, Data science and Quantum Computing.
Each team was asked to prepare a poster based on a particular domain and during the event, the teams were asked to present the poster in front of the audience and the judges. They were given a limited amount of time to present following which the judges would ask questions to each team member, based on the domain they had picked. The posters were judged based on the use of graphics, the information presented by the teams, and the way in which they presented their poster to the judges and the audience.
For the event, Dr. Pranali Chaudhari and Dr. Savitha Upadhya were the judges who guided the students on how they can improve their posters and presentation skills. Each team gave their best to exhibit their knowledge and creative skills. But, the performance of team DMPP with team members Devanshi Singh, Monish Meher, Pratik Lomte and Prathamesh Talekar blew away everyone's minds with their impressive poster on Computer Vision. Coming in second place, team Noob Entity with team members Rishi Raturi, Rohit Mauryaand Dayesh Dongre presented a great poster on Cybersecurity. The event was a great success which all the participants and the audience enjoyed and it was because of all the hard work that the committee of IETE-ETSA had put in for its efficient conduction.
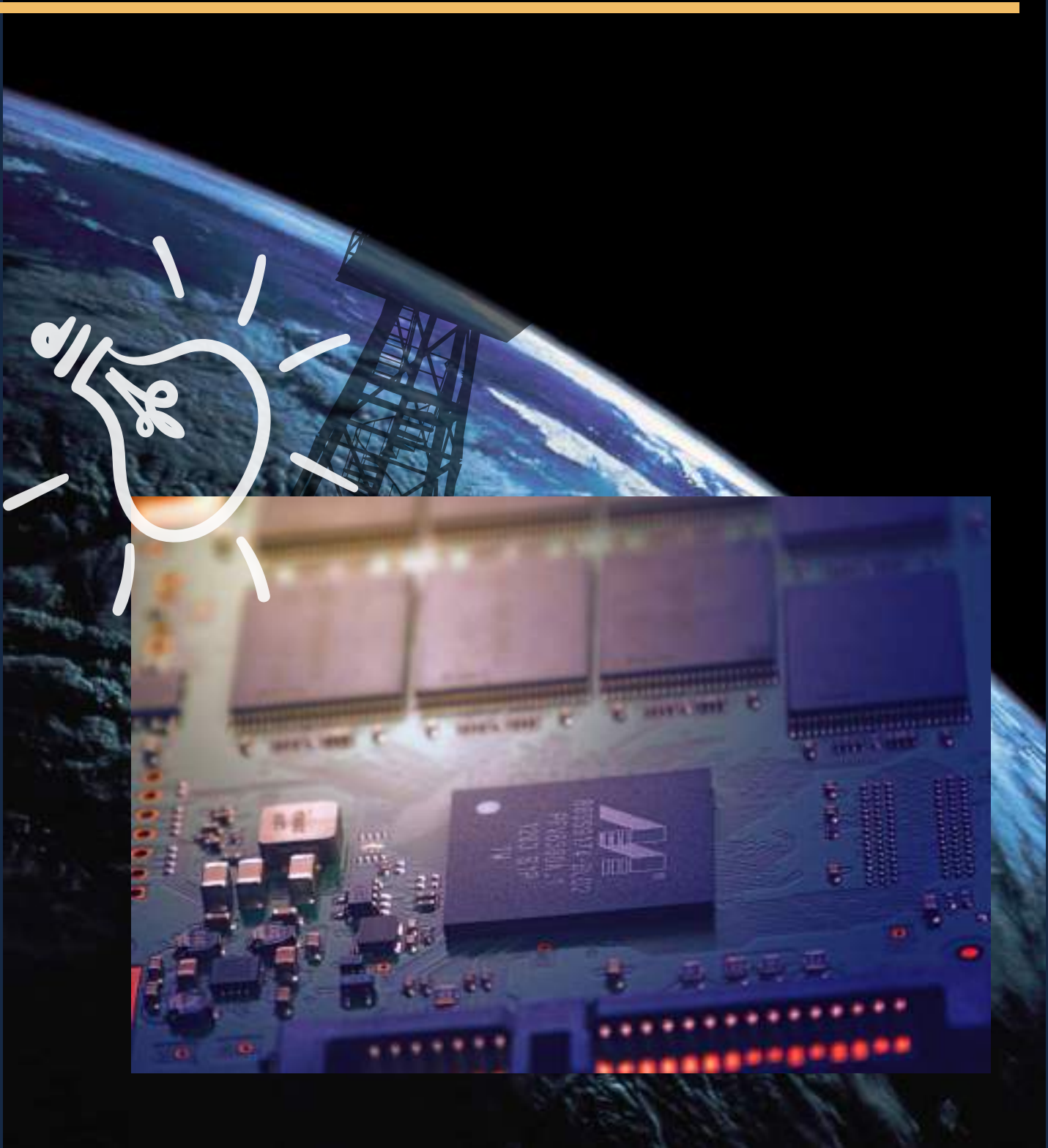Poster submissions by the winning teams:

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2.
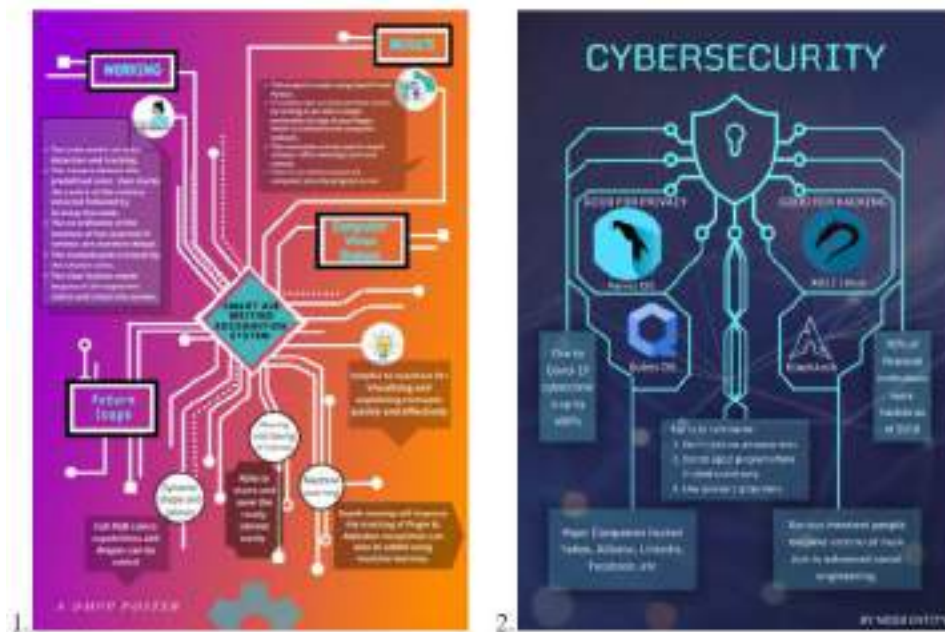
Screenshot of the events:
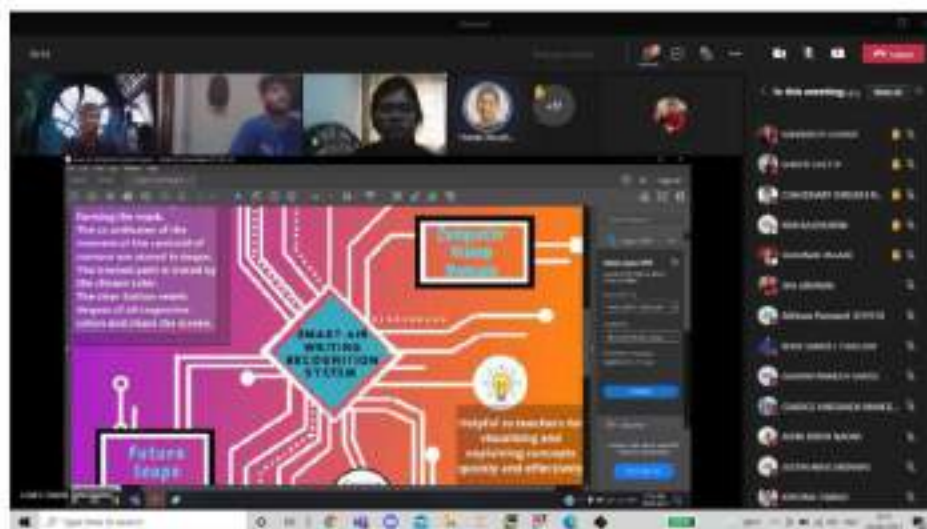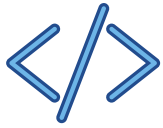
Electrical Engineering

# IEEE

Healthcare 3.0

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IEEE FCRIT organised a webinar on "Healthcare 3.0" on 18th February 2021 on Google meet and the same was attended by students of FCRIT and other colleges. The webinar was conducted by the speaker Mr. Ashish Wani who is an experienced electronics engineer with a wide range of projects in embedded systems, sensor interfaces, motion control etc. He has been the embedded engineer and project management assistant for Voler Systems which designs medical devices, embedded systems etc.
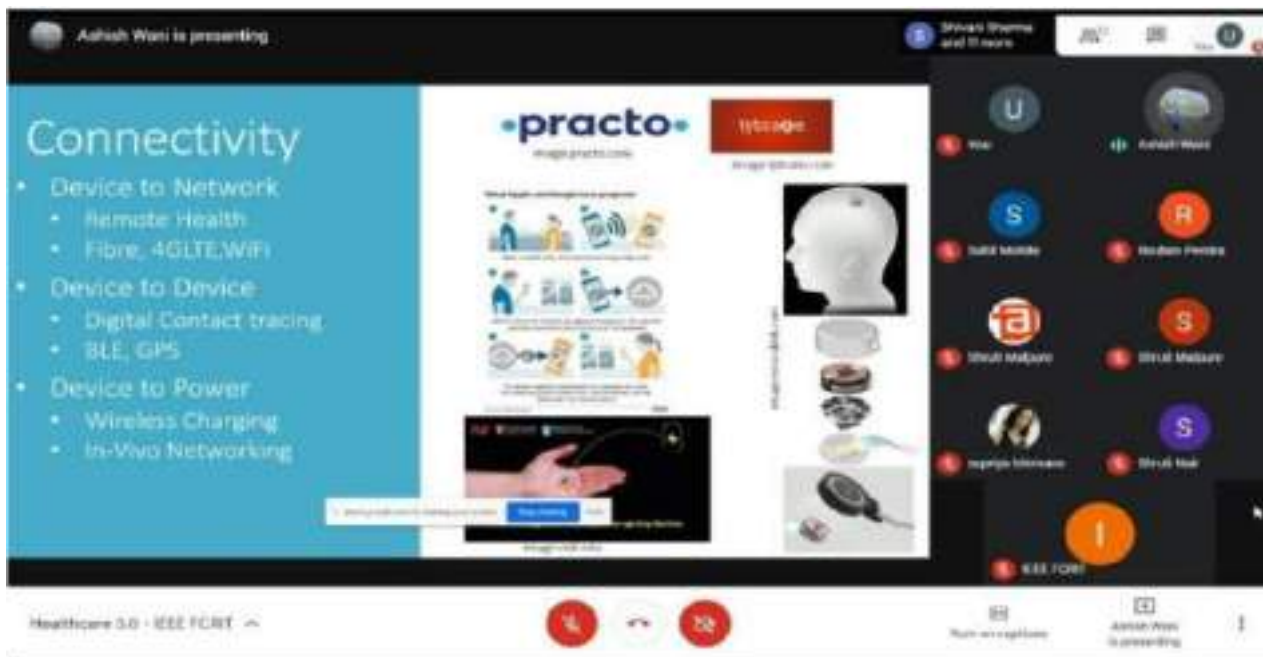
He began the webinar by portraying a broad overview of the healthcare technology landscape that he has witnessed. He brought out the history of the field talking about Healthcare 1.0 which has a limited amount of awareness, resources and technology. He further spoke about today's healthcare technology (Healthcare 2.0) where we see the emergence of large hospitals, pharmacies and the patient awareness is also higher. Mr Wani introduced us to healthcare 3.0 which is the evolutionary future of the industry and a connected digital healthcare infrastructure builds active patient participation in data sharing and prevention measures. He classified it further into sub types such as bio-electronics, automation, connectivity, intelligence and information sharing.
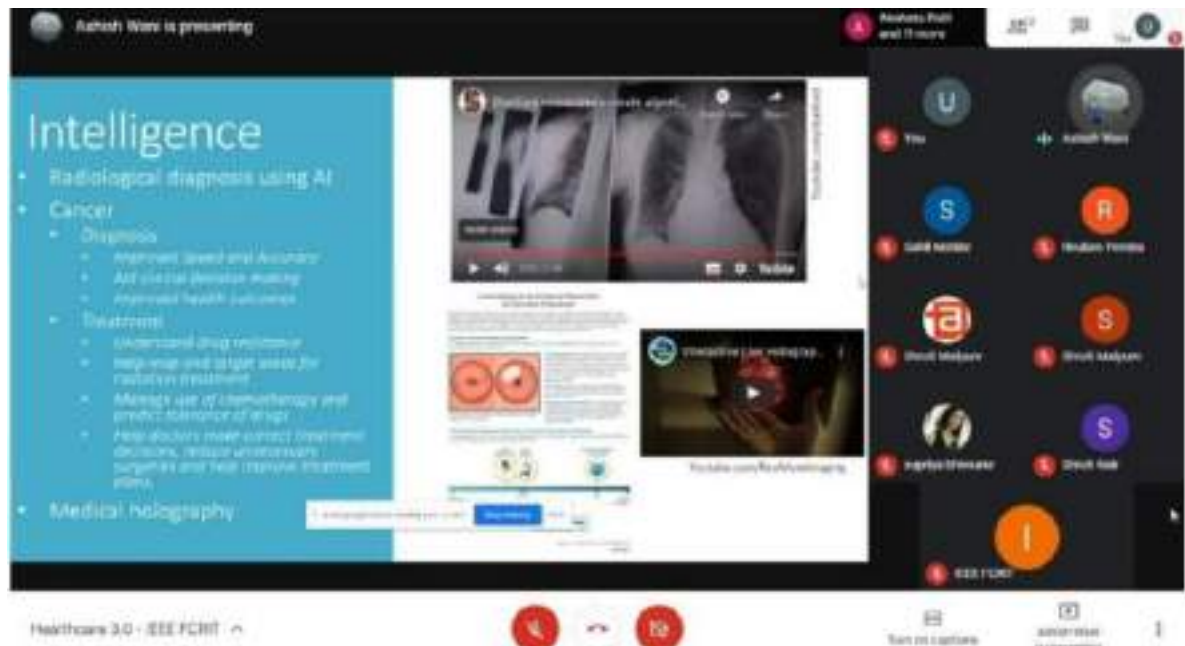
Bio-electronics includes Pedometers, Sleep monitors, Activity detection and tracking. Automation Smart Surgical tools: Orthopaedic drills Ablation Catheters Redesigning traditional surgical tools with multi-sensor feedback to reduce errors, decrease patient exposure X-rays, reduce costs. He spoke about the challenges we might face like reliability of sensors and associated systems and data security and also mentioned the opportunities the field presents. The event included the students' understanding about the various factors that makes healthcare 3.0 a very promising industry. It has present and future technological applications which will only help the world to create a better healthcare system.

# Marketing in Digital World
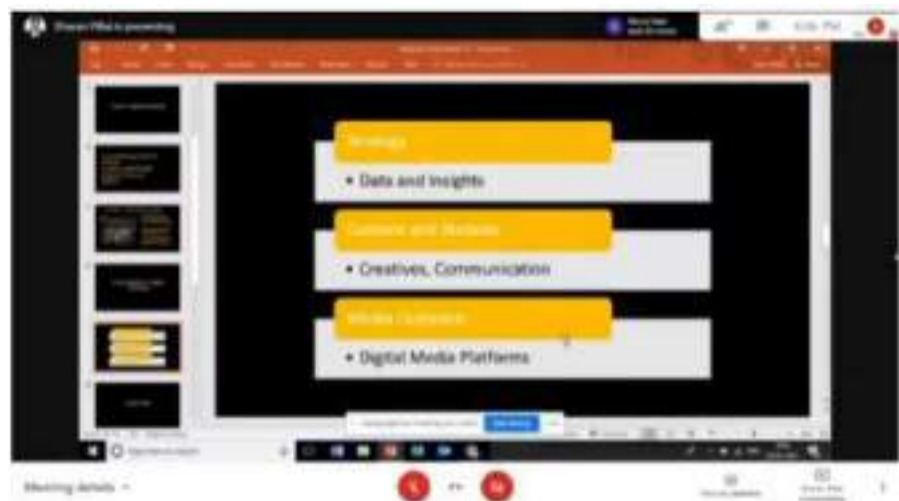
IEEE FCRIT organised a webinar on 'Digital Marketing', on 20th March 2021 on Google Meets and the same was attended by students of FCRIT and other colleges. The speaker for the event was Mr. Sharan Pillai, an experienced marketing professional with working experience for 65+ brands. Currently, he is leading Digital Media & Partnerships for Jio Creative Labs, also previously worked for Publicis India and Performics, Convonix. He was also a part of a non-profit organization project by Google to establish a business on the digital platform and currently working on 'The 100 Life Project' to help rural young minds to develop or set up their business online.

Mr. Sharan Pillai started the webinar by defining what digital marketing is terming it as a combination of art and science with help of an example of an advertising digital campaign. Followed by this, he described the three key elements of digital marketing. He talked about the career path in digital marketing by bifurcating the working domains in digital marketing into the agency side and the client-side and explained each one of them one by one. After this, he started with the skills required for being a digital marketer and then discussed the various opportunities available for engineers in this field with some of the company's name recruiting for these roles. The webinar was very helpful for the young engineers planning a non-technical job profile after graduation motivating them to think of this option. The webinar ended with a question-answer session wherein the participants got their doubts regarding digital marketing cleared by the speaker. The event was a great success, as there was extremely positive feedback from the audience.
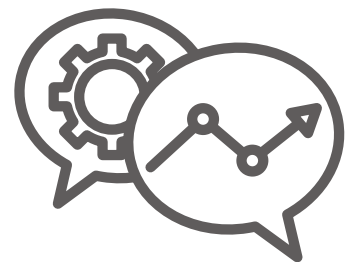
Talk with the Doc: Women's Health
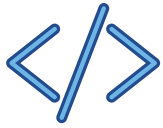
IEEE FCRIT in collaboration with ICC for PPSHWESRG, organised an interactive session on 'Talk with the Doc: Women Health', on 11th April 2021 on Google Meets and the same was attended by the female audience of all age groups. The speaker for the event was Dr. Devi R., Infertility and IVF Specialist.

Starting with the event the speaker discussed about the various health problems faced by women of all age groups. She elaborated about the menstrual abnormalities and gave insights about maintaining healthy menstrual hygiene. She also shed light on PCOS & PCOD and ways to handle it.
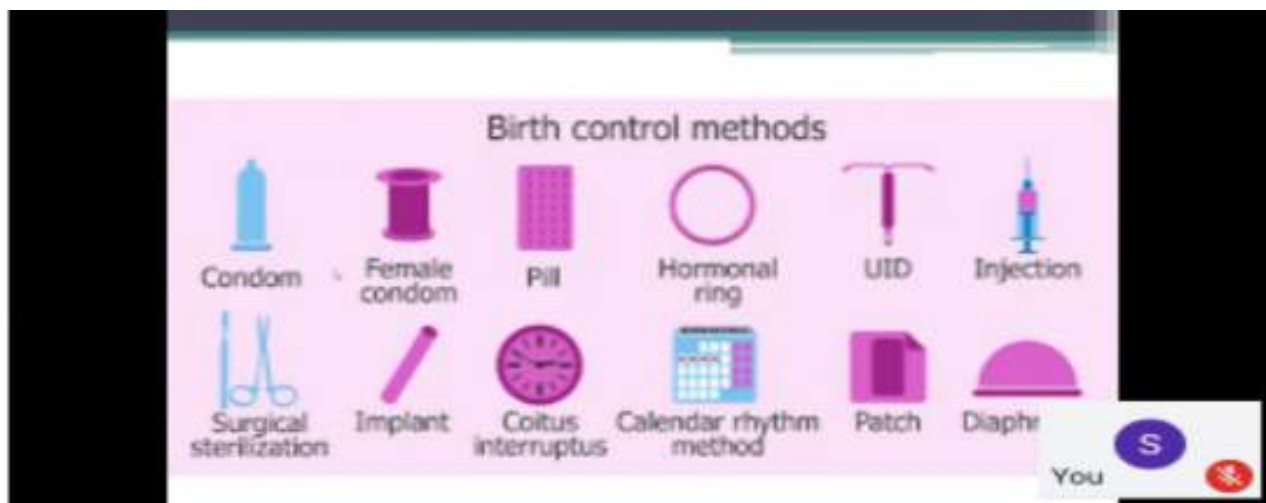
In addition to this, she spoke about the issues related to infertility and followed by routines to be followed for safe sex practices. Lastly, topics like Self Breast Examination and uterine cancer were discussed. The webinar turned out to be beneficial to women of all age groups as it touched upon the various issues faced by women during different phases of life.

The audience got a chance to interact face to face and clear out their doubts.

Benefits Of IEEE Membership

The event "Benefits of IEEE Membership" was organized on 15th September 2021 at 5 pm. The speaker for the event was 'Dr. B. Satyanarayana'. The council gave a short presentation on the details of IEEE Membership. Later the speaker of the event was introduced by Miss. Malavika Preeth.The main objective of the seminar was to reveal the real benefits of IEEE Membership from a professional.
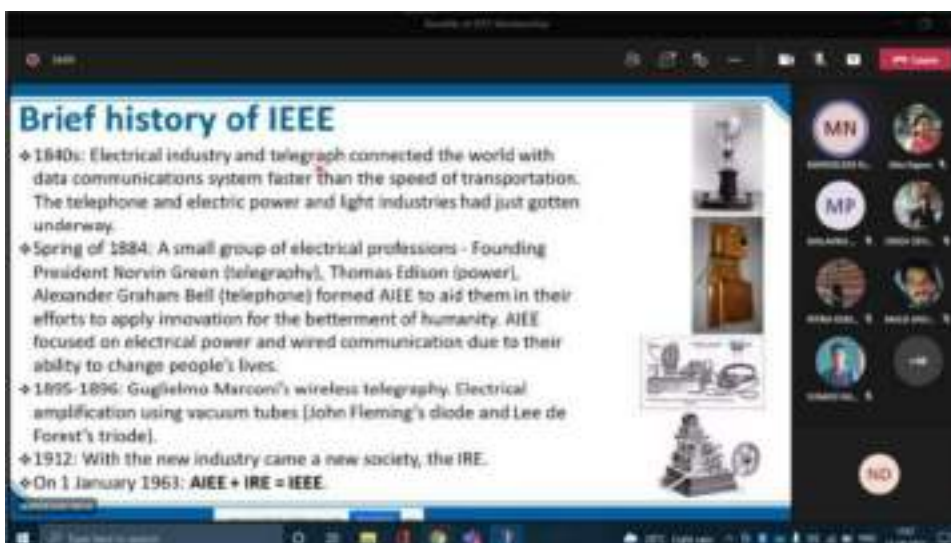
The goal was to encourage the students to take advantage of the IEEE Membership. The event commenced, with the students getting brief Information about the history, features, benefits, rankings, and achievements of IEEE. The council then clarified all the misconceptions and misunderstandings about the membership in the question-answer session. The event was conducted for the students of FCRIT. Dr. B. Satyanarayana gave an informative and insightful presentation about the benefits of being a member of IEEE. The presentations provided a wide range of information about various significant aspects of IEEE. The students became acquainted with the brief history, benefits, and achievements of IEEE.The event was then concluded with a vote of thanks by Miss. Daffril Cleetus.
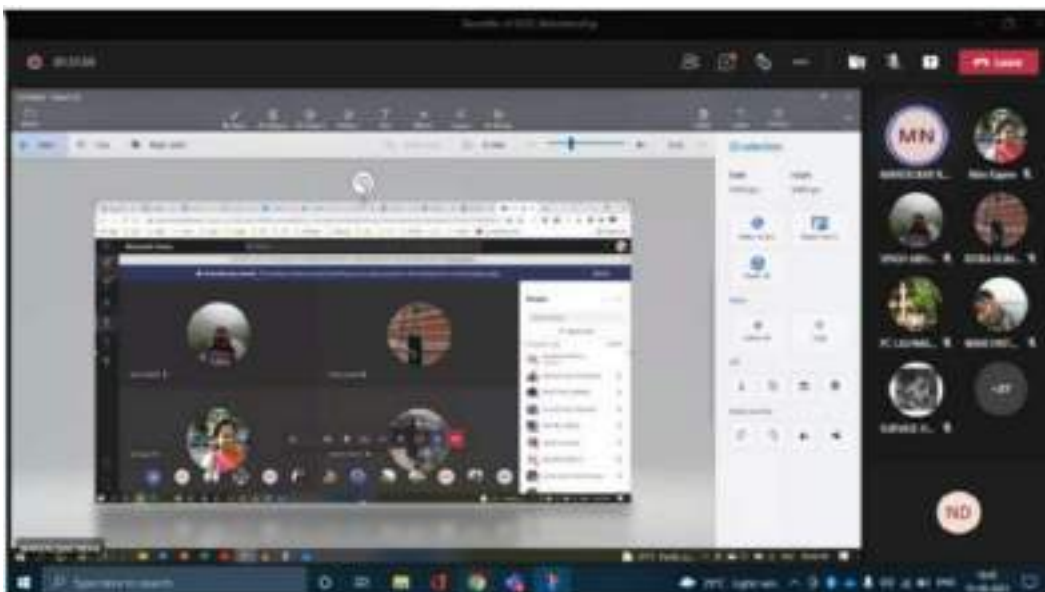
How To Handle Failures

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The event "How to handle failures" was organised on 8th October 2021 at 5pm. The event begun by offering gratitude to Goddess Sarasvati by playing 'Sarasvati Vandana'. The speaker for the event was 'Capt. Ramesh Babu'.

All the students and teachers were welcomed for the event by the secretary of the council Miss. Devanshi Nigam. Then after the speaker of the event was introduced by Membership Head Miss. Devanshi Singh. The event was then begun, students were addressed about the different failures they may experience especially at this period of their life.
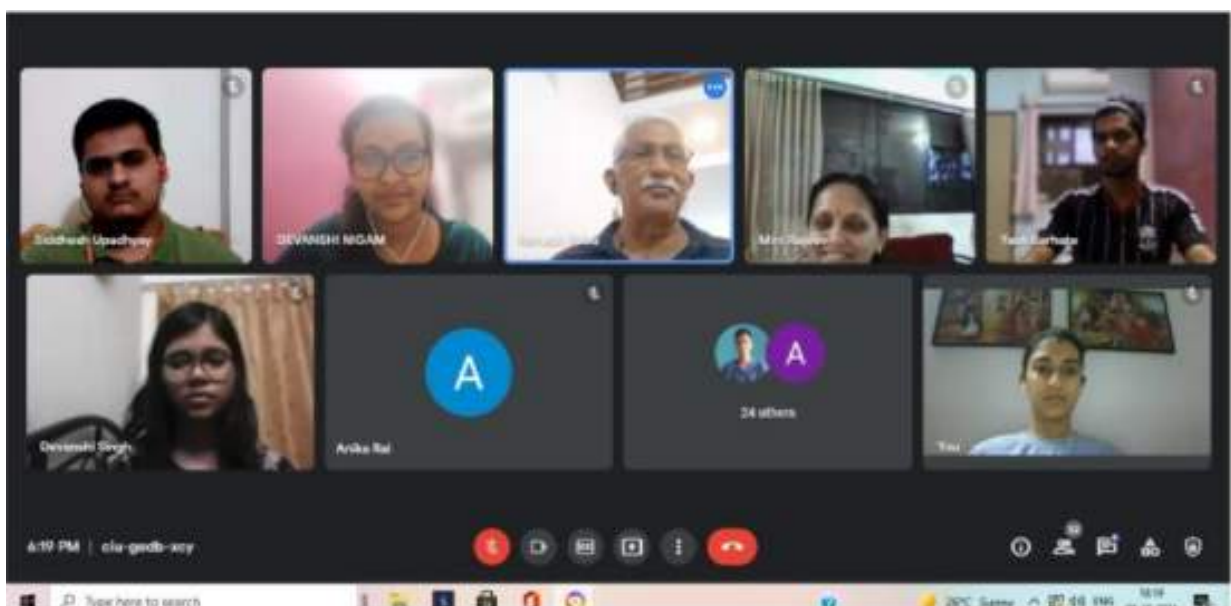
The failures in achieving the dreams and aims in his life also were shared by the speaker. Students were advised not to give up or self-doubt themselves on the basis of some failures. At the end a question answer session was organized where all the students got their doubts cleared from sir Ramesh Babu. The main objective of the event was to encourage students' self-esteem through a fun event. The event was then concluded by Miss. Devanshi Nigam. The event was further ended by announcing the next event organized by IEEE on financial literacy by the NJ group on 23th October and students were informed about the new YouTube channel of IEEE FCRIT SB by Vice Chairperson Miss. Divya Prashant Vyas.
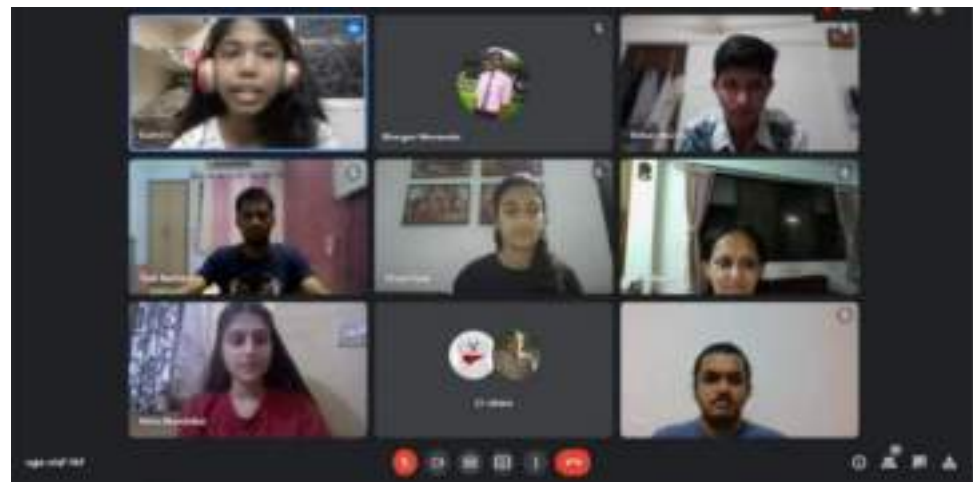
Financial Literacy

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The event "Financial Literacy" Was organized on 23rd October 2021 at 5.30 pm. All the students and staff were welcomed in the event by IEEE FCRIT SB chairperson Miss Neha Mandelkar addressed and welcomed the speaker after which the event began by offering gratitude to Goddess Sarasvati by playing 'Sarasvati Vandana' by Saish. The speaker for the event was 'Mr. Bhargav Mevawala'. The seminar gave a short presentation on the details of Financial Literacy They explained various things like where to invest like in Equity, Debit/fixed Income, cash & equivalent, and Alternatives also.

The event commenced, with the students getting brief Information about the various asset classes, features, stock market losses, speculations of Financial Literacy. Students got to know many good fields to invest and save their money for future requirements and also never lose hope by getting some loss in the market. The speaker then clarified all the misconceptions and misunderstandings about the investments, savings, and speculations of the stock market in the question-answer session. The event was then concluded with a vote of thanks by Miss. Daffril Cleetus.

EESA:
YOGA SESSION

Yoga is one of the most popular body practices in the world, which has a rich ancient history and traditions. It helps to improve one's life significantly by increasing body flexibility and muscle strength. In fact, yoga is something bigger than a simple practice, since it remains a lifestyle for millions of people worldwide. It brings good health and a peaceful mind for those who do yoga on a daily basis. Yoga is a practice aimed at improving health and brain activity. It also helps to avoid nervousness and bring a feeling of peace into your heart.

On the 18th of September, 2021, the Electrical Engineering Students Association organized a free Yoga session for the students in the electrical department.The session was held early in the morning at 8:00 AM.
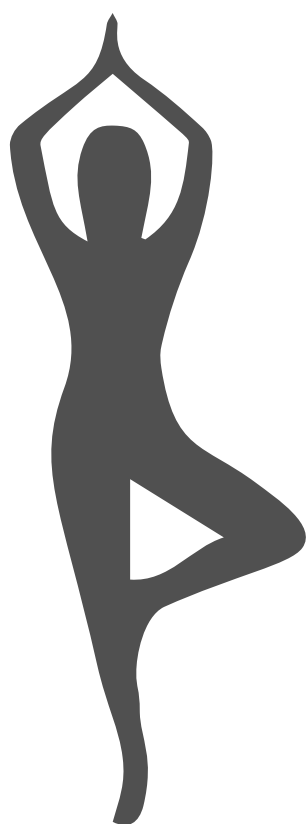
The session was conducted by Ms.Suseela Kasichainula who gave the students insights on Hatha yoga, Pranayam, Meditation and Shatkarmas and has been conducting daily yoga sessions in the morning as well as in the evening for many years. Ms. Kasichainula gave in depth insights and knowledge on yoga and its importance in a student's daily life. Regular practice of yoga can help lose weight, relieve stress, improve immunity and maintain a healthy lifestyle which is a need during this pandemic situation. The session was enriching for the students and teachers and it covered the history of yoga and contribution of yogic lifestyle towards total health. We also learnt asanas and breath control techniques important from a student's perspective. Yoga asanas build strength, flexibility and confidence. At the end students and teachers clarified their personal doubts with Suseela Maam. To conclude it all, the session gave the students a sense of relief and helped improve their focus and concentration which was the purpose of this session.

IEI:
Latex Workshop

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A LATEX Workshop was organized and conducted by the IEI Student Council on 2nd and 3rd of July, 2021 on Microsoft's Teams platform. The attending students were guided from the installation process, also from the very basics of how to save a .TEX file, to make a project report in the LATEX software.

On the first day students were introduced to the software and were guided stepwise through the downloading and installation procedure of the software. The students then had an interactive session and learned the basics tools and codes of the software and were given an assignment of the above.


On the second day students were taught more advance features and codes which were helpful for making a professional report. After the session on the second day a concluding ceremony was given and students were given a final assignment of making their own report. The feedback from the attendees was well received.
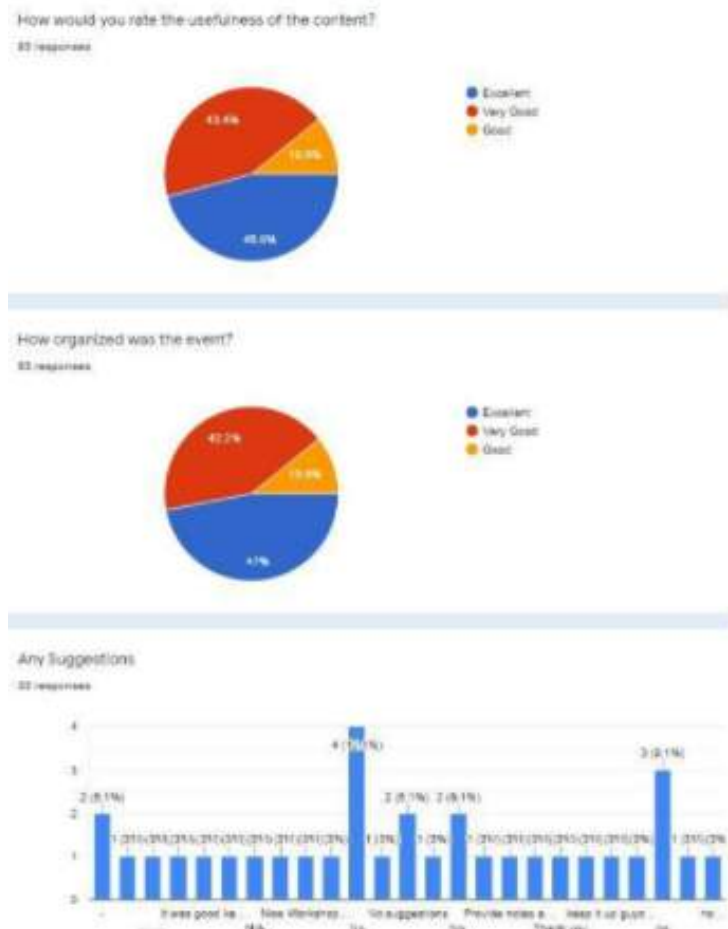
EMBEDDED SYSTEMS WEBINAR
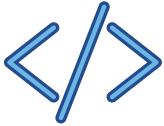
On 28th August 2021, IEI council conducted a webinar on Embedded Systems and its applications, speaker being Mr. Arun Divakaran, Sr. Embedded developer, Spark Minda (SMIT) , Bangalore. Mr. Arun expressed his thoughts on how whatever is taught in college is not sufficient information for students to start making projects and how this webinar would help the students to make their projects on their own instead of relying on project centres and others.
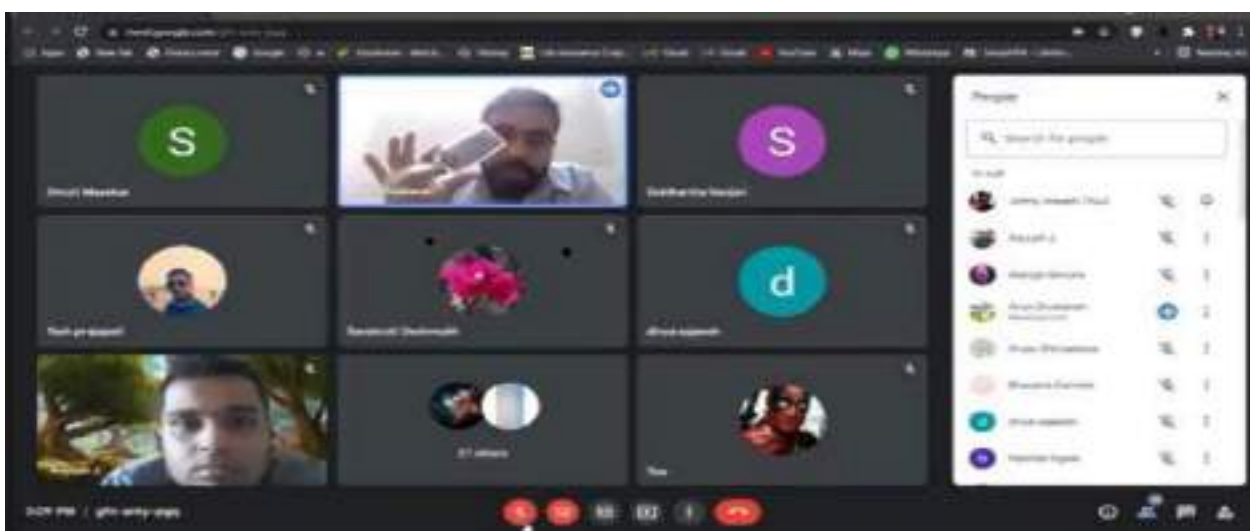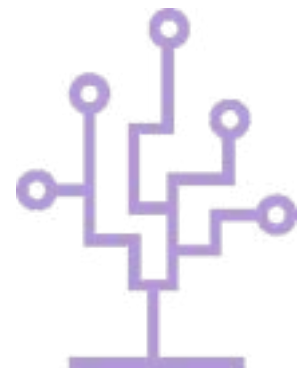
The seminar was started by briefing about the basics of embedded systems and further went on to different development phases of the embedded systems. Further discussion was carried out on feature analysis, selection of components, cost, cosmetic design and marketing. He further gave a brief idea on IDEs like Eclipse and Arduino with some intel on C, C++ and python. There was step by step guidance to the usage of arduino with a practical example as well .

All the members of the IEI, along with the second and third year students of the Department attended this webinar.The Webinar was found to be very interesting and useful by the students.
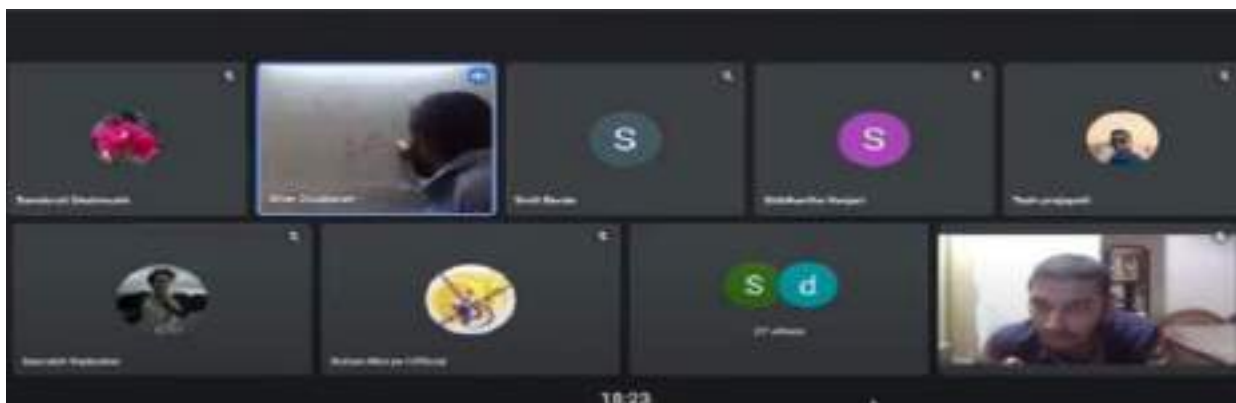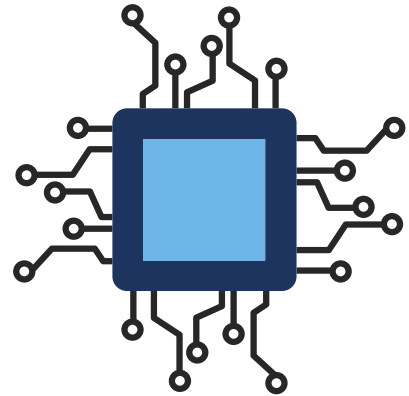
Yoga Session:

Yoga is an ancient art that connects the mind and body. It is an exercise that we perform by balancing the elements of our bodies.Yoga has not one but many benefits. It helps in keeping our mental and physical health intact. It helps us to connect to nature. Furthermore, your body becomes more flexible after consistent yoga practice and you also develop a great sense of self-discipline and self-awareness. In short, it improves our well-being and gives us better mental clarity.

The IEI Council organised a free online Yoga session which was conducted on 'Google Meet'. The session was held early in the morning at 8:00 AM.

The session was conducted by Manisha Shah. She has been associated with the Art of Living for more than 12 years and she is also an art of living teacher. After graduation she took the degree in finance management and she also has more experience wih ICICI bank where she was working under the internet banking department. Her passion is to mediate people and lead them to a healthy lifestyle. She has taught many students and professionals to live a stress free life. The session was enriching for the students and it covered the history of Yogaand contribution of yogic lifestyle towards total health. To conclude, the session gave the students a sense of relief and helped improve their focus and concentration which was the purpose of the session.
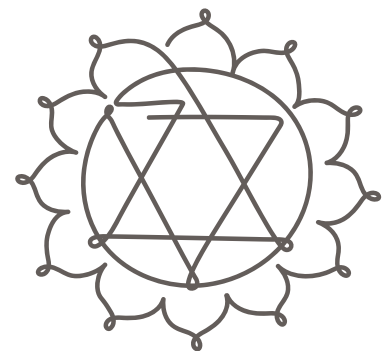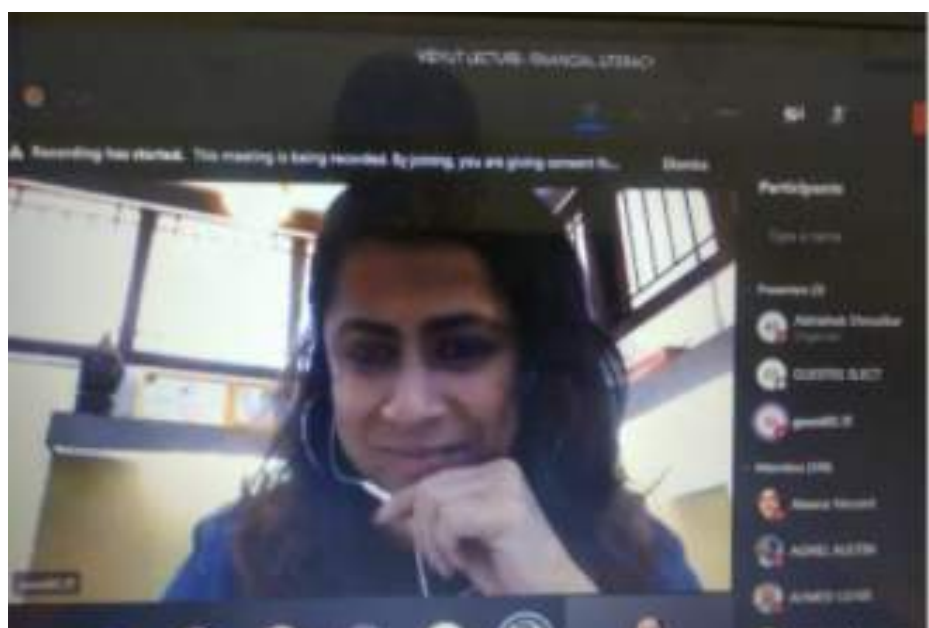
Expert Lecture Summary:

Sr.No.	Date	Name of Speaker	Title of Expert Lecture
1	29/04/2021	Mr. Arnab Panja Senior Executive Engineer, L&T, Mumbai.	At Cross Roads
2	26/03/2021	Mr. Siddharth Singh Deputy Manager, Reliance Jio, Mumbai	Infrastructure and Power Distribution in Telecom Industry
3	4/5/2021	Mr. Aditya Bhatter Software Development Engineer-II, Amazon Alexa, Boston, USA.	Application of control system in Industry
4	22/04/2021	Mr. Saurabh Shelke GET, Electrical Design Consultant, Thyssenkrupp Industrial Solutions, Mumbai	Motivational Talk
5	28/04/2021	Mr. Chinmay Gadre PG-Student IIT, Madras	Introduction to application of numerical methods in power system
6	20/04/2021	Dr. Ramchandra Bhosale Technical Staff, IgrenEnergi services Pvt Ltd., Mumbai	BLDC Motor and its Applications
7	30/04/2021	Mr. Kunal Mahadik Assistant Engineer, Sarman Engineering Pvt Ltd, MIDC, Dombivali, Maharashtra	Testing of MC, MCCB and RCCB
8	22/04/2021	Dr. Sushil Thale Professor FCRIT, Vashi	LED Street Lighting Design
9	18/03/2021	Mr. Rangarajan Swaminathan Project Engineer, Electrical Company-Wartsila India Pvt Ltd.	'Motivational Talk on Electric Vehicle-The Pioneering Technology'
10	6/12/2021	Mrs. Pooja Jadhav Purchase Executive, Idea Forge Technology Private Limited, Mahape, Navi Mumbai	Power Transformer Erection, Testing, and Commissioning
11	26/03/2021	Mr. Aditya Golatkar Senior manager, Group CSR & Sustainability, Mumbai	Experience Sharing & briefing on Sustainability
12	26/08/2021	Ms. Anindita Samanta Senior Design Engineer, Electrical Tata Consultancy Engineers (TCE), Mumbai	Understanding SLD for Power distribution system
13	14/08/2021	Mr Parimal Patil IT Analyst, Tata Consultancy Services, Pune	Autonomous Vehicle
14	1/9/2021	Mr. Nitin Akhade Project Manager, Customized Energy Solutions India Pvt. Ltd.	Microgrid Initiatives for Campus and Rural Opportunities

| 15	16/08/2021	Ms Shilpa Deputy Executive Engineer, State Electricity Transmission Co. Ltd, Maharashtra	HVAC substation overviews
16	21/09/2021	Mr. Nereus Fernandes Managing Partner, Advait Electric Design LLP, Thane, Maharashtra	L.V. Industrial AC Drive
17	20/09/2021	Mr. Raj Bhaladhare Program Coordinator, Advit Foundation	Solar Photovoltaic Systems
18	7/10/2021	Ms. Komal Gaikwad Electrical Engineer, Siemens Ltd., Mumbai	Earthing and Neutral Grounding
19	25/09/2021	Mr. Akshay Jagtap Assistant Consultant (Electrical), WSP USA Inc. California, USA	Importance of Software in an Electrical Engineer's Life
20	2/10/2021	Mr. Bennadit Nadar Electrical Project Engineer, Vestas Wind Technology India Private Limited	Power System and Electrical Machines

Vidyut:

Wide range of topics were covered in the annual Vidyut seminar conducted by the Electrical Department of FCRIT. The final year students attended a session titled 'Professional Ethics' by Ms. Prachi Salvi on 25th February 2021 through MS- Teams. The webinar was about professional ethics, types of ethics, characteristics of professional ethics, principles on which it is based. and the reasons why professional ethics is important in the industry. The study of morally appropriate behaviour and decisions, and examining what should be done was touched upon. She also gave information as to how professional ethics can support and improve the service provided by a professional.

A Vidyut webinar on 'Project Management' was conducted on 28th of September 2021 for the third and the fourth-year students by Ms. Deepti Goel, Executive Director at Harrison's Tech Consultants. She explained the various project management strategies. With the right planning, one can ensure that their work is delivered on time and within budget. Using project management methods, one can map their project's journey from the outset and know in advance where the deadlines lie. She also explained how one can more efficiently allocate their resources, to avoid delays and overspend on their projects.

Students of the Electrical department has a discussion on the topic 'Intellectual Property Rights' on the 09th of October on Google meets. This webinar was organised for the second, third and the fourth- year students. The speaker for the webinar was Prof. (Dr.) Raju K.D., Professor of Law, Rajiv Gandhi School of Intellectual Property Law, IIT, Kharagpur. He gave information and examples of patents, copyright and trademarks, which enable people to earn recognition or financial benefit from what they invent or create. He shared his view that IP system aims to foster an environment in which creativity and innovation can flourish.
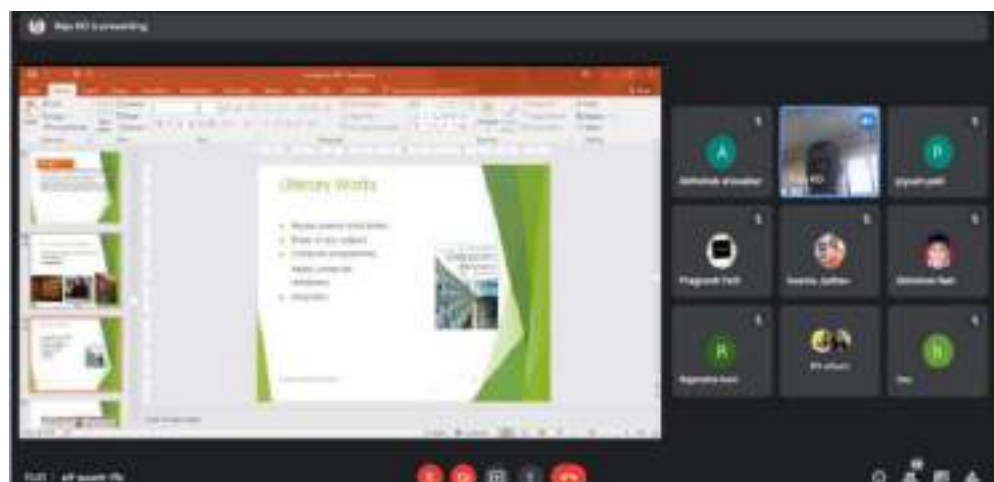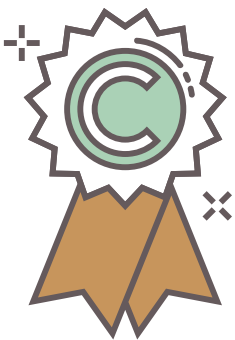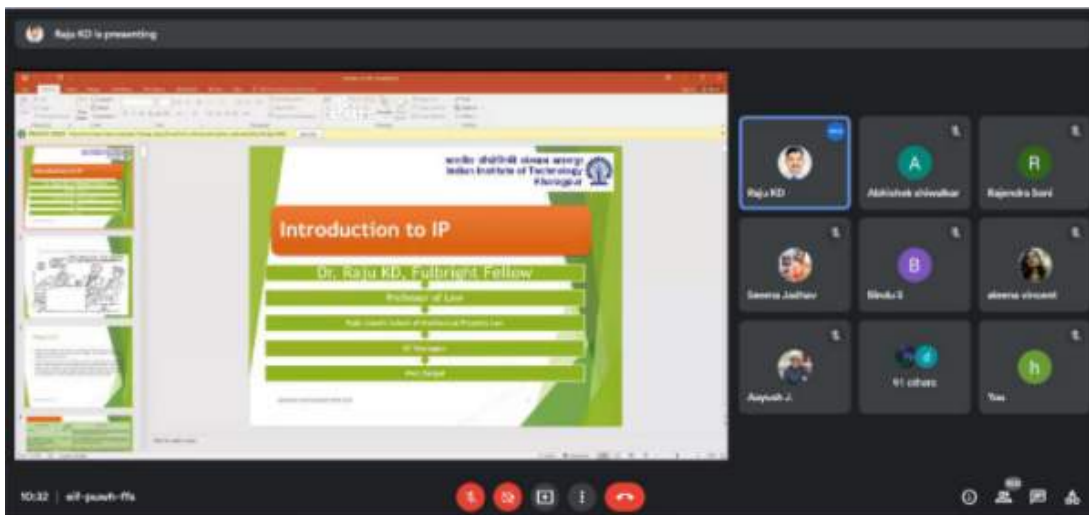
MECHANICAL ENGINEERING
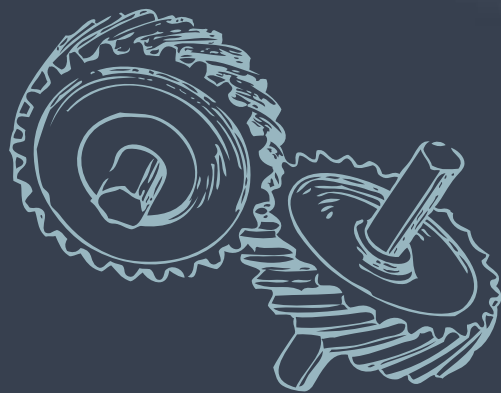
SYNERGY

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Synergy is an annual technical event conducted by the MESA council. The association acts as a communicating body between the industries and institutes; thus providing the opportunity to learn latest industrial knowledge & activities adapted. Our HOD-Dr Nilaj Deshkmukh sir and principal Dr SM Khot sir addressed the students, explaining them to complete and withstand all the activities given. They explained how during various eras; mechanical industry has flourished with new technologies and inventions in the field. Students were enlightened with the challenges in the field, requirement of adaptability in any area and how the period of learning never diminishes in one's life. The event was conducted on 18th September 2021 by Tenneco Clean Air India Pvt. Ltd (Chakan, Pune) by online mode.

 The speakers were adept in the fields of their knowledge.

 Mr Santosh Satre – Senior FEA engineer
Topics: Simulation techniques in industry
Mr Omkar Gaikwad – Associate FEA engineer
Topics: SVR and FEA/CAE
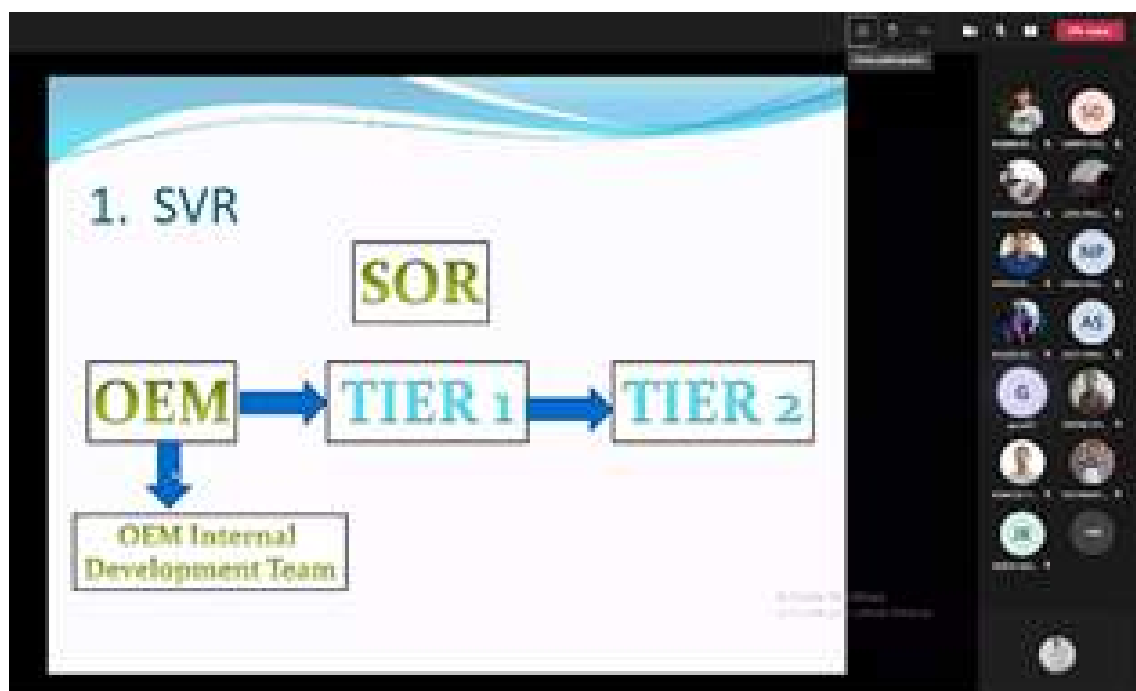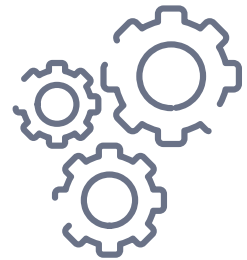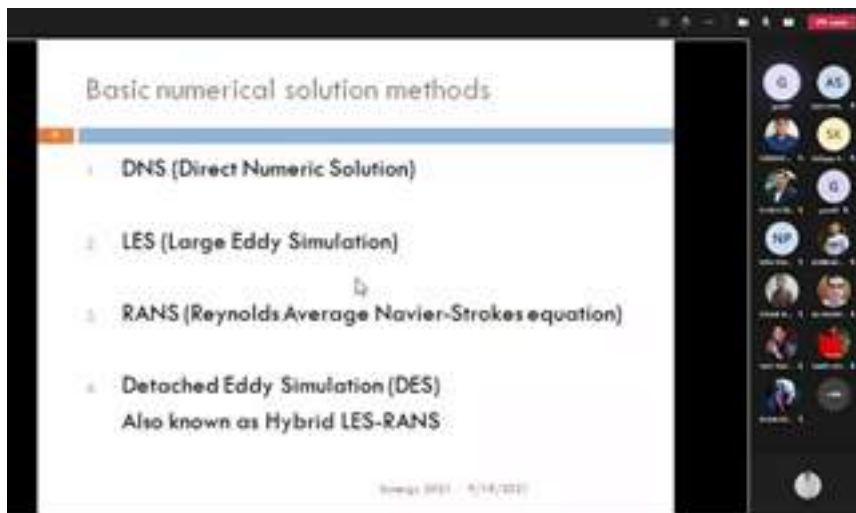
The event began with the discussion of simulations and the various types of method involved in the sector. It was later directed in the path of methods and resolution of designs and flow of methods in simulation process. These processes involved CAD domain selection, meshing, convergence monitoring etc. The speaker also focused on the types of CFD simulations carried in the automotive industry involving both ICEs and EVs. The seminar was further taken ahead involving the discussion on the lines of SVR i.e System Validation of teams involving purchasing, marketing, DVP etc. Thorough knowledge on FEA analysis for various structures was discussed using diverse methods. These processes involved modeling, analysis and conclusion. Modeling is a flow of process initiating with geometry clean up, meshing etc. Analysis is done for the models made which involve linear and nonlinear analysis. Following all the knowledge gained by the students, the MESA council gave their vote of thanks to the honorable speakers' presents and the faculty involved. The session was concluded with overall aspect of FEA and an interactive question and answer session between the students and speakers.
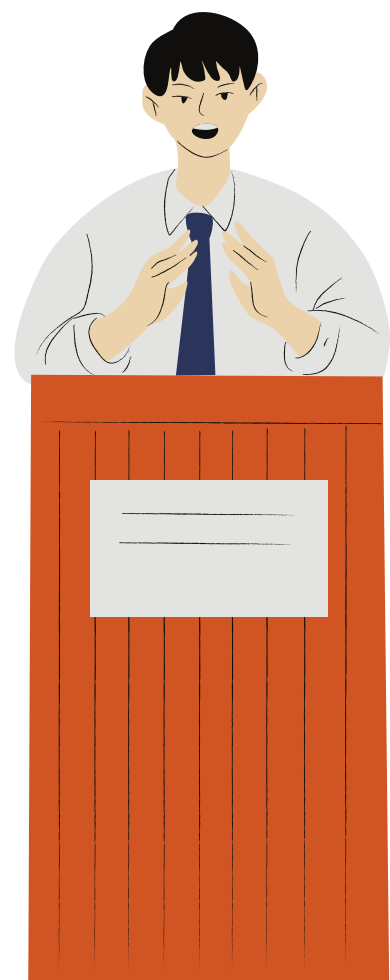
ADC FCRIT

SAE ADC, notwithstanding the global situation our teams were all electrified to fly high off with their designs. After their victory in 2019-20 the teams were all high in spirits keeping the legacy alive this year as well. This year the teams were more robust with more minds adding up with the design of their flights. The teams were further divided into two parts: the regular class and the micro class.

The depictions of their imaginative minds were more uniquely showcased when they had to present aircraft applications. Where the Regular team presented an idea to relieve the load on logistics for vaccine delivery in a rural area and the Micro team presented an idea to help in pollution control with the help of present technology. Other events such as Application Report, Fabrication Report, Design Report, and Technical Presentation were carried out successfully.
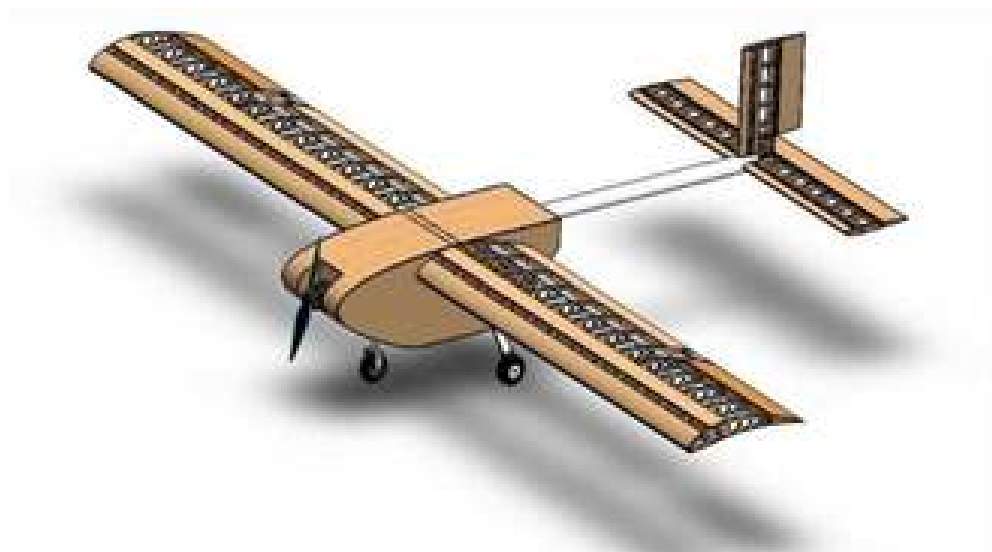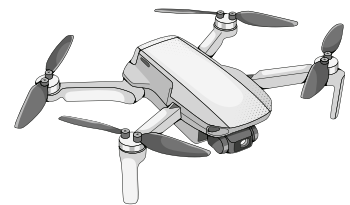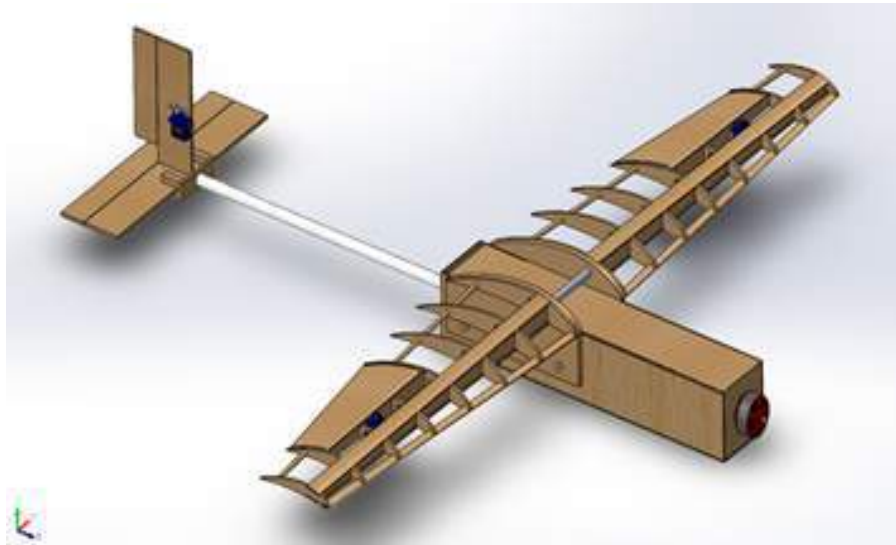
With their persistent efforts and visionary ideas the Regular team of aero FCRIT bagged the second position in overall India in the Design Report of Aero Design Challenge 2021. This flight of their success was purely guided by the faculty advisors, sponsors, team and all others who were directly or indirectly associated with their achievement. This marks the end of SAE ADC 2020-21 and further aims for achieving greater heights with new members and teams in SAE ADC 2021-22.

Installation of ISHRAE's Students Chapter

The ceremony was held online on 31st July 2021. It started with the national anthem followed by a welcome speech given by Dr. Nilaj N. Deshmukh, Dean (Faculty) of Mechanical Engineering Department to the guests and students present. The chief members of the Mumbai Chapter - Mr. Mihir Sanghvi, Sanjay Verma, Mr. Amod Dikshit, Mr. Sanjay Jadhav and Mr. Vivek Marde gave some encouraging words of advice and motivation to the participants. The speech was followed by the election of the President, Secretary and Treasurer of each Student Chapter by Mr. Sanjay Verma. Later, the present Student President Mr. Shubham Dixit shared his experience in ISHRAE and gave a brief about the future activities to be held at FCRIT under his leadership. Mr. Baniz Antony, Secretary, gave a vote of thanks to all the chief guests. Finally, a group photo along with the Faculty Advisor and Mentor was taken which concluded the ceremony.

Appointed Council For ISHRAE FCRIT Chapter, 2021-22:

President: Shubham Dixit
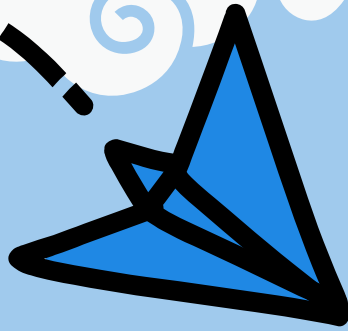Secretary: Baniz Antony
Treasurer: Sana Tiwade

Committee Members:
- Nimesh Rokade
- Vaishnavi Dhake
- Rahul Shelar
- Ankit Singh Chouhan
- Shanto Mathai
- Dhruv Kabra
- Lewis Wilfred
- Marmika Saxena

GARUDA

AERO CLUB

Aero FCRIT

For SAE ADC 2020-21, Despite the current pandemic situation SAE ADC has managed to conduct the event online. With a successful run for the year 2019-20, the team aimed to keep the legacy up with new members added to the team. We emerged stronger by participating in two separate categories, the regular class, and the micro class. Even under the lockdown conditions, our Plans for our venture were set in motion to secure better rankings.

As this year's approach was unique a new event was introduced where the teams had to present their aircraft application. The Regular team presented an idea to relieve the load on logistics for vaccine delivery in a rural area. The Micro team presented an idea to help in pollution control with present technology. Another event such as Application Report, Fabrication Report, Design Report, and Technical Presentation was carried out successfully.

We are glad to announce and congratulate the Regular team of AeroFCRIT for being 2nd Runner-Up All-over-India in the Design Report of Aero Design Challenge 2021. The effort of both the teams was appreciated. A humble gratitude to our faculty advisor, sponsors, and all in all who have been directly or indirectly contributed to such great achievement in these difficult Pandemic times.

As this achievement marked the end of SAE ADC 2020-21, Now we aim to grow stronger and achieve greater height in SAE ADC 2021-22 with a new team of students who share the passion to fly.
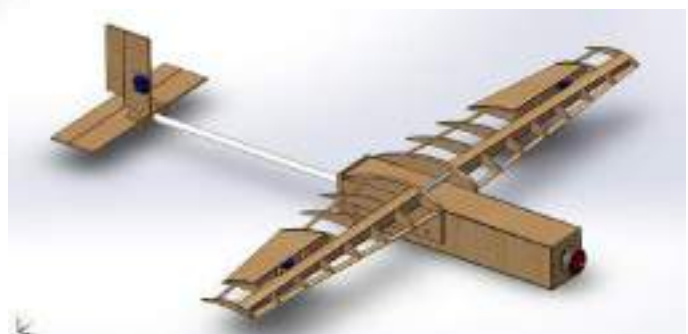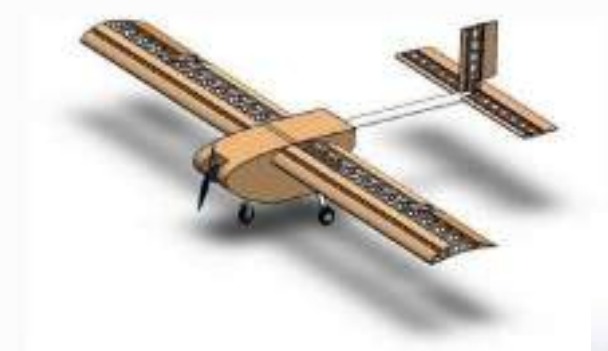
AGNEL CYBER CELL

Agnel cyber cell- a cell that aims to be aware, protect and surf safely.

The Agnel Cyber Cell, covers majorly the area of cyber-security of FCRIT, it is formed by enthusiasts and explorers in the field of cyber-security and its awareness. The club is guided by various imaginative and skilled minds who make others aware by their works with a very collaborative team.

They provide knowledge and opportunities through workshops, internships, guidance from mentors, and projects to engage their interests and sharpen their skills.

Some proficient and engaging sessions were held in the month of February to encourage cyber-security for the students which helped them to recognize the need for cyber-security to protect themselves from the vulnerabilities found over the network.

Webinar: Expert Talks

The webinar was conducted on 18th April 2021, notwithstanding the current pandemic era it was successfully carried ahead through online mode.
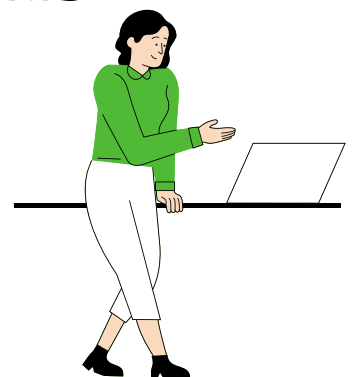
Shrey Bhargava, a skilled person in cyber security, an Israel-based ethical hacker, who also specializes in OSINT, IoT security and a freelancer, was the speaker of the webinar.

The session began with the discussion of work experience Mr. Bhargava as a freelancer and went around the various topics of cyber-security. Shrey also shared the challenges faced by him and the people of his profession, and the increasing number of cyber-crimes highlighting the need of cyber-security and its benefits in future.
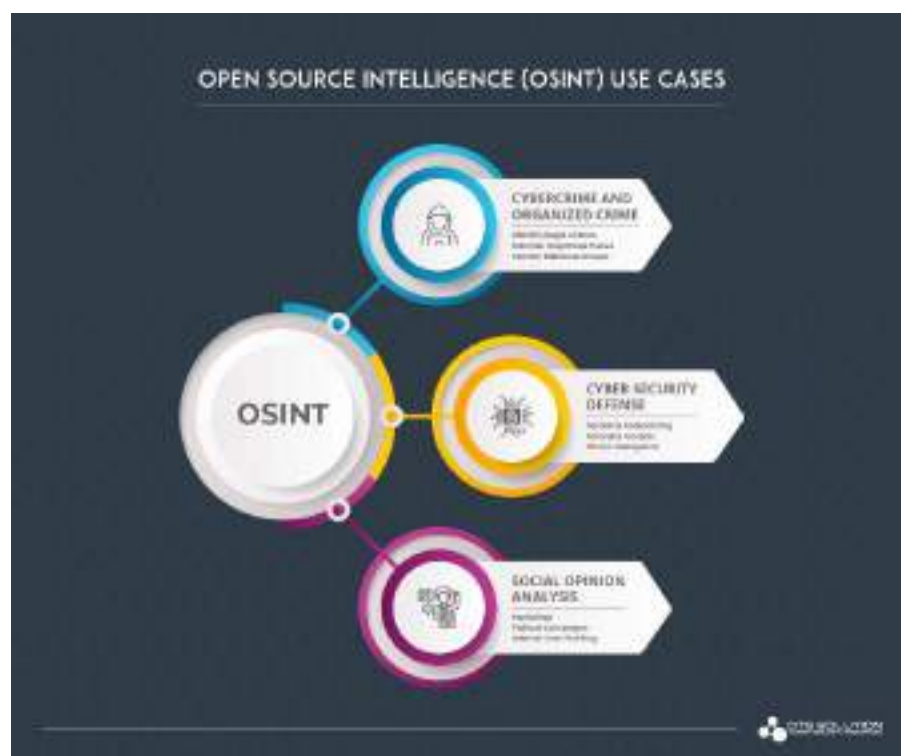
Topic of discussion:
- Emerging cyber threats
- Effect of cyber-crime on security industry
- Need for cyber security

Students went interactive again with Mr Shrey Bhargava this time accompanied with Mr. Suresh Menon who provided a detailed session on OISNT and IoT security.

The session started with the introduction of OSINT and IoT security. Open Source INTelligence stands for the availability and usage of open source. Open source describes the public nature of the data being analysed and not the open source software movement. Whereas, IoT stands for Internet of Things. It refers to the whole network of physical devices, such as smartphones, which are connected over the internet and capable of sharing information available.

The webinar enriched students mind making them realize the need of cyber security and also how to protect their networks from cyber crimes.

With the insights from Shrey's career and three years of work experience in cyber-security, mentorship of Mr. Suresh Menon and support from Prof. Shweta, teacher in charge of the club, made this entire session a success and eventful.

CYBER SECURITY

ARTIFICIAL INTELLIGENCE AND DEEP LEARNING

AI AND DL CLUB

On the 4th and 5th of September, FCRIT Vashi's Artificial Intelligence and Deep Learning club organised a two-day workshop. These workshops garnered a significant number of students. The major goal of this event was to provide further insight in the world of AI and deep learning.

- **Day 1 - Introduction to Python Programming and packages**

A workshop on "Introduction to Python Programming and Packages" began the first day. The workshop's purpose was to provide students with a basic hands-on introduction to Python programming. This was a code-along (students used Google Collab to run the programs at the same time on their computers). The students learned the fundamentals of the Python programming language, including conditional statements, lists, dictionaries, loops, and functions. Various Python libraries were also introduced to the participants. It provided students with the foundation for using machine learning libraries. The students were ecstatic to learn that they could now program at the end of day one.

- **Day 2 - Introduction to AI and Deep Learning**

The students were taught the fundamentals of machine learning on the second day of the workshop, which was titled "Introduction to AI and Deep Learning." This included an introduction to the fundamentals of different machine learning algorithms, basic terms of machine learning, precision measures, and training. The organizers offered them a comprehensive overview of the area and demonstrated them how each algorithm fits into it. Along with the lecturer, the students also worked on a simple Machine Learning project. The students were then taught about neural networks, how they work, and how they may be used. The seminar concluded with the building of a simple neural network on the second day.

PHOTOGRAPHS
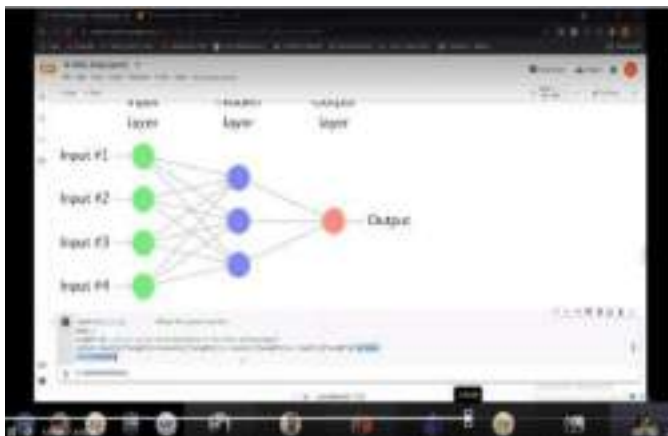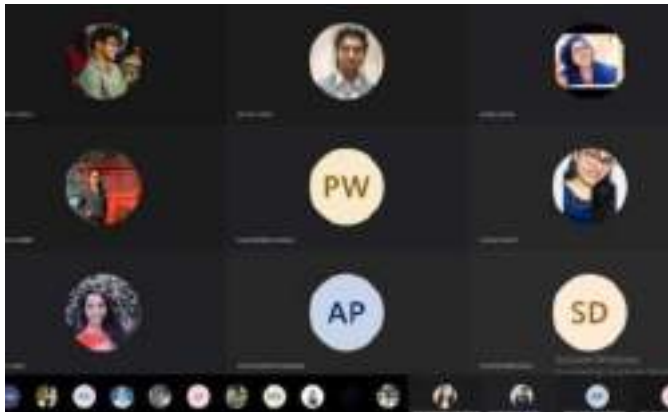
DEBATE CLUB

Arguably, the best.

THE THESPIAN

'Acting is behaving truthfully under imaginary circumstances.'

-SANFORD MEISNER

On 22nd August 2021, The Drama House conducted an acting competition with an objective to give budding actors a platform to showcase their talent and explore their craft. The theme of the event was 'Inspiration' and it was conducted in two rounds. In the first round participants had to send pre-recorded videos of their acts showing something that inspired them and 4 out of 11 participants were shortlisted for round two. Round two was conducted live with the top 4 performers from round 1. They were paired and assigned challenging roles from iconic films to act in the final round. Top two performers were selected as winners.The winners were Battina Babykutty (comps sem7) and Aditi Ambadkar(EXTC sem5). In conclusion, the Thespian Acting Event was a great platform where participants were given valuable feedback and could share their talents with others and find people with similar interests.

SCRIPT WRITING COMPETITION

"The easiest thing to do on earth is not write."

-William Goldman

The Drama House conducted a script writing competition on the 12th and 13th of February, 2021. The objectives of the event were to let students explore the arena of creative writing and to provide a platform for creative minds. 10 students actively participated in the competition with 3 winning positions. In the first place we have Bhagyashree Lakshminarayanan, Sarthak Bharade. In the second place there is Aparna Sunil Srivastava whereas the third place was shared by Abhinav Jha, Piyush Kumar, and Janhavee Bhadane. In conclusion, the competition was a great platform where students got an opportunity to showcase their script writing talent and receive valuable feedback from judges all the while getting a fun experience out of it insipte of not being able to meet physically.
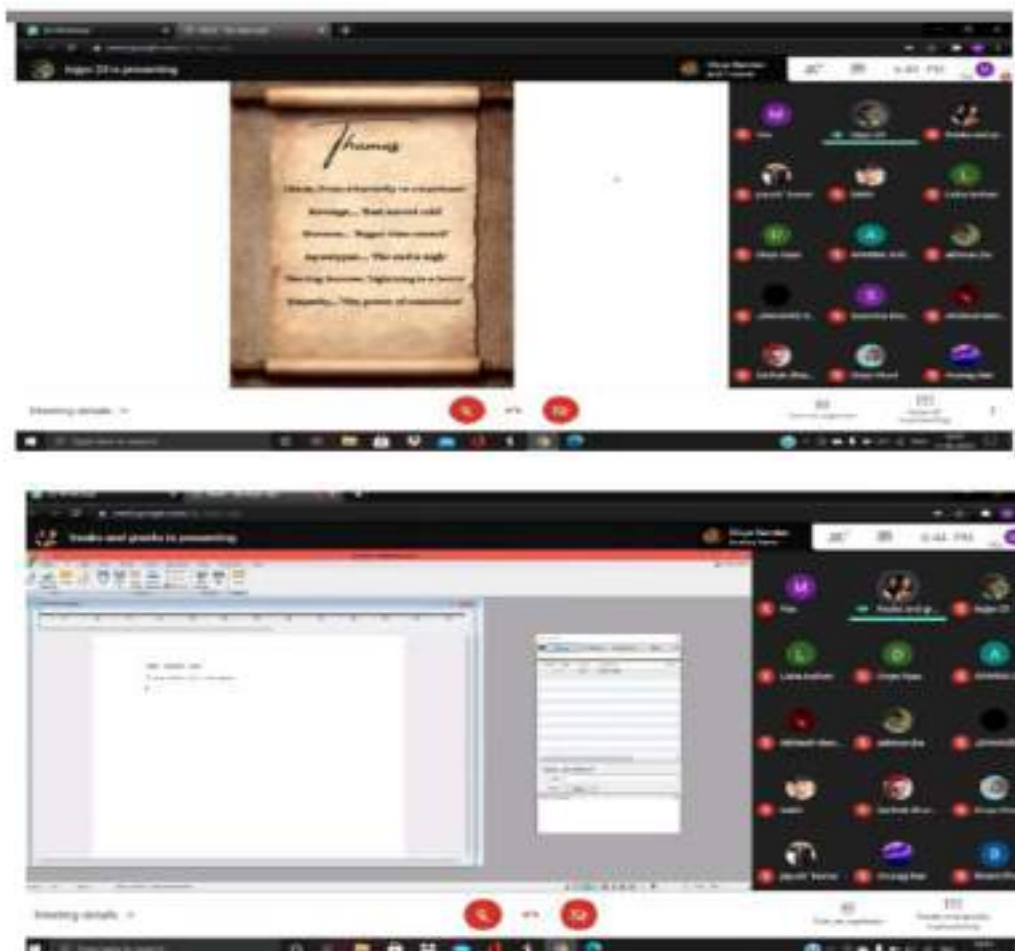
SAMVAAD
2021

SAMVAAD 2021

'It is better to debate a question without settling it than to settle question without debating it.'
-Joseph Joubert

Debate is a valuable activity for students of all skill levels. Debate teaches useful skills for other academic pursuits and life in general. Most obviously, debaters build confidence speaking in public and expressing their ideas eloquently. That comfort speaking in front of others is useful in so many areas of life, from interviews to school presentations to discussions in college seminars.

However, the benefits of debating are not only limited to the skills built while students are speaking, but also the preparation for competition teaches critical thinking and research skills, as well. As F. Scott Fitzgerald once said, "The test of a first-rate intelligence is the ability to hold two opposed ideas in mind at the same time and still retain the ability to function." Debate tests and builds that ability by forcing students to see both sides of issues. Debaters flex their analytical muscles, learning to find the weak points in opponent's arguments. According to Arne Duncan, then-Secretary of Education, debate is "uniquely suited" to build skills required of a modern citizen, including critical thinking, communication, collaboration, and creativity.

Keeping all these things in mind, Agnel Charities' Fr. C. Rodrigues Institute of Technology Vashi, Navi-Mumbai arranges an Oxford Format Debate Competition named "SAMVAAD" every year and this year too was not different. This year the Samvaad Debate competition was held on 26th and 27th February 2021 through online mode of google meet taking the ongoing pandemic into consideration.
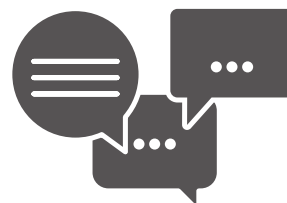
The theme for this year was *'Skewed Perceptions: Looking through the Socio-Psycho-Politico Prism'.* The debate format consisted of two teams of two members each as given below:

1) Government
   • Prime Minister (PM)
   • Government Whip (GW)
 2) Opposition
   • Leader of Opposition (LO)
   • Opposition Whip (OW)

The role of the government and members of the government was to propose and defend the motion while the role of the opposition was to refute and negate the motion, proposed by the government. Scoring for individuals of each side was based on 2 criteria i.e. – MANNER and MATTER of presentation.

Day-1:
The day 1 of samvaad started at 9:30 am sharp with the inauguration ceremony wherein detailed information about the event "SAMVAAD" was given by Denisa Tony who also welcomed all the speakers, the samvaad council members and the debaters. She further stated the rules and regulations that needed to be followed during the debate.

All the participants were allotted their room numbers and their team ids along with the side which they will debate for a day prior and now it was the time to reveal the times they would be standing against with a WhatsApp group had already been created to communicate with all the participants wherein all the details including the meeting links were provided.

The topic for the Preliminary Round was:

The house believes that the Gandhian principles of 'non-violence' is a solution to present political scenarios around the world.

The preliminary rounds began in four different rooms at 10:30 am and was simultaneously carried out with various student in-charges and judges present, by 11:30 am. All the adjudicators were given google forms to submit their scores for each and every team after their chance to debate was done.

After careful analysis and understanding of the scores given by the judges the 8 teams qualified for Round 2 which was a Semi Final Round. The semifinal round started at 2:00 pm and ended at 3:30pm. There were two rooms containing four teams each for the semifinal round.

The topic for the Semifinal round was:

This house believes that Exploration of outer space is a waste of Economical Resources.

The winners of the Semi Final Round were: SV8 AND SV9.
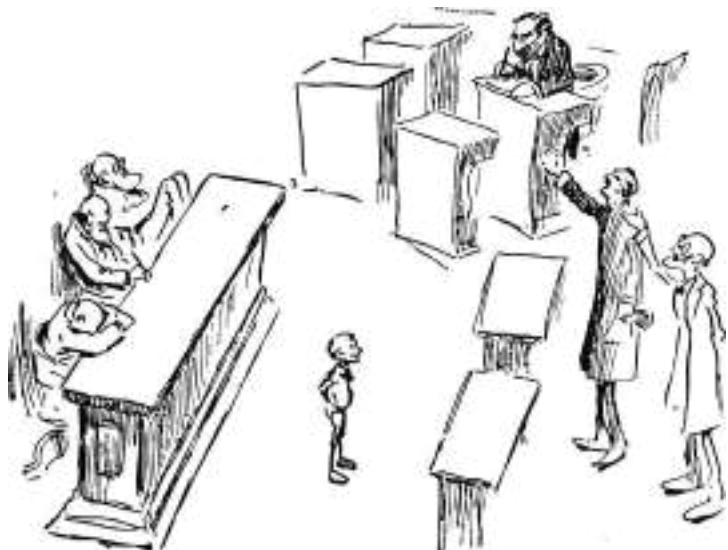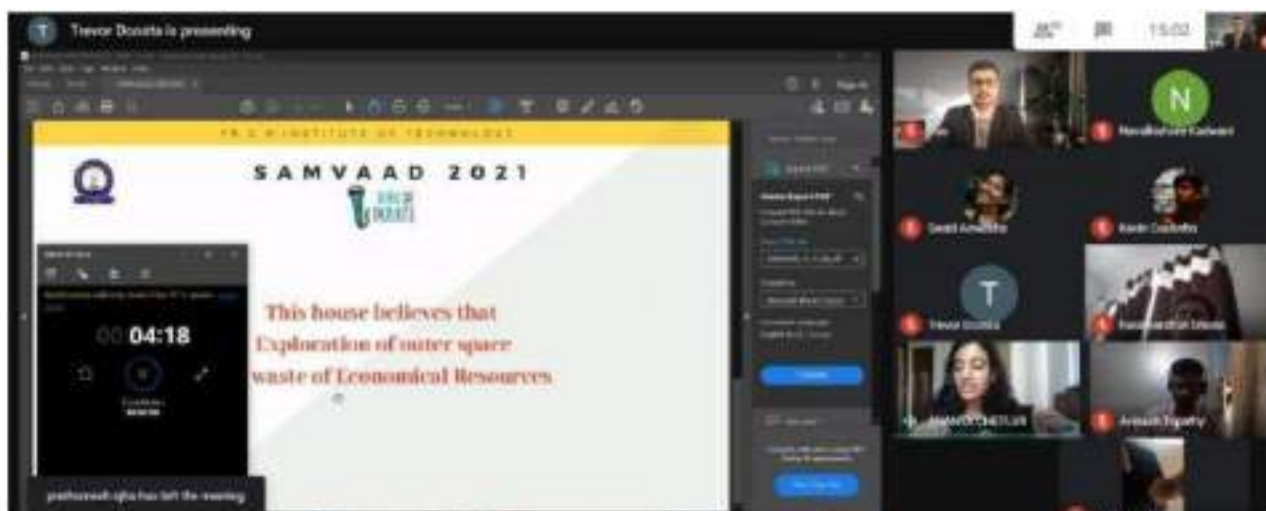
Day-2

The second and the final round of samvaad was conducted on 27th of February 2021 on google meet platform with around 35 attendees including students who qualified for the semifinal round, adjudicators, moderators as well as spectators. The final day of samvaad began at 10:00 am with the welcoming of everyone present with the inauguration speech. This was followed by introduction of the final teams to the spectators in addition to, introduction of the adjudicators.

The debate ended at 11:30 and then began the discussion among the judges for the winner of the competition. It was then announced that the team SV9 was the winner of the SAMVAAD 2021 Debate competition. In order to conclude the event, Kevin Coutinho gave the vote of thanks, thanking everyone in the meeting for making samvaad 2021 a great success!

The events would not have seen the light of the day and would not have been successful without the student and teacher-in-charges who worked day in and day out tirelessly for the smooth running of this event.

Marathi Mandal

माझ्या मराठी मातीचा, लावा ललाटास टिळा,
हिच्या संगाने जागल्या, दरयाखोऱ्यांतील शिळा.

~कुसुमाग्रज

In order to celebrate Marathi language and literature, the students and teachers of FCRIT has co-founded the Marathi Mandal club. The club largely focuses on activities based on Marathi art and literature. It has given the students a new dimension to explore their creative skills in writing and comprehension by creating a safe space and enthusiastic environment. It has proved to be one of the most successful club of FCRIT.

Marathi Rajbhasha Divas Sohala 2021

- Date: 27 February 2021
- Organizers: Marathi Mandal Organizing Committe

Faculty Members: Dr.S.M Khot(Principal of FCRIT), Prof. Megha Kolhekar, Dr.Nilaj Deshmukh, Prof. Anita Jadhav, Prof. Sanjay Rukhande, Chaitrali Yadav, Priyanka Jhondhale.

Marathi Mandal celebrated Marathi Bhasha Divas (i.e. Marathi language day) on 27 February 2021 by conducting an online event. The event was conducted online on Microsoft teams. The event began at 5:00 PM in the evening and got over by 8:15 PM in the late evening. The hosts for the event were Pratiksha Pawar and Sumedh Chinchmalatpure. The event was sponsored by 'Autodice'. There were in total of 52 people including the audience and the participants who attended the online event. The Principal of FCRIT college also attended the online event. The HODs of various departments, teachers, faculty members, students participated in the online event.

The event started with an introductory speech by Shruti Ghodke highlighting the glories of the Marathi Mandal and its various aspects. This was followed by a talk of Prof. Megha Kolhelar regarding the Marathi Mandal and its committee. Prof. Dr.Nilaj Deshmukh and then the Principal Dr S.M. Khot also added their valuable points. A short video was played thereafter which highlighted the events that Marathi Mandal had organized before.
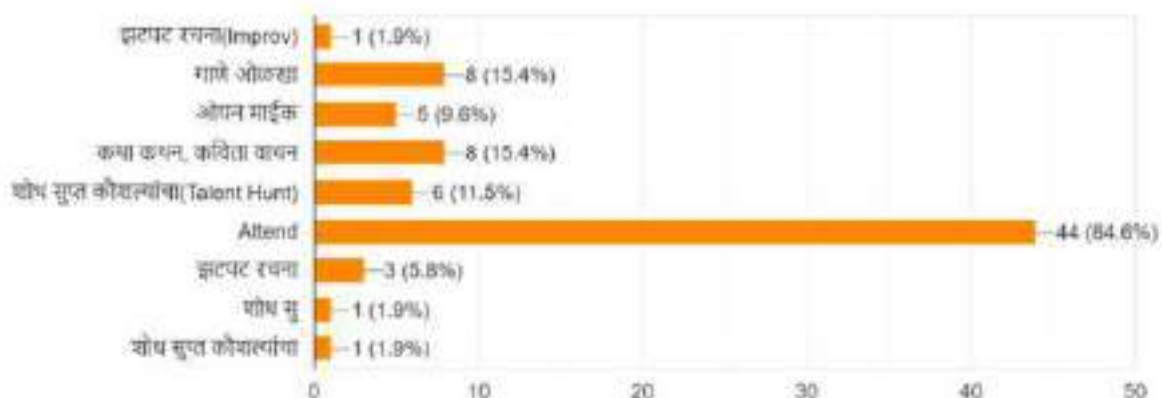
The first in line of the total activities of the online event was 'Word to speech Improvisation'. In this activity a word was given to the participant. Specific time was allotted to the participant to ponder over a word given and speak few sentences about it. The teaching staff such as Prof. Megha Kolhekar as well as Prof. Anita Jadhav took part in this activity.

The Story telling/Poetry recitation was the next event in line after Improvisation. There were in total of eight participants who actively involved themselves in this activity. However, after sometime, this activity was opened to all the audience. Two people from the audience came forward this activity and performed well.

Talent was followed by Storytelling/Poetry recitation activity. Talent hunt received six participants. Ritika Surve performed classical dance and Abhinav performed Monoact on 'Natasamrat'. Both the performances were pre-recorded videos and were played during the event.

Song identification by the tune which was another activity open to all the audience. A tune of a song was played and the audience were allowed to guess the song by raising their hand. Whoever raised their hand first were given the opportunity to guess the song and sing 2-3 lines of that song. The teachers and students actively participated in this activity.

The last activity in this event was 'Open mic' which was open to all the audience. Anybody wish to speak, sing, do comedy talk etc. were allowed to do so. One of the participants from the audience was Siddhi Darekar who spoke about the Marathi language whereas Saumitra Jagdale along with Shubham Suryavanshi sung 'Powada'. Prof. Sanjay Rukhande did poetry recitation for this activity.

Chaitrali Yadav and Priyanka Jondhale were two judges for the online event. The Judges decided the winners for the competition activities (i.e Talent Hunt and Improvistaion). The 1st prize for 'Talent Hunt' was awarded to Abhinav and 2nd prize to Siddhi Darekar. Similarly for improvisation, the 1st prize was awarded Abinav and 2nd to Prof. Anita Jadhav. For Storytelling and Poetry recitation, Sarvesh Shinde and Saurabh Kadusar were awarded respectively for their good performances. Whereas for the 'Open mic', Saumitra Jagdale and Shubham Suryavanshi were excellent regarding their Powada performance and were awarded for the same. The winners were awarded with book as their prize.

The entire Marathi Mandal event was handled by the Marathi Mandal Organizing Committee which had around 12 people. Vineet Kekatpure organized the meeting, whereas Sumedh Chinchmalatpure and Pratiksha Pawar were the hosts for the meeting. Adishree Sane prepared the slides for the event whereas Vaidehi Bag and Shruti Ghodke worked as a facilitator to all. Saumitra Jagdale at the backscreen did the recording of the entire event and streamed it on Youtube. Chinmay Vartak and Swanand Shembekar extended their help to the Mandal wherever required.

Finally, the event was concluded by the vote of thanks by the Marathi Mandal Representative. The show was indeed a success. The online event of Marathi Mandal was made available on Youtube.

Gudi Padwa

- Date:13 April 2021.
- Organizer: Marathi Mandal Council.
- Faculty Members: Prof. Megha Kolhekar, Prof. Rashmi Kale.

To celebrate the auspicious occasion of Gudhi Padhva, the marathi mandal organized an event, "Sohla Navvarshacha", which was to be held on 13th April 2021. The event consisted of two competitions, 'Decorate Gudhi' and 'Rangoli Competition' respectively. The registration process started on 4th April and ended on 10th April 2021. The participating students were asked to send beautiful pictures of their decorated Gudhi for the first competition. For the second competition, they were asked to send the pictures of their Rangolis. The best rangoli art and the best Gudi decoration was awarded.

The Council members took efforts to make this event successful. The following were the Council Members who all smoothly the event were:-
Vineet Kekatpure (Chairman), Mohit Kadam (Vice Chairman), Pratiksha Pawar (Treasurer), Vaidehi Bag (Secretary), Najuka (Council member), Swanand Shembekar (Council Member).

The winners of the event were awarded with a cash prize of Rs.51/- each. All financial matters were looked over by Vaidehi Bag and Pratiksha Pawar. The event ended on a good note.

Gurupurnima

- Date:24 July 2021.
- Organizer: Marathi Mandal Council.
- Faculty Members: Prof. Megha Kolhekar, Prof. Rashmi Kale.

Guru Purnima is a tradition dedicated to all the spiritual and academic Gurus, who are evolved or enlightened humans, ready to share their wisdom, based on Karma Yoga.

FCRIT Marathi Mandal celebrated Guru Purnima on 24 July 2021. The event was hosted online. The participants were given the opportunity to express their gratitude towards their favourite teacher. This was done through the Microsoft form circulated among the participants.

The Microsoft forms circulated among the participants collected messages from the participants. The messages collected were dedicated to various favourite teacher in accordance with the individual's choice. These messages collected from the participants were send to the respective teachers anonymously over their respective e-mail address.

The event received overall 8 responses. 3 messages were dedicated to the teachers from IT department. 1 message and 3 messages were dedicated to the teachers from EXTC and Electrical department respectively. 1 message was received for the teachers from Mechanical department

The council Members took efforts to make this event successful. The following were the council members: -
Vineet Kekatpure (Chairman), Mohit Kadam (Vice Chairman), Pratiksha Pawar (Treasurer), Vaidehi Bag (Secretary), Chinmay Vartak (Council Member), Najuka (Council member), Swanand Shembekar (Council Member).

Chinmay Vartak created the Microsoft forms that was circulated among the participants. Adishree Sane was in charge of creating the poster for the same. The responses received were e-mailed to the respective teacher anonymously by Vineet Kekatpure. The participants co-operation and council members efforts were indeed the driving force to success of this event.

Ganpati Decoration Competition

- Date:10 September 2021.
- Organizer: Marathi Mandal Organizing Committee.
- Faculty Members: Prof. Megha Kolhekar, Prof.Rashmi Kale.

FCRIT Marathi Mandal celebrated Ganesh Utsav 2021 by keeping an online event of Ganpati Decoration. The online event aimed at collecting the Ganpati Decoration photos from the participants. This was done through Google forms circulated. The fee for event registration for non-members was Rs.11/-.

The event received 6 responses from the participants. 2 responses each were from Electrical, IT and Mechanical department.

Among those 6 responses, 2 responses were from 2nd year, 3 responses from 3rd year and 1 response from 4th year.
The responses of Ganpati decoration photo were examined by the Rashmi Ma'am. After examining the photos 2 winners were declared for the same.
The first prize was awarded to Soham Tanpathak from Electrical department was awarded the first prize and Vijay Shinde from Electrical department were awarded the second prize. The winners were awarded with a cash prize of Rs.51/- each.

The Marathi Mandal Council Members took efforts to make this event successful. The following were the Marathi Mandal Council Members who executed the event: -
Vineet Kekatpure (Chairman), Mohit Kadam (Vice Chairman), Pratiksha Pawar (Treasurer), Vaidehi Bag (Secretary), Najuka (Council member), Swanand Shembekar (Council Member).
Rashmi Kale Ma'am from Electrical and Megha Kolhekar Ma'am from EXTC department helped in the smooth conduction of the event.
The participants co-operation and efforts of the Marathi Mandal council members were the driving force for the success of the event.

Weekly Vackprachar posting on Instagram

- Date: Every Tuesday
- Organizer: Marathi Mandal Organizing Committee.
- Faculty Members: Prof. Rashmi Kale, Prof Megha Kolhekar.

FCRIT Marathi Mandal has started a new initiative wherein the Mandal had been posting the vackprachars (proverbs) on the official Marathi Mandal Instagram account. The vackprachars are depicted through animation graphics that are easily graspable. The vackprachars are posted on the official Instagram account every Tuesday.

The Instagram posts are basically animation cartoon that display the vackprachar and its meaning in a very simple. The animation cartoon depicting the vackprachar are monitored by the faculty members before uploading.

The vackprachars are posted on every Tuesday basis on Instagram. Every Tuesday posting of vackprachar serves as a source of knowledge of daily Marathi speaking and motivation.

Do check the Marathi Mandal's page on every Tuesday for vackprachar.

FRAMES

Report on activities conducted by FRAMES Alumni Association of FCRIT, Vashi.

The committee started with a new venture called the connecTED series to bridge the gap between the alumni of the college and the current students of FCRIT, Vashi. Under this initiative, alumni from various work backgrounds were interviewed to help students get a perspective on career opportunities. This initiative is headed by Anshuta Kakuste computer sem7 along with other members in the team including Bhagyshree Laxminarayanan computer sem7, Khushi Singh IT sem7, Anika Rai EXTC sem5 Sarvesh Khamkar IT sem3, Sneha Jacob EXTC alumni, Jyotsna Nair EXTC sem5 and Meenal Tiwari EXTC sem5. The venture took shape in March 2020 and since then has been going on in full swing. Following is the list of alumnus being interviewed till date:

1. Mercy Joe (pass out 1998)
2. Ancy Bejoy (pass out 1998)
3. Aditya Bhatter (pass out 2013)
4. Ajinkya Pawar (pass out 2011)
5. Kenneth Sequeira (pass out 2007)
6. Sameet Nasnodkar (pass out 1998)
7. Jude D'silva (pass out 2018)
8. Jovan Menezas (pass out 2019)
9. Rishabh Goel (pass out 2011)
10. Jerome Rajan (pass out 2009)
11. Khadim Batti (pass out 1998)
12. Shubham Arora (pass out 2012)
13. Deepanjan Lamture (pass out 2016)
14. Karan Balkar (pass out 2012)
15. Aditya Paranjpe (pass out 2006)
16. Bhasker Banerjee (pass out 2011)
17. John Thomas (pass out 1998)

Along with this the committee also organized 'Inspiring Quarantine Story' as a quarterly event. It was held for people to come forward and express and share their pandemic stories. This initiative is headed by Abiah Philip EXTC sem7, Jini Biju EXTC alumni, Pratik Bhosale IT sem5

PHOTOGRAPHS

MUSIC CLUB

RHYTHM

Music Club- Rhythm

'If everything was perfect, you would never learn and you would never grow.'
– Beyoncé

With the thought of growing together and creating symphonizes of unity, the music club of FCRIT – 'Rhythm' is one big platform for musical artists to express themselves in harmony. Rhythm is a platform for all those artists who are a messenger that connect people with the souls and mind of people to their art of music.

The music club provide the opportunity to people to express the inner most feelings through various forms of musical skills and vocals. Rhythm started its journey in the year 2016 and has been evolving with time and culture and honing our music and talent. Rhythm's journey has been definitely upscaling and harmonic.

Independence Day: Singing event

FCRIT Council organized Independence Day event in collaboration with The Music Club - Rhythm with absolute colors of unity that shone on the grounds of FCRIT.

The event was held inside the campus area on 15th August, 2021 in the presence of faculty members, management and other performers of the day, maintaining social distancing and taking all measures according to the protocol laid down by the government. Rhythm performed, with three vocalists and four instrument performers, singing the songs of unity- a mashup of 'teri mitti' and 'maa tujhe salam' in a harmonic manner- echoing solidarity.

IMPROMPTU SESSION: "Jam with FCRIT"

The session was organized on online mode, on 17th August, 2021 inviting students from every semester. This session was a great chance for semester 1 students to interact with the rest of the college and enjoy at the same time. The expected number of students were 24 but a good number of participants joined and the spontaneity of each participant made this event a great success.

The aim of "Jam with FCRIT" was to organize an interactive session by gathering and showcasing their talent. For this event, pre-registrations were held through WhatsApp and Instagram, a convenient mode for students to register their participation. And the session was held on Microsoft Teams Application.

The session was divided into four parts/activities:

a) Stay in Rhythm: Students were divided into groups and had to sing together in a rhythm. Because of online mode, this activity was challenging and exciting.

b) Destroyed Songs: Reels from Instagram were shown on mute and participants had to guess a suitable song.

c) I'm Counting: A music artist was shown and the contender had to name as many songs as possible related to the artist shown and sing one of their songs in a limited time.

d) Charade'It: This activity is exactly what its name suggests. One has to charade a song, which means sing it on mute, and the other person had to guess the name of the song.

Each activity included groups and solo performances were also encouraged.

NATIONAL SERVICE SCHEME

(NSS)

Poster making competition on "Safe Internet Habits"

"Look before you leap and think before you click"

The cyber security club of the NSS unit of FCRIT organized a poster-making competition on the topic 'safe internet habits' on 5th February 2020. This event was conducted online and submissions were taken through a Google form. The aim of this event was to spread awareness about internet habits that one should adopt to be secure from any cyber threats.

The form link was circulated to all students who were interested. A variety of posters were submitted on different topics under 'safe internet habits', topics included were safe mobile habits, awareness, harms of the internet, do's and don'ts, etc.

Some of the posters were handmade but most of them were digital posters.

Three out of these were declared as the winners and their posters are featured on the original Instagram page 'NSS FCRIT'.
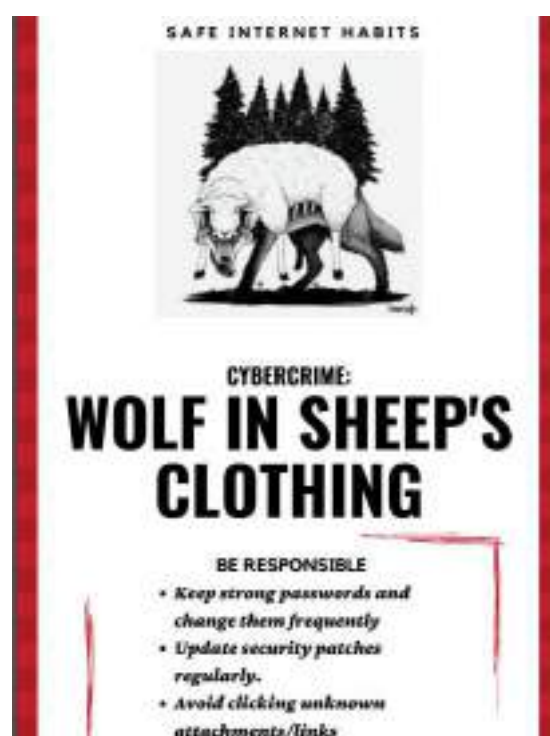
Animal welfare general awareness quiz

"Save the Earth one animal at a time"

The Animal Welfare Club of NSS Unit of Fr. C. Rodrigues Institute of Technology conducted an awareness quiz on 7th February 2021 via digital forms, to spread awareness about the general welfare of local wildlife among the youth.

The questions in the quiz were of intermediate difficulty with questions ranging from common GK questions to facts that were neglected in favour of misrepresented myths.
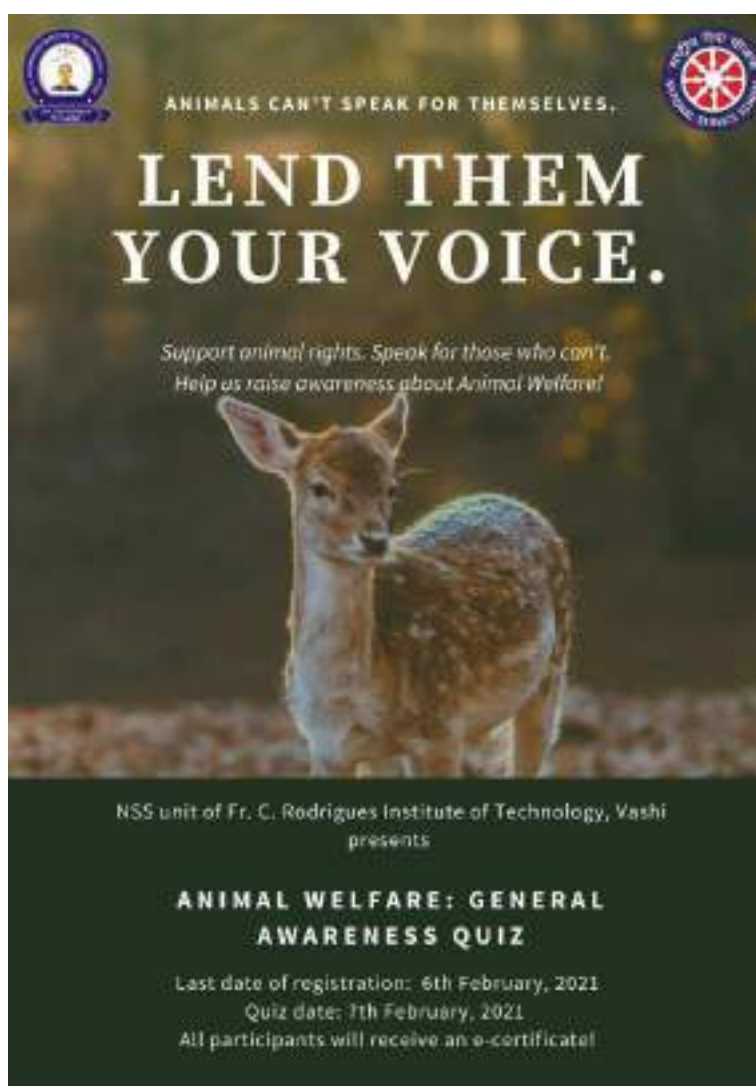
"Get Fit Don't Quit" (GFDQ challenge)

"Good things come to those who sweat for it. Be stronger than your strongest excuse."

Get Fit, Don't Quit challenge was organized under the Fit India theme of National Service Scheme (NSS), from 07th February 2021 to 28th February 2021. The primary motive of the event was to help participants gain back an active lifestyle by doing basic exercises like walking, etc. This event was conducted virtually for a duration of three weeks during which participants recorded their activity on the STRAVA mobile app. The STRAVA mobile app logs the details of the activity by first classifying it as either walking, jogging or cycling. The log also contains details like the time taken to complete and the distance covered. It generates a leaderboard based on activity of the club members. At the end of 21 days, three winners were declared for each of the three categories.
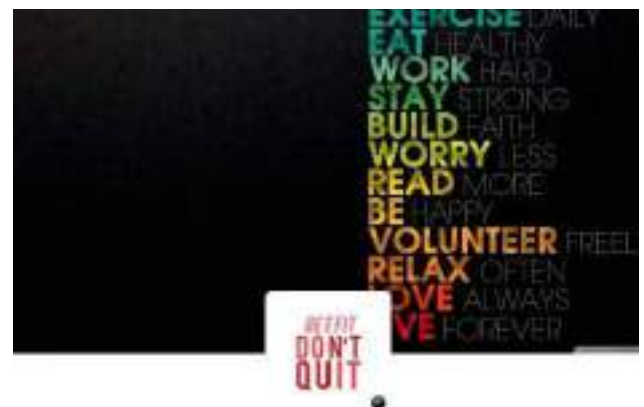
Get Fit, Don't Quit

⚠ • Navi Mumbai, Maharashtra • Invite-Only

"Go Fit, Don't Quit" is an initiative by NSS Unit of Fr Conceicao Rodrigues Institute of Technology, Vashi, to spread awareness on the importance of general exercise even in these difficult times. The event aims at getting you out to walk, jog and cycle for 21 days continuously and build a healthy habit.

If the benefit to your health was not enough, participants completing the simple tasks would be awarded certificates issued by NSS FCRIT.

"Vruksha Prashnavali" awareness quiz

"Take care of trees, and they will take care of you"

The Green Initiative club of NSS unit of FCRIT organized an Awareness Quiz competition on 9th February 2021. The event was conducted on Google form from 12 pm to 11:59 pm.

The quiz was available to all and anyone who wanted to give the quiz was allowed to do so. A registration form, poster and promotional message was circulated to every WhatsApp class group of FCRIT and was posted on our official Instagram handle. The promotion was done for 2 days i.e., 7th and 8th February. Further, once the registration was completed by 11:59 pm on 8th February, the quiz link was sent to the participants on their respective email id at 12pm on 9th February.

Several individuals, staff and students included, participated in the awareness quiz competition and each participant was awarded a participation certificate as an appreciation.

With the aim to increase awareness among people, registration was free and the link was available to everyone on 9th February, so that the ones who missed their chance during registration could still participate and learn. At each point of the event, members from the club were always present by sharing their contact numbers in the promotional message to help the event flow in ease.

Cybersecurity quiz and survey

"We invited new problems with technology, and we will use technology to solve them"

The cyber security club of the NSS unit of FCRIT organized an all-in-one quiz and survey on the topic 'Are you safe in the digital world?' on 13th February 2020, to determine if students can be safe from any cyber-attack from the knowledge they have.

This event was conducted online and submissions were taken through a Google form.

The form link was circulated to all students who were interested. Questions related to everyday habits and common usage of the internet were asked.

Some of the questions asked were:

1)Do your passwords contain Uppercase letters, Special characters, or numbers?

2)Does your Personal Computer have an Anti-Virus Software installed?

3)Does your smartphone have Anti-Virus Software installed?

4)How often do you change your passwords?

And many more...
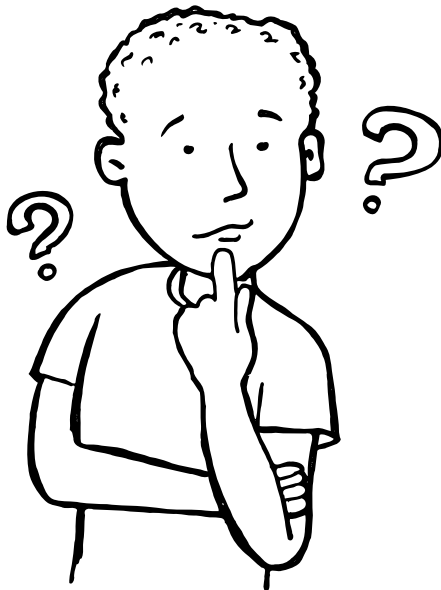
It was observed as a result that:

1)Majority of the people (55.4%) do not have an anti-virus installed on their smartphones.

2)Majority of the people (29.3%) never change their passwords.

Q9. How often do you backup your important data?
68 / 92 correct responses

- ✓ Once a Week — 23 (25%)
- ✓ Once a Month — 30 (32.9%)
- ✓ Once every 6 months — 15 (16.3%)
- Once a year — 13 (14.1%)
- Never — 11 (12%)
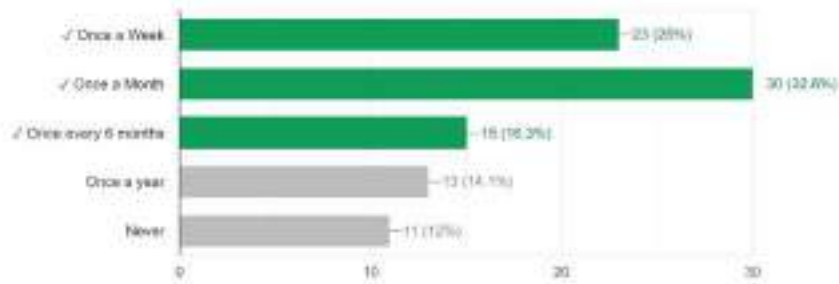
NATIONAL SERVICE SCHEME UNIT OF
FR. CONCEICAO RODRIGUES INSTITUTE
OF TECHNOLOGY, VASHI PRESENTS

ARE YOU SAFE IN THIS DIGITAL WORLD ?

BE AWARE, BE SECURE !

AN AWARENESS SURVEY ORGANISED BY
THE CYBER SECURITY CLUB UNDER
THE NATIONAL SERVICE SCHEME (NSS) UNIT OF
FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI

SAT | 13 FEB 2021 | 9 AM ONWARDS
Survey link closes at 11:59 pm
Win E-Certificates

Q4. How often do you change your passwords?
40 / 92 correct responses

- ✓ Every 3 months — 23 (25%)
- ✓ Every 6 months — 17 (14...)
- Once a Year — 25 (27.2%)
- Never — 27 (29.3%)

✓ Every 3 months
Count: 23

"Webinar on "Healthy Diet and Lifestyle Based on Yogic Philosophy"
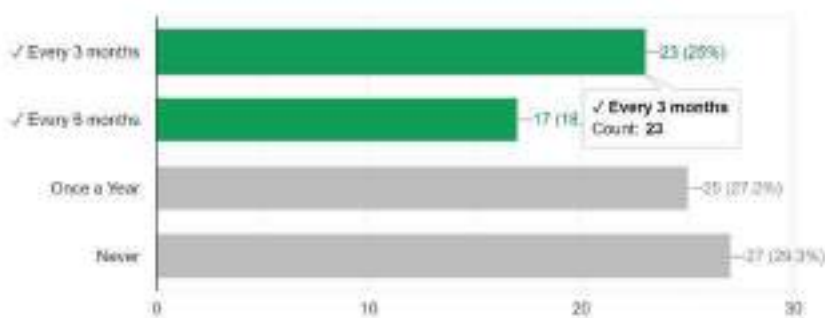
"The best investment you will ever make is for your own health"

The webinar on "Healthy Diet and Lifestyle Based on Yogic Philosophy" was conducted under the Fit India theme of the National Service Scheme, on 14th March 2021. The aims of this webinar were to promote a healthy lifestyle and to spread awareness about Yogic Philosophy

NSS had invited Mrs. Sheetal Malhotra who is a Diploma holder in Yog Vidya, and currently conducts Yog Session through Disha Yog virtually.

The speaker talked about the five elements (water, fire, earth, air, space), sources of the five key elements. She introduced the concept of Tridoshas (Vata, Pitta and Kapha).

Emphasis was given on the diet lifestyle followed by the yogic philosophy and the concepts revolving around it. Raw Vegetables, fruits were promoted and certain rules for eating were mentioned. The benefits of Basil, Gooseberry, Coconut and honey were mentioned.
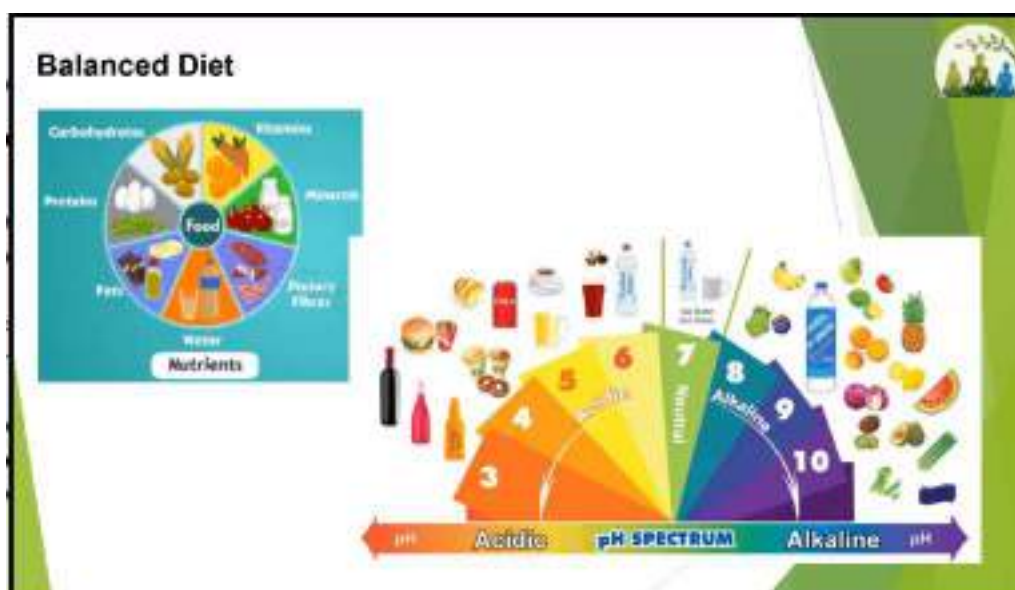
After the enlightenment on the Dietary style of Yogic philosophy, the eight steps of Ashtanga Yoga were discussed. Yogic Philosophy offers a dincharya that describes the routine one should follow throughout the day. An important aspect to help dealing with negative emotions was provided. Emphasis was given on resting for a short time, e.g., try Savasana, and the importance of having a positive perspective was highlighted. A suggestion was given to think creatively.

After the informative session was over, an interactive QnA session was conducted where participants cleared their doubts on sleep problems, avoiding negativity and anxiety. Certain doubts on dietary choices were cleared too.

Cyber security webinar on "The Secret to Cybersecurity"

"For every lock, there is always someone who wants to pick it"

The cyber security club of the NSS unit of FCRIT organized a webinar on the topic "The Secret to Cybersecurity" on 15th February 2020, in collaboration with Agnel Cyber Cell. This event was conducted on Microsoft teams. There were four presenters who are members from Agnel Cyber Cell and students from FCRIT, Vashi. There was active participation throughout the event.

Topics covered were current statistics on Cyber Crime, identity theft, cyber laws, securing social media accounts, passwords, user sanitation.

National Service Scheme (NSS) Unit of
Fr. Conceicao Rodrigues Institute of Technology,
Vashi presents

AGNEL CYBER CELL

THE SECRET TO
CYBERSECURITY
in collaboration with Agnel Cyber Cell

A simple plan to protect your family
and business from cybercrime

MONDAY | 15 FEB 2021 | 6 PM

"Selfie with my plant"

"Fruits of tomorrow are in the seeds of today"

The Green Initiative club of NSS unit of FCRIT organized an event, "Selfie With My Plant", which was launched on the 15th of February, to encourage growing plants at home and motivate the current plant growers to do even better, by showcasing their skills.

The participants were required to grow and nurture a plant in their home or garden for a fortnight and upload a selfie with it on the 30th of February, describing their experience briefly. The platform used for collecting the entries for this competition was Google forms and was open for everyone to join in. The link for the same was circulated on class groups as well as among family and friends along with an introductory message and a poster, which was also posted on the official Instagram handle. Each participant was awarded an appreciation certificate. The top 3 entries were selected from among the participants and the winners were featured on the official Instagram page.

Road Safety awareness quiz

"Alert today, alive tomorrow"

The Road Safety club of NSS unit of FCRIT organized an Awareness Quiz competition on 18th February 2021, which was aimed at making the roads and streets in India safer by raising awareness about how to avoid accidents and injuries while on the road. The event was conducted on Google form from 10 am onwards.

The quiz was available to all and anyone who wanted to give the quiz was allowed to do so. A registration form, poster and promotional message was circulated to every WhatsApp class group of FCRIT and was posted on our official Instagram handle. The promotion was done for 2 days i.e., 16th and 17th February. Further, once the registration was completed by 11:59 pm on 17th February, the quiz link was sent to the participants on their respective email id at 10 am on 18th February. Staff and students participated in the awareness quiz competition and each participant was awarded a participation certificate as an appreciation.

With the aim to increase awareness among people, the registration was free the link was available to everyone on 18th February, so that the ones who missed their chance during registration could still participate and learn.
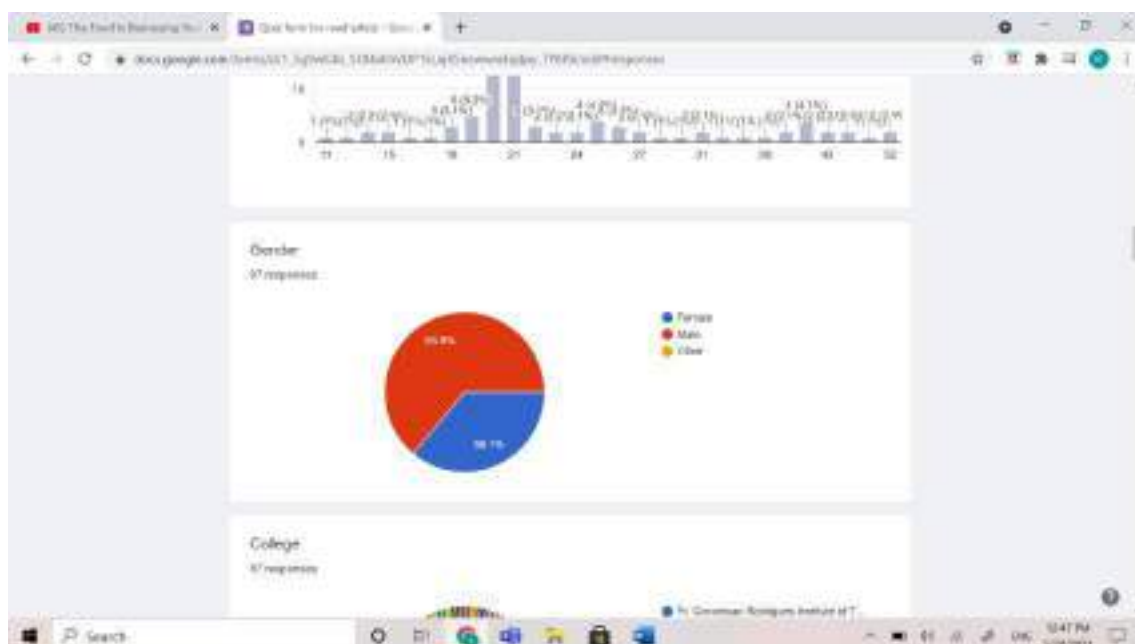
Poster making competition on "Animal Cruelty"

"We must speak for those who can't speak for themselves"

The Animal Welfare Club which is a part of NSS unit of FCRIT, Vashi conducted a virtual poster-making competition based on Animal Cruelty awareness on 20th February 2021.

The registration for the event was free and the students who were interested to take part were asked to submit their posters after the initial registration process.

The event had a total of 6 participants, who submitted their respective creative digital posters. Winners of the competition were decided based on the portrayal of the idea and how well the message on Animal Cruelty was conveyed.

E-Certificates were provided to all participating students and the top three winners were provided with special e-certificates for winning.

"Caring for birds"

"Sunsets and skies are not the same without birds. It's the little things that matter"

The animal welfare club of the NSS unit of FCRIT conducted the "caring for birds" event from 12th April to 30th April 2021, where participants were required to and offer food(seeds) and water to birds on the window sill, in a garden, balcony or terrace either directly or through a DIY bird feeder made out of easily available household waste materials. This was to ensure that birds do not starve and stay refreshed during the summer heat. The participants then submitted their entries through a drive link circulated along with the promotional message.

"Vaccination and Covid Resources Awareness Drive"

"Vaccines are the armour that your body needs to fight against the toughest disease"

The NSS Unit of Fr. C. Rodrigues Institute of Technology, recognizing protection against the second wave of the pandemic as the need of the hour, assembled the following from various credible sources:

- Registration for Vaccine through Arogya Setu App (video, courtesy of GoI) www.youtube.com/watch?v=XmA0-_e2gpQ
- Registration for vaccination via COWIN website (pdf, courtesy of GoI) https://bit.ly/3swJgl8
- FAQs regarding vaccination (pdf, courtesy of GoI) https://bit.ly/3mXvx5E
- How do Vaccines Work? (video, courtesy of NSS Mumbai University) https://www.youtube.com/watch?v=s9O4bSFwfts
- Resources such as Ventilators, Remdesivir etc. (Courtesy of theuncutteam) https://bit.ly/3eaORIM
- Government helpline and toll-free number for queries related to vaccination

The message was circulated throughout the college Whatsapp groups as well as on respective social media handles of students of the college, on 16th April 2021. Furthermore, many students registered for their first dose of vaccine when the slots were open. The aim of this drive was to provide the general population with help to register for vaccination as well as providing links to resources that would be useful during the crucial Second Wave period of the pandemic.

Busting Myths related to Vaccination

"Go through your books and stand by the truth"

India began vaccinating huge masses of the population, starting April 2021. However, given the prevalence of huge amounts of misinformation due to ill-informed social handles, the vaccination drive was met with resistance on its first lap. In order to help with clearing this smog of misunderstanding, the NSS Unit of our college decided to take some time out to research and generate awareness related to this issue.

Consecutive posts were published on the Instagram handle of NSS Unit of Fr C. Rodrigues Institute of Technology, from 20th April 2021 to 4th May 2021, which focused on a fact-based approach to clear out the common misconceptions which people carry with them against the vaccine.
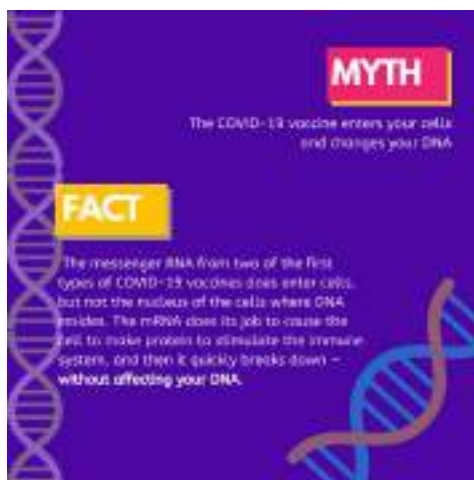
Poster Making campaign on "Save Water"

"It will be too late to cry when the last well goes dry"

The Green Initiative club of NSS unit of FCRIT organized a Poster Making Campaign on the topic "Save Water", on 25th May 2021. The submission of posters was taken through Google form up to 11:59 pm. Through this event, participants beautifully depicted their own feelings and awareness about saving water, even when exams were in the course. Some of these participants also shared their posters on social media like Instagram and Facebook to spread awareness regarding water conservation. This activity was aimed at increasing the awareness of the consumers about the scarcity of clean water and teaching them to use water wisely.

"YuWaah Echoes"

"The youth of today are the leaders of tomorrow"

The NSS unit of Fr. C. Rodrigues Institute of Technology(on behalf of AICTE) invited students to take part in YuWaah Echoes, an initiative by Unicef, YuWahh and partner organizations. This comprised of an exciting series of events that encouraged students to become #YoungWarriors to fight against Covid-19, through a unique learning and experiential journey. A promotional message was circulated on the 29th of August and the participants utilized the opportunity to learn, innovate and showcase their skills through activities like:
1) Solve-A-thon : An innovation challenge for the Youth on COVID 19
2) Artists Unite : Hybrid space for youth to self-expression through art
3) COVID Academy : Attend knowledge-building sessions around COVID-19
4) Quiz Masters : A multilevel quiz on COVID 19 and many more...
The progress of the students in these activities was recorded and acknowledged through a google form, which was attached along with the promotional message. Several volunteers were assigned to guide the students through the activities and to clear any doubts that they had in mind regarding this event.

CREATIVE
CORNER

Hang on! It will end one day

The world now needs a dose of kindness,
Clouds of sorrows everywhere, we need showers of
happiness.

Mental health in this times is first to be looked
before physical,
Old beliefs are hurting us, it's time for us to think
radical.

People now is the time for us to show big hearts,
Offering a helping hand is all where it starts.

Every form of life is suffering, so let's be kind,
This is not the time for differences to make us blind.

The going might get tougher, but don't lose hope,
Be strong, Hang on tightly and climb up the rope.

This is the time when our loved ones get care,
Sorrows seem small when people start to share.

Fighting this together we would see the shining sun
on the other side,
Dealing with kindness we leave no space for
discriminations to hide.

-Harshal Mishra

Flower

Today I'm going to tell you briefly about life of a flower,
Symbol of love, Feel it by taking this shower.

It grooms in the hopes of blistering sunlight,
And it blossoms in the soothing cold midnight.

Freshening up for us on those beautiful mornings,
So that we wake up with that divine fragrance and big yawning's.

Teachings of kindness printed all over the blackboard,
Sacrifices what a flower makes, we humans can't afford.

Learn to find beauty in those tiny delicate petals,
It's time to free ourselves from the fascination of hard metals.

Big hearted to the needy ones for food,
Sticking with it's leafy family, it keeps it's conscience good.

With it's pleasant beauty at the peak,
But at the end when it's time to shred, it tries to sneak.

With lifespan of a cloud and with pretty and loveable looks,
And yet it tries to add colors in the living black and white books.

Irony is in what I'm going to say,
A flower does all this in just a life of a day.

-Harshal Mishra

Sunlight

Forget Earth, Travelling through galaxies and space,
It's somewhere through sunlight start it's race.

Being punctual everyday, What is it's thing?
What is the package that it has to bring.

Answers to these entangling queries are too simple,
Complications of ours it has to kindle.

Blinding our vision it shines so bright,
Lighting the fire in us for a constant fight.

Travelling along millions of stars to give us hope,
Boosting our confidence, refraining you from saying nope.

Journey through the light years and it still possess the power
to burn,
My friend don't be afraid of the dark all you need to do is
just turn.

It makes your strength to reflect shine so bright,
Helping us by hiding our weakness from world's dark sight.

And when you feel you are too weak with no place to hide,
You need to turn around because you are facing the wrong
side.

Remember how much ever difficult the situations might,
All it takes is a light within yourself to kiss the dark good
night.

-Harshal Mishra

"THE LIFE OF THE ERA"

For the period was never over
The story lies in the eyes of the beholder
One that's been long forever
And is a portrayer
It is never that colder or warmer
But the one who is a former
Memories back the lane are merrier
For the period was never over

It is those times
Where the hard work never perishes
And when looked back the era cherishes
For the moment lives in those shining eyes
It's the one who lived them right
The burns light bright
Indicating the daylight shined fined

They're aged but not old
For the right times they hold
It's their experiences who spoke
The world never knows
It's the one who sows
For the times that reaps and are always older
For the period was never over

                                        --DEVOUSHKA YADAV

What a wonderful world

It was the best of times
It was the worst of times

It was the age of wisdom,
It was the age of foolishness

It was the epoch of belief,
It was the epoch of incredulity

it was the season of Light,
it was the season of Darkness

it was the spring of hope,
it was the winter of despair

Many had the best year of their lives
Some didn't even complete it

Many had the best treatment
Some perished while finding it

Many had a house to enjoy
Some had to migrate to have a roof

Many earned what they lost
Some lost what they earned

Many are waiting for the sunrise
Some are still lost in the darkness
What a wonderful world

- Snowson Joseph

74 YEARS OF INDEPENDENCE

74 years of independence. The glory. The success. The immortal history of war which is already written with a golden word; victory.

But with passing years, I question the victory we won. Why? Because in these 74 years of independence, I have lived nearly 2 decades. And believe it or not, I have seen independence changing. And I tend to express it. Do you want to know how? Keep reading.

Let's start with why do we celebrate independence? What is the occasion? You'll say, 'Sweekrati, stop asking dumb questions. We got freedom from British rule and we could successfully breathe in our own country's air without being a prisoner or slave.' I'll say, there are two reasons we celebrate this occasion. One, that you already mentioned, and the one which you probably thought about it first, but said the logical one. What am I talking about? Obviously, the partition between India and Pakistan. The immortal history of war. You may ask, 'what's the point?' Glad you asked. The point is that we celebrate independence for the wrong reason. We celebrate it for victory. 'So, what's wrong? We did win!' Yes, we did. But we won for peace. Not for showing defeat. Or did we?

Have you ever heard the word "free media"? if not, don't worry. We'll find out together. According to Wikipedia, freedom of the press or freedom of the media is the principle that communication and expression through various media, including printed and electronic media, especially published materials, should be considered a right to exercise freely. Free media has been a concept in India since Independence, even though the government of India used to control it.

Doordrashan- the most talked satellite channel. A controlled media that was operated by the Ministry of Information and Broadcasting, and was one of Prasar Bharati's two divisions. But as we know, the media evolved, externally and internally. It evolved from government control to private media, and we considered that as free media. And internally, it evolved in presenting and telecasting headlines to gain TRP. Now, I'm not going to talk about how controlled it was in those days and how free it is now. I wasn't born back then, sorry. But let's talk about what we saw after 2000's, or what 'I saw'. "India's worst Hindu-Muslim violence in decade rocked the state of Gujarat". "Biggest scam in the history of Independent India- 2G scam". "The student who died for Dalit rights- This is an institutional murder". "Indian economy facing unprecedented recession". "Income Tax official conduct searches at multiple premises linked to Dainik Bhaskar. 'It's obvious we have been targeted for covid coverage'- alleges Sudhir Agrawal, Managing Director of DB Corp". These are not my words, but the media itself.

Now again, what does "free media" mean? Honestly, I don't know. The meaning it creates in my mind is really different from reality. To me, it means the ability to express one's opinion and free interpretation of the information provided or came in view of. But is this the reality? Rhapsody- the newsletter of FCRIT, is also a media for the students of FCRIT. Is it free media? Well, if you are reading this small article right now inside the new issue of the newsletter, then you already know the answer.

-Sweekrati Giri
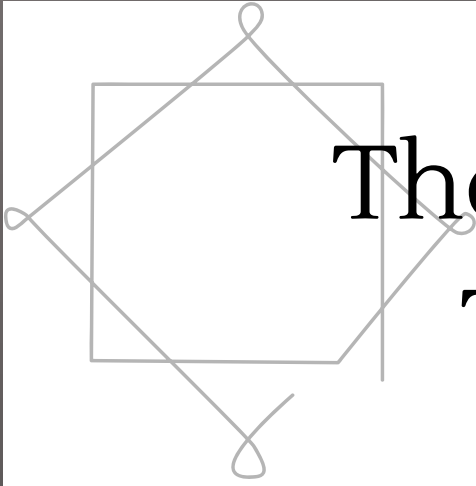
The Epiphany in Tomorrow

Confined within defines and the beauty to behold
She found herself alone compelled to be bold
Bright lights to style a perfect shadow
Her history an allegory of contrived shallows
Inside conception what she sought to see
Society- the sightless crowd they felt deceived
"What do you think you are doing" They said
Dismissing her existence to their dissent
Narratives to usher the hazards of her beauty
clinging locks over her chains of duty
Like a rock she kept all her resilience
Today they admire her for all her persistence
But in all her allusions of glory in bold
The epiphany of cause was indubitably scorned
The epoch to her ambitious aisle to victory
Was littered with a glittered mystery
For all in favor is conveniently impeding
While expedient desideratum is eerily pending
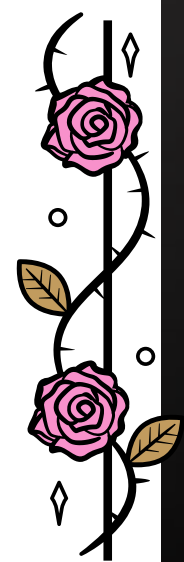
-Ritwik Saraf

Creating a tale...

A tale usually starts with "Once upon a time….", but do you really think it's always a "Once upon a time", and not "And that's the end, now begins a new tale"? A new tale always starts with the end of another tale, each event is connected to one and another like death and birth. We really don't know if rebirth is a true concept or not, but if it's true then death and birth is always an end and start for a tale.

You don't believe me? Here is an example; do you know Fawkes? Yes, Dumbledore's pet from Harry Potter. So, Fawkes was the bird who lives for 500 years then turns into ashes and takes rebirth from his own ash. 500 years a lifetime, a tale turns into ash to give birth to a new tale. Likewise, our life is also a tale. Each event right from our birth till death is connected. Our 1st chapter starts with a beautiful cry, opening our eyes for the first time to start our once upon a time. The 2nd chapter opens with learning of the basic skills of eating, walking, talking, laughing. The skills leading towards the 3rd chapter; schooling, making friends, discovering new hobbies, discovering the real world, discovering our strengths and weaknesses. In this chapter we learn to grow and evolve ourselves for the next chapter. The chapter where we become competitive and emotional at the same time; a life changing chapter. In which we compete with others to make a progressive and successful life. Also, we meet a new emotion called love, that intense feeling towards someone that it feels like time has stopped when they are around us. This chapter is enclosed with a lot of treasures within it, the treasure of success, failure, heartbreaks but most importantly treasure of stronger and braver you.

With this new you, the next chapter begins; the chapter of learning and understanding our responsibilities. The main element of this chapter is discovering our true passion and working towards it. We try and fail but never give up, we grow, we find our happiness along with fulfilling all our responsibilities. Then comes the final chapter, a beautiful end where we can see how we started and where we have reached. We can see the connections between each chapter and how it affects the next one. We can see how beautifully we thread each pearl called chapter into a necklace called tale.

Yes, each chapter is a real pearl which is always unique in its own way not having definite shape and size. Life is sea and pearls are our treasure, we all find our pearls and thread them to form our necklace. All chapters are unique in their own way but at the end they are thread to form a necklace. This necklace is our whole once upon a time. And finally, we turn into ash for a new epoch; a new tale.

"Once upon a time, there was a smith..."
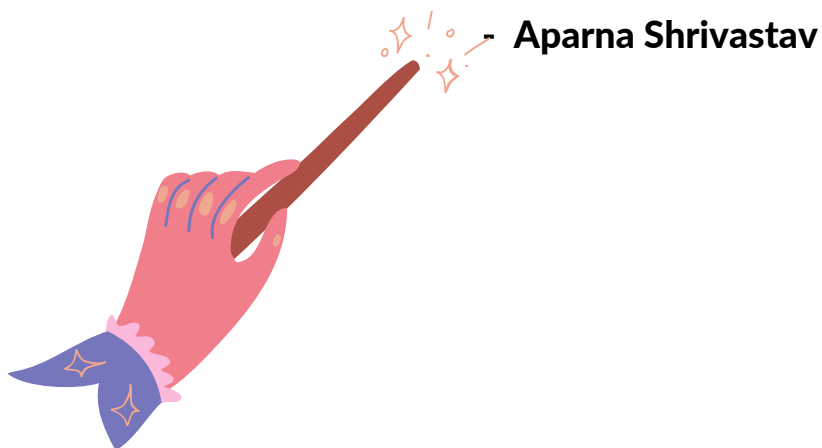
- Aparna Shrivastav

INTERVIEW SECTION

Dr Bindu Ma'am

Introduction: Dr Bindu Ma'am has been a teaching faculty since the inception of Fr. Conceicao Rodrigues Institute of Technology back in 1994. Before doing so Ma'am worked as a teacher in the DY Patil Institute of Technology for a year and a half. Bindu Ma'am is one of the oldest Faculty members of our college. During her Tenure in college, Dr Bindu has taken up multiple roles in FCRIT Vashi such as a Mentor, a Teacher, a HOD as well as currently the Dean Of Student Affairs. She was also a part of the first team to help step up the labs in FCRIT Vashi. During her 28 years at this college, Dr Bindu Ma'am completed her Masters as well as her PHD in the field of Power Systems from VJTI.

Q1 For someone who hasn't heard about Power Systems, what would the Fundamentals of this field Consist of?

Ans: Power system fundamentals consists of Generation, Transmission and Distribution. Without Generation of energy, one cannot tramisit that energy and then to receive that electric at each individual household. The main fundamentals consists of these three core aspects while we the customer are a part of the Distribution part.

Q2 As you found your passion in the Power System Field, did you work in the industry as well before being a teacher? If not why so?

Ans: Not really as I directly began as a teacher. Actually the first opportunity I had received after my graduation was as a teacher. While starting off as a teacher I found my feet and started enjoying my work being one.

Q3 When you started off as a teacher, What were certain difficulties you faced?

Ans: When I started teaching in DY Patil College of Engineering, My area of studies was in electrical while I was teaching Electronics. Due to this I was asked to teach certain basic subjects of electronics such as the logic circuits. During those days for an one hour lecture, I remember taking 2 days to prepare my resources.

Q4 As you had joined this college 28 years ago, Do you remember certain details about our college back then?

Ans: I had joined Father Agnel Vashi on the 8th of August 1994. That was the beginning of our degree college. Currently many students might feel the college is quite strict right now. But the level of strictness was much higher when I had joined. It was compulsory for students to reach by 8:30 am and attend the assemble, 8:45 am lectures would start until 3:30 in the afternoon. Back when we started, we didn't have much space. We were sharing the classrooms with the Diploma Branch as well. Due to this our timings were from 10:45 am to 5:45 pm. Students back then who had taken admissions were following the rules.

Q5 What would you feel was the difference in the mentality of students when you had started teaching until just before the Pandemic started?

Ans: Students of the first batch weren't very serious due to the delay of admission but they were good students. But the efficiency graph when you take into consideration, the graph started to rise from the 1994 until 2014 at a constant rate it had been rising. This could be due to the teaching pattern and discipline we used to use. This could also be credited due to the lack of many Engineering Colleges in our city at that time. But since the inflation which rose in 2014, the attitude of the students has changed quite a bit. Since then there is has been a constant rise and fall in the graph. This could be due to the value of the Engineering degree Globally reducing drastically.

Q6 As a Teacher, How do you feel the pandemic has affected learning in students?

Ans: I don't know if students would agree on this but since the pandemic started, the learning of students has decreased a lot . It would be tough for the students to concentrate in front of a screen one hour at a time. The teacher student interaction, eye contact which makes someone want to be there in the class and attend is missing.

Q7 What are some things that you have a passion in other than teaching?

Ans: Other than teaching, I am passionate about reading, not a specific genre. I tend to lean to read books from various genres. I enjoy Gardening as well as a tiny bit of cooking. The last book I had read was the Forest Of Enchantment. I do have a small hanging garden consisting of small flowering plants.

Q8 Do you have a motto that you follow in your life that you follow?

Ans: Don't expect any direct output, work your level best each time. If you put forth your 100% sincerity to your work, outcome will come follow you.

Q9 If you would like to tell something to the students right now, what would that be?

Ans: Currently most students perspective towards learning has changed. Either it is offline or Online mode of students, students should concentrate on how much their knowledge should be enhanced. Always think in relation to yourself, not the college or the teachers. Look clearly at your goals for your future and set your milestones and add the other various activities you wish to complete. Keep a roadmap and attain to that and keep a clear goal of the next 4 years, what you wish to do.

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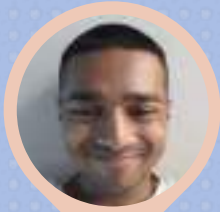
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