



**IEEE FCRIT SB**

*Presents*

**BLOOM**

**ERA WHICH STAYS LIFE LONG**

**WE PRESNET EVENTS AND ENTIRE FUN OF YEAR 2021-22 TO YOU!**

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# ABOUT FCRIT



Fr. C. Rodrigues Institute of Technology was established in 1994 as an extension of the pioneering efforts of the Agnel Ashram fathers in the arena of Technical Education with the relentless pursuit of excellence as its guiding force. Fr.CRIT in a short span of time established itself as a leading Engineering college in Mumbai, bagging at least one university 1st rank every year starting with its first graduating batch.

The Government of Maharashtra awarded Fr.C.R.I.T. an A grade in its initial assessment in recognition of the fact that it provides high-quality, value-based technical education made possible by its devoted staff and extensive facilities.

The college prides itself on being one of the few that has accreditation for all five branches. Though its reputation rests mainly on the high quality, value-based technical education that it imparts, it has to its credit a verdant, well-maintained Campus and extensive facilities. It has also made its mark in sports, extra-curricular and co-curricular activities.



# VISION AND MISSION

## FCRIT VISION:

To evolve and flourish as a progressive centre for modern technical education, stirring creativity in every student leading to self-sustainable professionals, through holistic development; nurtured by strength and legitimate pride of Indian values and ethics.



## MISSION:

- To provide industry oriented quality education.
- To provide holistic environment for overall personal development.
- To foster relationship with other institute of repute, alumni and industry.



# ABOUT IEEE FCRIT SB

IEEE student branch Fr. C.R.I.T, Vashi was created in the year 2000. Since then the student chapter has been organizing various intra-collegiate events. Our mission is to provide the students with a platform and opportunity to enhance their abilities while motivating them to make new advances in technology.



We aim to develop communication, leadership, technical, and other soft skills for our members.

We have organized a STEM workshop to inculcate young minds in the engineering field. We have also organized a Solar lamp Distribution for two villages that required it. In addition to these, we have organized a number of other events, webinars, and workshops relating to technical and non-technical areas.

IEEE FCRIT would like to express our heartfelt gratitude to our esteemed principal Dr. S. M. Khot, respected HOD of Electrical Engineering Dr. Bindu S, our Branch counselor Dr. Mini Rajeev, and last but not least our whole student chapter for all their contributions to the advancement of IEEE FCRIT.





# FROM OUR BRANCH COUNSELOR



IEEE FCRIT student chapter has grown rapidly since its inception in the year 2000 and has been committed to organizing various activities for the overall development of students. Learning that takes place outside the four walls of the classroom have a wide range of benefits for the student community in addition to the technical knowledge that they gain in the classrooms and this transforms them to holistic individuals contributing more towards the society.

With the inspiration derived from the motivational quote of Helen Keller, "Alone we can do little, together we can do so much", various events were organized by the enthusiastic team of students in the year 2021-2022. I take this opportunity to congratulate all the passionate members of the 2021-2022 IEEE students chapter, for their wholehearted support and coordination in successfully conducting numerous events throughout the year. These events include seminars in several topics, yoga sessions, STEM education in schools, project competition, poster competition, soft skills training, solar lamp distribution in remote villages, etc. I am extremely thankful to the IEEE Bombay section for sponsoring STEM education in schools and Crompton Greaves CSR foundation for their financial support for solar lamp distribution in villages. These societal activities will definitely evolve students as compassionate, considerate, and responsible citizens.

I appreciate the collective efforts of the team in bringing out this magazine which is released every year. Thanks are due to Dr. Bindu S., HoD of Electrical Engineering department and Dr. S.M. Khot, Principal, all other HoD's and teaching and non-teaching staff members for the support and guidance provided for conducting these activities. I wish all the student community who worked for IEEE FCRIT student chapter, a bright future ahead.

-Dr. Mini Rajeev  
IEEE Branch Counselor

# FROM OUR HEAD OF DEPT



Institute of Electrical and Electronics Engineers (IEEE) is an organization comprised of scientists, engineers, and students formed to favour and expose the technical innovations for the benefit of humanity. IEEE members get information about local events and activities from IEEE website. The activities at institute level is planned and organized by the institute branch council.

Being a member in the council students develop strong leadership skills. It also boosts confidence and leads to self-development. This gives a platform for students to interact with technocrats and involve in activities for social benefits. So I request every student to come forward and be the part of FCRIT, IEEE student council, which will help you to evolve and flourish as a fruitful engineer.

-Dr. Bindu S  
Head of Department,  
Electrical Engineering

# FROM THE DESK OF IEEE CHAIRPERSON



Hola everyone!!! IEEE a technical organization which immensely helps engineers all over the world to flourish their knowledge and technical skill set. IEEE FCRIT SB has also grown a lot since its establishment, its progress can be visualised within eyes of students. As Chairperson of IEEE FCRIT SB I aimed to make everyone grow, which indeed is the result of each and everyone's efforts. IEEE FCRIT SB not only conducted technical events but also many social health related events. We all have understood the importance of healthy well being in this pandemic.

Apart from this We also conducted STEM EDUCATION which helped Students, to have an open mindset to explore and have a keen look into electronics and electrical domain, in this we achieved success rate of 97% among Students and peer groups. Solar lamp distribution another major and eye-opening event which not only helped villages but also gave us different perspective to see our lives.

Whether it be pandemic or just our normal ongoing life, online or offline IEEE FCRIT SB has always encouraged students to develop, grow and build themselves in a positive way. We motivate students through our events which ultimately build their leadership, communication and competitiveness to sustain in today's era. I believe when one person believes in themselves there are no boundaries for his/her success. In this year 2021-22 IEEE FCRIT SB has 95% growth rate for conduction of events and Department diversity in council has increased to 80%.

I appreciate and Thank every one for their support, wishes and guidance . Special Thanks to Dr. Mini Rajeev Branch Counselor of IEEE FCRIT SB, Dr. Bindu S., HoD of Electrical Engineering department and Dr. S.M. Khot, Principal for their guidance provided for conducting these events. I believe IEEE FCRIT SB has more potential to grow and succeed in upcoming years. Best wishes from IEEE FCRIT SB 2021-22.

Neha Mandelkar  
IEEE FCRIT, Chairperson

# FROM THE DESK OF THE IEEE COUNCIL

**Vice Chairperson:** Divya Vyas



*A 3rd year Electrical student, who knows how to work in a team and make things happen in the most awesome way.*

**Secretary:** Devanshi Nigam



*A 3rd year EXTC student, is reliable and is always looking for the next big thing for the team .She has a great insight in the technical sphere.*

**Treasurer:** Saish Chalke



*A 3rd year Electrical Student, is a scintillating steadfast and sensible person.*

**Publicity Head:** Anika Rai



*A third year EXTC student is an easy going person who strives to portray all ideas with refinement and certainty.*

## Deputy Publicity Head: Rishabh Mhatre



*A 3rd year Electrical student, is a witty and informative person who is automatically looking to improve anything he puts his hands into.*

## Membership Head: Devanshi Singh



*A 3rd year EXTC student, she's a cheerful and friendly person, ready to gab at all times just about anything.*

## Deputy Membership Head: Vrukshal Rajput



*A 3rd year Electrical student, is a person of unquestioned integrity with a determination to succeed.*

## Program Head

## Yash Barhate



*A 3rd year Extc student, has a knack for resourcefulness, determination and has good observation skills.*

## Deputy Program Head: Pranav Tonapi



*A 3rd year Electrical student, is a witty and informative person who is automatically looking to improve anything he puts his hands into.*

## Finance Head:

## Anush Malik



*A 3rd year Electrical student, is result oriented, organized and a highly ambitious person.*

## Power Electronics Head: Harsh Survase



*A 3rd year electrical student, exudes the desire to learn everything that comes his way.*

## Power Electronics Head: Shivani Sharma



*A 3rd yr electrical student with an amazing personality, who is straight forward and blends smoothly in a team.*



# WEBINAR ON "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 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 was conducted for the students of FCRIT. The speaker, Dr. B. Satyanarayana gave an informative and insightful presentation about the benefits of being a member of IEEE.

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.



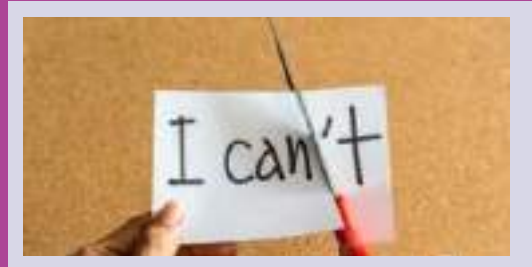
The presentations provided a wide range of information about various significant aspects of IEEE. The students became acquainted with the brief history, benefits, and achievements of IEEE.



# WEBINAR ON "HOW TO HANDLE FAILURES"

*Success is not final. Failure is not fatal. It's the courage to continue that counts.*

*-Winston Churchill*



The event "How to handle failures" was organised on 8th October 2021 at 5pm. The speaker for the event was 'Capt. Ramesh Babu'.

The event began with students addressing the different failures they experienced, especially at such a 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.



The event had a great atmosphere, thanks to the enlightenment by the speaker on different types of failures one might go through and thoughtful ways to tackle them.

The event overall has quite a good response from all the audience. It was observed to have quite an interaction.

This event manages to satisfy its main objective and concluded by giving the present audience a broader perspective of dealing with the troubles in different phases of life.

# WEBINAR ON "FINANCIAL LITERACY"

The event "Financial Literacy" was organized on 23rd October 2021 at 5.30 pm. The speaker for the event was 'Mr. Bhargav Mevawala'. The seminar gave a simple idea on Financial Literacy



The main objective of the seminar was to reveal the knowledge of Financial Literacy and the Importance of savings in our life also how to convert it into our expenses from a professional. The goal was to encourage the students to take advantage of Financial Literacy To invest their money in the future.

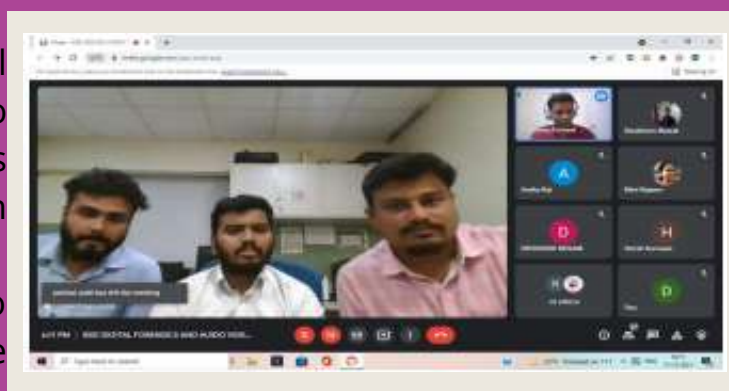
The speaker explained various things like where to invest like in Equity, Debit/fixed Income, cash & equivalent, and Alternatives also. The event commenced, with the students getting brief Information about the various asset classes, features, stock market losses, and speculations of Financial Literacy. 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.



Majority of the students found the session to be helpful and interesting for the future benefits of knowledge of Financial Literacy for correct investments.

# WEBINAR ON "DIGITAL FORENSICS AND AUDIO VIDEO FORENSICS"

The event "Digital forensics and Audio Video forensics" was organized on 11th December 2021 between 5pm to 6:30pm, on a Google meet, online.



The event was begun by Saraswati vandana and the lighting lamp ceremony by Vamsee at 5pm on 11th December. Then after speakers from Helik advisory were introduced by Anika. All the three speakers- Mr. Niteen Paradeshi, Mr. Onkar Patil, Mr. Akash Machado addressed all the working procedure of how actually any sort of investigation is carried out. Explained about cyber security, video and audio tampering. Also about handwriting tampering.

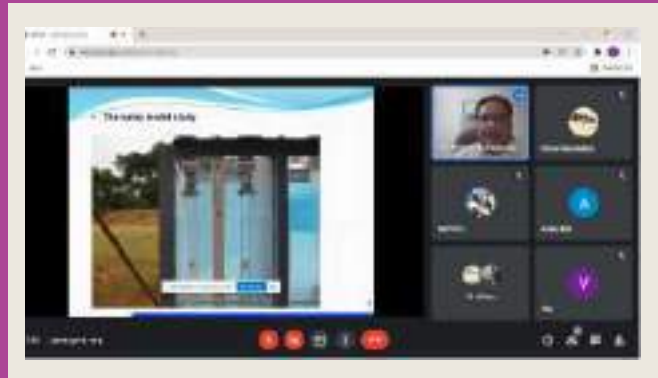
After the explanation of digital forensics, fingerprint analysis and forensics was explained by the team of Helik advisory in the most interesting manner. There after the doubts of the attendees were patiently cleared by the speakers. And finally the session was concluded by Vamsee.

The event was fruitful and interesting, the measures needed to be taken to safely use internet were discussed.



# WEBINAR ON "GAPS FROM DESIGN TO EXECUTION"

The event "Gaps from Design to Execution:- Case Study" was organized on 24th December 2021 at 5pm, on a Google meet, online.



All the students and staff were welcomed in the event by IEEE FCRIT SB chairperson Miss Neha Mandelkar who also addressed and welcomed the speaker after which the event began by offering gratitude to Goddess Sarasvati by playing 'Sarasvati Vandana' by Anika. The speaker for the event was 'Mr. Venkatesh' who was introduced by Miss Anika. The seminar gave a short presentation on the details of Gaps from Design to Execution:- Case Study .He explained various projects with their designs and all of the executioning in different cases. Students got to know the role of engineers and other staff in the making of projects.

At the end, a question-answer session was organized where all the students got their doubts cleared from Mr. Venkatesh. The event was then concluded with a vote of thanks by Miss Daffril Cleetus.

Over 76 percent of the students rated the speaker five stars, and above 69 percent had a great experience. More than 62 percent of the students found the session helpful and they were overwhelmed by the session.



# WEBINAR ON "UNWIND THE MIND"

The event "unwind the mind" was organized on 29th December 2021 at 5pm, on a Zoom meet, online.

The speaker for the event was 'Mr. Rashmin Pulekar'.

IEEE FCRIT SB extended a warm welcome to all students and staff attending the event. The event began by Mr. Yash playing the 'Sarasvati Vandana' to express gratitude to Goddess Sarasvati. Later the speaker of the event was introduced by Mr. Sahil. The event commenced, with the speaker Mr. Rashmin Pulekar reminding the students to take care of their mind and body. The students were briefed about the importance of mental health. All queries of the students were clarified during the question-answer section. The whole event was anchored by Ms. Shivani. The event was then concluded with a vote of thanks by Mr. Sahil.

The students were made aware about taking care of their mind, to relax themselves once in a while before going back to their busy schedule. The students became familiar with the techniques to handle their stress, emotions, pressure.



# WEBINAR ON "ADVANCE ML FOR EV BATTERY STATE OF CHARGE AND LIFE TIME ESTIMATION"

The event "Advance Machine Learning for EV Battery State of Charge and Lifetime Estimation" was organized on 7th January 2022 at 7:30 pm on a Google meet, online.



The speaker of the webinar was Dr. Sheldon Williamson. The session started by Saraswati vandana and light lamping ceremony, after which the speaker, teachers and students were welcomed by IEEE committe.

The session was arranged so that it would be beneficial to all the streams. The doubts of students were answered by Dr. Williamson. The event was successfully conducted and many of the attendees gained knowledge about the topic. The event helped some PhD and engineering students for their studies. There was a positive feedback from most of the attendees and insisted to arrange more such events on technical topics



70% attendees liked the organization of the events and had no complains, and found the speaker to be excellent in his delivery.



# COMPETITION

## "MINIPROJECT"

The event "Mini Project Competition" was organized on 12th February 2022 at 6 pm IST, on a Google meet. The objective of the event was to provide an opportunity to the students to showcase their creativity, technical and presentation skills.



In the competition, students were asked to present their mini projects individually or in a group. The competition was divided into 2 tracks- IT/CS and EXTC/Electrical. The evaluators were Mr. Karan Balkar for IT/CS and Prof. Anindita Samanta for EXTC/Elec. The competition started with participants presenting their ppt and working projects within 10 minutes, followed by a short Q and A session by the evaluator. After the end of all the presentations, the evaluators gave feedback and suggestions to all the participants, as well as encouraged and congratulated them for their active participation. Later the judges gave an informative and insightful view about the pros and cons each project could have, also mentioning more innovative ideas which can be added and the stability the project has in the current market. All the students took the competition with utmost sincerity and gave their best. They also took all the feedback from the evaluator in a positive way.





# SOCIAL SERVICE EVENT

## "STEM EDUCATION"



The event was a activity where the students of IEEE council went to school with an objective of giving knowledge about basic components

of electrical circuits and demonstrate some basic mini-projects to school students that will help them develop some interest in these topics. The event "Stem Education" was organized on 4th March 2022 at Modern School, Vashi at 8:30 to 9:30 and at AP Sutar School from 11:30 to 12:30. All the students of the IEEE council were welcomed to teach the student of their respective schools as STEM professionals. The seminar covered four vital mini projects like LED lighting circuits with battery and resistors, DC Motor Dynamo, Solar Panel Electrical Energy Generation, and Burglar Alarm and gave a short presentation on each mini-project by explaining various projects with their designs and circuits executing in different cases. Students got to know the role of various devices in the making of projects. In the end, a question-answer session was organized where all the students got their doubts cleared. the STEM learning experience fostered a learning environment that extended and deepened STEM

content learning while providing opportunity and access to content, settings, and materials that most middle-level students otherwise would not have access to.



# COMPETITION

## "TECHNICAL QUIZ"

The event "Technical Quiz" was organized on 10th March 2022 at FCRIT college between 10:00AM to 11:00 AM. All the students of the IEEE council were assigned duties such as invigilation and evaluation.

The quiz covered vital topics of engineering curriculum like Physics, Computer Science, Electronics, IT and Electrical questions. The quiz consisted of three rounds. First two rounds were of 20



mins and 15 mins respectively based on the technical knowledge related to the student's stream. (MECH/ELEC/COMPS/IT/EXTC). Third round was of 25 mins based on general knowledge and aptitude.



Winners of the event were Yash P. from IT 3d year and Parth Phalke from IT 3d year. The Technical Quiz brought a new interest in students for learning the engineering curriculum at a deeper level and develop better understanding of the core concepts.

# COMPETITION

## "POSTER PRESENTATION"

The event "Poster Presentation" was organized on 10th March 2022 at 11 am IST. The objective of the event was to provide an opportunity to the students to present their talent,



creative, technical and presentation skills. The judges for the competition were- Mr. Joshua Michael from EXTC Department and Ms. Sharlene Rebeiro from IT Department. The participants had the liberty of making their own templates for the posters. The competition started with the participants having a 10 mins of presentation time. The judges gave feedback to all the participants, as well as encouraged and congratulated them for their active participation.



The students were given a platform to present their technical ideas in a visually appealing and creative way. The participants were given a clear idea and fair judgement for

their posters and presentation skills.

# WEBINAR ON "SOFT SKILLS FOR CORPORATE LIFE"



The event "Soft skills for corporate life" was organized on 17th June 2022 at 6:30 pm IST. IEEE FCRIT SB extended a warm welcome to all students and staff attending the event. The event began with Ms. Daffril Cleetus playing the 'Sarasvati Vandana' to express gratitude to Goddess Sarasvati. Further, an induction speech was given by the council chairperson, Ms. Neha Mandelkar; followed by Ms. Daffril Cleetus introducing the speaker of the event - Mr. Sreekumar K.B. The event commenced, with the speaker Mr. Sreekumar K.B. introducing the students to corporate life. The students were given knowledge of soft skills required such as active listening, leadership skills, public speaking, communication skills, leadership skills, etc. A question and answer session was conducted where all the queries of the students were clarified. The whole event was anchored and then concluded with a vote of thanks by Ms. Daffril Cleetus.





# SURVEY FOR SOLAR LAMP DISTRIBUTION

The survey for 'Solar Lamp Distribution' was conducted on 30th July 2022. Ambele and Kalamkhande were the villages decided for the survey. Students and teachers of F.C.R.I.T left the college campus at 7:45 a.m.



reached Ambele village first. Sarpanch, teachers, and students of Ambele village welcomed the teachers and students of FCRIT with bouquets, a speech, and a welcoming dance by students of the village. Students of FCRIT were divided into a group of 2-3 members each and they actively surveyed the village. After completing the survey in the village, all took a break and took off to the next village. In Kalamkhade, Sarpanch welcomed the teachers and students of FCRIT with a bouquet on behalf of the village. Students started their survey and finished it by the evening. All departed from the village and reached the campus by 8:00 p.m. and made sure all teachers and students reached their places safely. It was beneficial for the underprivileged people in the village as we got to know what they needed and what help can be provided. All of them had a good experience surveying the village as they got to experience something different from city life and all are excited to go again for the distribution of solar lamps.

# YOUTUBE SERIES

## "TECHKNOW"



“Techknow” is a monthly event in which we post videos on YouTube where students are introduced to the current technological

developments happening all over the world. The first video was uploaded on 5th October 2021. The main objective of the session was to enlighten students about Technical innovations in their respective fields. Students become aware about current technological developments in their respective fields. This is a good way for students to gain knowledge and make them more interested in the field of research. Over 122 participants viewed the video and the first video got positive responses. The event was seen as informative and well-received, prompting them to look forward to future events.

# PHOTO GALLERY



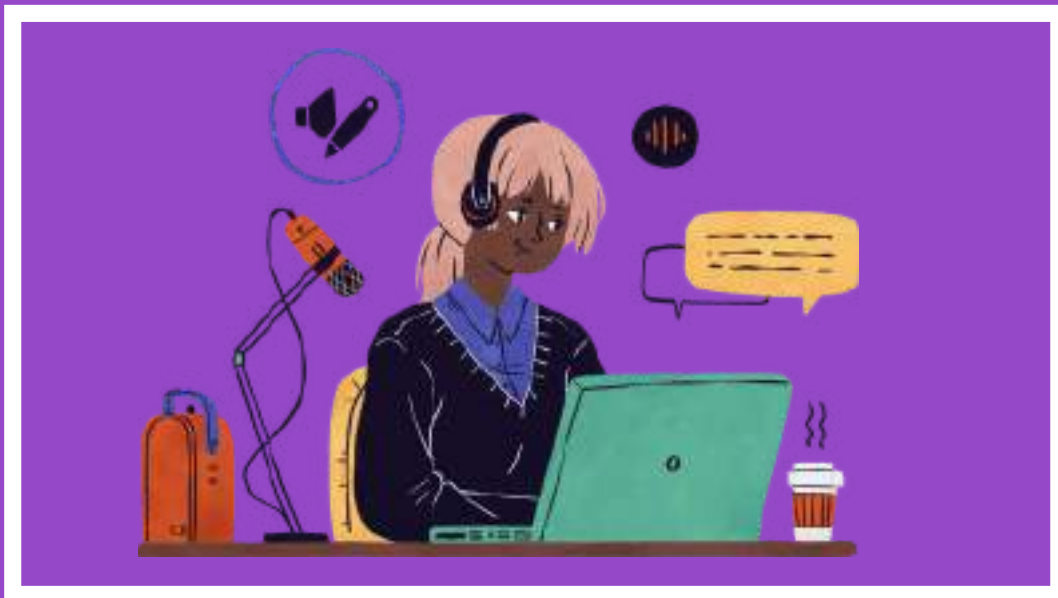


# EDITORS' DESK

Welcome to the inaugural issue of our magazine "BLOOM" of the IEEE FCRIT Student Body!

We take great delight in knowing that this magazine's primary goals have been achieved. IEEE is a journey to discover our potential and meet fun, like-minded and skillful people for life. We faced various trials and tribulations, but due to our committee's dedication and motivation, we successfully launched several events in the year 2021-22. The essence of the magazine is a reflection of the members' creativity, efforts, and accomplishments throughout our tenure. This magazine is before you due to the combined efforts of the Editorial team by encompassing everything that our committee achieved accurately and in a concise way.

That's all from our side as editors and the upcoming IEEE council will carry on our legacy.



# CREDITS

## EDITORIAL TEAM



Neha Mandelkar



Disha Kaw



Daffril Cleetus



Loorthu Infenda



Sayali Ambure



Malavika Preeth

*Thank  
you!*



**EESA**

**ELECTRICAL ENGINEERING  
STUDENTS ASSOCIATION  
2021-2022**



# FROM THE HOD

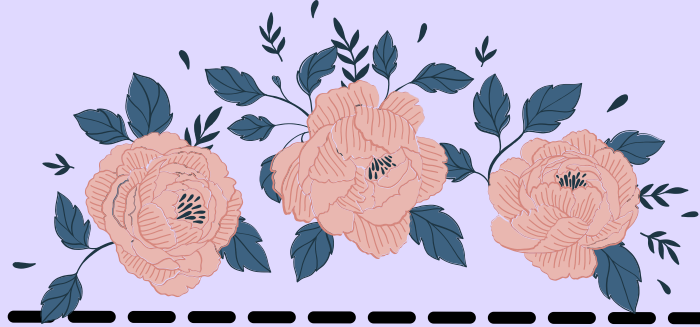


**Dear students,**

**The period during Covid 19 was a difficult and challenging time. The task to make students understand the technical concepts through online lectures in the absence of physical one to one interaction was a tough job. As teachers we accepted the challenge and did our best by using available online tools to pass the knowledge across. It was equally difficult for students to attend the online classes one after the other while some facing issues like internet problems, non-availability of proper gadgets etc. making studies more difficult. Electrical Engineering students association (EESA) has arranged different activities both technical and non-technical for the benefit of Electrical students during this difficult situation through online platform. The activities conducted this year such as IOT workshop, seminar on Emotional Intelligence in collaboration with IITB, Abhyuday and events under TECHFEST 2022 will help in the holistic development of students. To bring out the creative side of students every year we release the EESA magazine which gives a platform for our students to showcase their talent. I extend my best wishes to the EESA council for all the efforts they put in arranging all the activities and release of this magazine.**

**- D R. B I N D U . S .  
H O D , ELECTRICAL DEPT**





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# **ELECTRICAL ENGINEERING AT FCRIT**

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Electricity has been a subject of scientific interest since at least the 17th century and hence is considered as one of the oldest branch of engineering. The students are taught to design, analyze, implement and operate electrical and electronics systems efficiently, thus opening the doors to new challenges.

In this aspect the students are given in-depth knowledge in Machines, Power Systems, Control System, Signal Processing Drives, Power Electronics, Microprocessors and Switched Mode Power Supplies. To impart this we have well qualified experienced and dedicated staff in the department.





# **VISION MISSION OF THE INSTITUTE**

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## ***VISION***

To evolve and flourish as a progressive centre for modern technical education, stirring creativity in every student leading to self-sustainable professionals, through holistic development; nurtured by strength and legitimate pride of Indian values and ethics.

## ***MISSION***

- To provide industry oriented quality education.
- To provide a holistic environment for overall personal development.
- To foster relationships with other institutes of repute, alumni and industry.



# **ELECTRICAL ENGINEERING DEPARTMENT**

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## ***VISION***

**To evolve as a progressive centre for modern technical education in the field of Electrical Engineering to produce selfsustainable professionals through value based education**

## ***MISSION***

- **To provide modern technical education in the area of Electrical Engineering.**
- **To collaborate with industries and institutes of repute to grow progressively.**
- **To provide holistic environment for the development of socially responsible citizens.**





# **ELECTRICAL ENGINEERING DEPARTMENT**



## **PROGRAM EDUCATIONAL OBJECTIVES(PEO)**

**Graduates will be able to...**

- 1. Demonstrate core competency in the areas of power system, power electronics, machines, renewable energy and allied disciplines.**
- 2. Contribute to environmental sustainability through design, development and commissioning of green energy or clean energy systems.**
- 3. Excel in professional career and higher education with ethical values.**

---

## **PROGRAM SPECIFIC OUTCOMES(PSO)**

**Graduates will be able to...**

- 1. Comprehend and analyze the problems in power generation, transmission and distribution systems.**
- 2. Acquire technical knowledge, skill and competency in development of Renewable energy system and contribute to energy efficiency.**

# STAFF PUBLICATION

## INTERNATIONAL JOURNAL PUBLICATIONS

### ACADEMIC YEAR 2021-22

Sr. No.	Author	Title of Paper	Details	Date/Year of Publication
1.	Dipti Patil, Bindu S, and Sushil Thale	A Novel Method for Real Time Protection of DC Microgrid Using Cumulative Summation and Wavelet Transform	Accepted for publication in International Journal of Electrical and Computer Engineering Systems March 2022. (SI, WoS)	Feb. 2022
2.	Dipti Patil, Bindu S, and Sushil Thale	Deep Neural Network Enabled Fault Detection in LVDC Microgrid Using Empirical Mode Decomposition	Accepted for publication in International Journal of Advanced Technology and Engineering Exploration (IATEE) Feb. 2022. <a href="https://doi.org/10.19101/IATEE.2021.874973">https://doi.org/10.19101/IATEE.2021.874973</a> (SI)	Feb. 2022
3.	Shrisheil Muchande and Sushil Thale	Hierarchical Control of a Low Voltage DC Microgrid with Coordinated Power Management Strategies	Engineering, Technology, and Applied Science Research (ETASR) Journal, Vol. 12, No. 1, February 2022, <a href="https://doi.org/10.48084/etasr.4625">https://doi.org/10.48084/etasr.4625</a> (WoS)	February 2022
4.	M. Kiruthika, Bindu S.	Secured protection of transmission line by distance relay using data mining approach	Indonesian Journal of Electrical Engineering and computer Science, Vol. 23, No. 1, July 2021. (SI)	July 2021
5.	Chinmay Vartak, Soham Tanpathak, Nivedita Yadav, Hrithik Wani and Mini Rajeev	Small Scale Implementation of Smart Farming using Internet of Things	SAMRIDDHI : A Journal of Physical Sciences, Engineering and Technology, Volume 13, Special Issue 2 (2021) (UGC care List 1)	23rd -24th December, 2021
6.	Aditya Tare, Amol Pednekar, Nisha Thite, Winson Nadar and Ruchi Harchandani	Design of PFN Based Bipolar Marx Generator	SAMRIDDHI : A Journal of Physical Sciences, Engineering and Technology, Volume 13, Special Issue 2 (2021) (UGC care List 1)	23rd -24th December, 2021
7.	Divya.Sajeesh, Sincy George	Hardware Implementation of Single Phase PWM Rectifier	SAMRIDDHI : A Journal of Physical Sciences, Engineering and Technology, Volume 13, Special Issue 2 (2021) (UGC care List 1)	23rd -24th December, 2021



# STAFF PUBLICATION

## CONFERENCE PUBLICATIONS

### ACADEMIC YEAR 2021-22

Sr. No.	Author	Title of Paper	Details	Date/Year of Publication
1.	Mayur Kumavat and Sushil Thale	Analysis of CSTR Temperature Control with PID, MPC & Hybrid MPC-PID Controller	Third International Conference on Automation, Computing and Communication 2022 (ICACC-2022), Ramrao Adik Institute of Technology, Nerul, Navi Mumbai, Maharashtra. <a href="https://doi.org/10.1051/itmconf/20224401001">https://doi.org/10.1051/itmconf/20224401001</a>	2022
2.	Keerthi Unni and Sushil Thale,	Influence of Auxiliary Loads on the Energy Consumption of Electric Vehicle – A Case Study	IEEE Transportation Electrification Conference India (ITEC 2021) organized by SAE India, 16-18 Dec. 2021	16-18 Dec. 2021
3.	E. Raja Vikram Reddy and Sushil Thale,	Pedestrian Detection Using YOLOv5 for Autonomous Driving Applications	IEEE Transportation Electrification Conference India (ITEC 2021) organized by SAE India, 16-18 Dec. 2021	16-18 Dec. 2021
4.	Keerthi Unni and Sushil Thale	Simulation and Analysis of Factors Influencing the Residual Range of Electric Vehicle	The 3rd IEEE Bombay Section Signature Conference (IBSSC-2021) organized by IEEE Bombay Section and ABV-IIITM Gwalior, India, 18-20 Nov 2021, <a href="https://doi.org/10.1109/IBSSC53889.2021.9673171">https://doi.org/10.1109/IBSSC53889.2021.9673171</a>	18-20 Nov 2021
5.	Chaitanya Thakare, Bhavesh Sharma, Govind Chandrababu, Tejas Joshi, Rahul Kalva, and Mini Rajeev	Design and Implementation of a Compact DC-DC Converter for powering FPGAs	2021 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT) DOI: <a href="https://doi.org/10.1109/CONECCT52877.2021.9622674">10.1109/CONECCT52877.2021.9622674</a> Electronic ISBN:978-1-6654-2849-1 Print on Demand(PoD) ISBN:978-1-6654-2850-7	July 9-11, 2021
6.	Divya M	Non-intrusive load disaggregation methods for low rate smart metering	International Conference on “Role of Recent Technology in nation building” (Online Mode), Vishwaniketan, E-ISSN-2349-0721, published in volume 6, ICRRTNB 2021 issue	SH 2021
7.	Mini Rajeev et al	Compact Power Supply for Induction Heating in Shrink Fitting	Accepted for publication in EPREC 2022, NIT Jamshedpur, 27-29 <sup>th</sup> May 2022, to be published in “Lecture Notes in Electrical Engineering”, Springer.	27-29 <sup>th</sup> May 2022



# STAFF ACHIEVEMENTS

Sr No	Description	Year
1	Dr. Mini K Namboothiripad, secured third position in PhD EEE category of <b>National Symposium and Research Colloquium</b> organized by IEEE SB GCEK on 11 <sup>th</sup> and 12 <sup>th</sup> September 2020-21	SH2021
2	Dr. Bindu S received Incentives for publishing paper in reputed journal.	SH2021
3	Dr. Suhil Thale received “ <b>Teacher of the Year Award 2021</b> ” in Technology Category from <i>ACADEMISTHAN</i> on 6 <sup>th</sup> September 2021.	SH2021
4	Department of Electrical Engineering Received approval and Rs. 93000/- grant for ATAL academy online FDP. (Coordinator: Dr. Mini Rajeev)	SH2021
5	Dr. Mini Rajeev listed in World Scientist and University Rankings 2021	SH2021
6	Dr. Sushil Thale listed in World Scientist and University Rankings 2021	SH2021
7	WIE 3-Minutes Thesis Challenge Award to Dr. Mini Namboothiripad at InCAP-21, Jaipur	SH2021
8	Dr. Sushil Thale received Incentives for publishing paper in reputed journal.	SH2021
9	Dr. Mini Rajeev received Incentives for publishing paper in reputed journal.	SH2021

# STAFF ACHIEVEMENTS

10	Dr. Bindu S received Incentives for publishing paper in reputed journal.	FH2022
11	IETE Journal of Research Reviewer Certificate to Dr. Mini Rajeev	FH2022
12	Dr. Sushil Thale awarded with incentives for receiving Teacher of the Year Award in year 2021-2022.	FH2022
13	Acceptance of book chapter titled <b>“Power Electronic Converters and Implementation in FPGA applicable to Electric Vehicles”</b> for book <b>“Power Electronics for Electric Vehicles and Energy Storage: Emerging technologies and Developments”</b> CRC press. Authors: <b>Dr. Mini Rajeev and Dr. Mini Namboothiripad”</b>	FH2022

# STUDENT ACHIEVEMENTS

## Students Achievements 2021-2022

Sr No	Description	Year
1	Intershalala training on “Internship and Job Preparation” Sonali Lahane secured 100% marks in Final Assessment and top performer	SH2021
2	Shruti Nair, student of Final year became the finalist for “YuWaah Echoes National Quiz Masters Finale” held on 3 <sup>rd</sup> September 2021	SH2021
3	Atharva Pasalkar secured second place in “Sustainability Ideathon” organized by SEED committee	SH2021
4	Best Project Award in the “5th national Level IEEE project competition –2021” organized by IEEE student’s branch GSSIETW, Mysuru	SH2021
5	Third Year Students Atharva Pasalkar and Chinmay Vartak went up to semi-final stage of LNT TECHGIUM Innovation Competition organized by “L&T Technology Services”	FH22

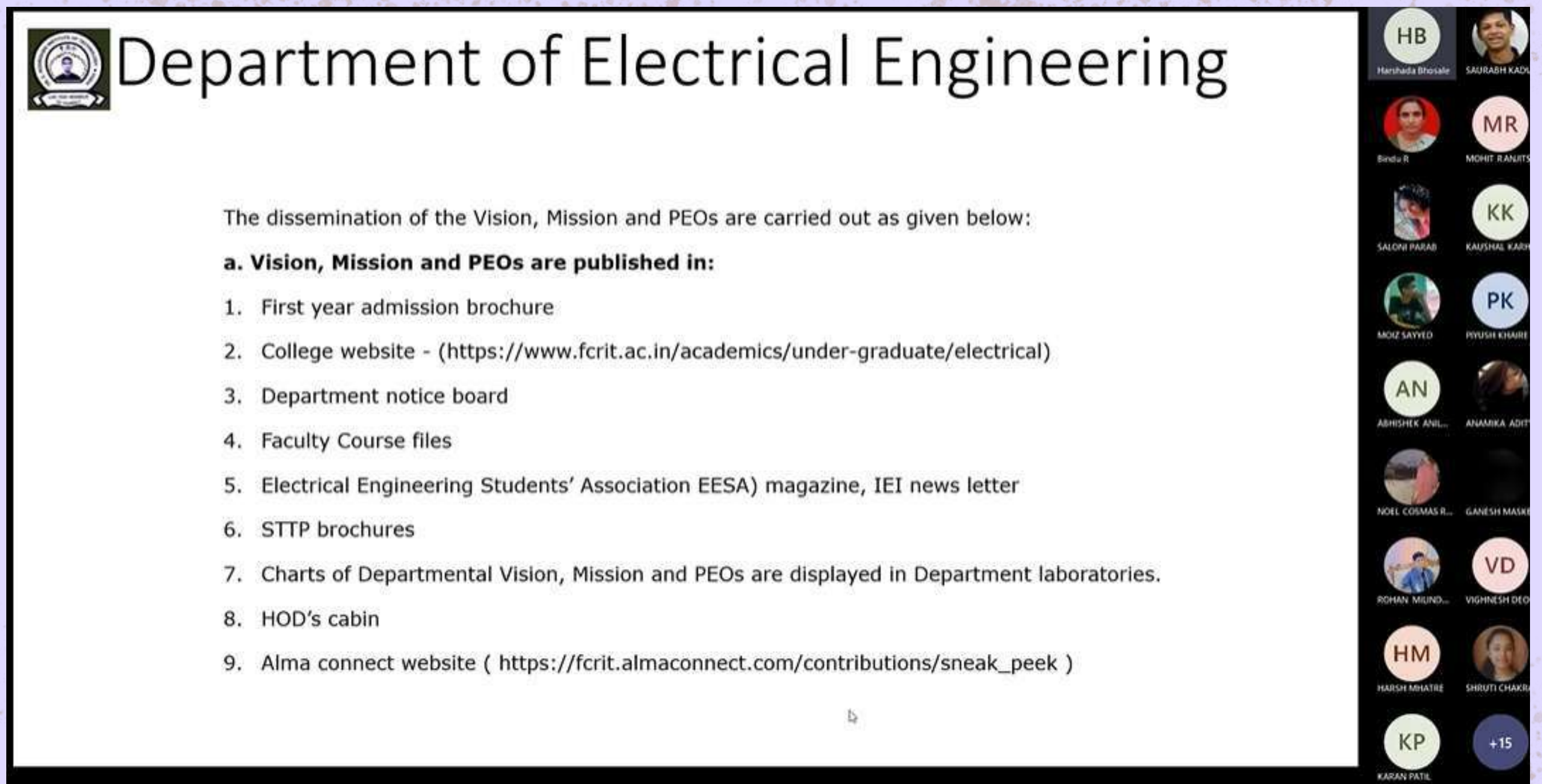





**EVENTS**  
**YUMMERS**  
**EATS!**



# Dissemination of Vision and Mission of Institute and Department Among Students



 Department of Electrical Engineering

The dissemination of the Vision, Mission and PEOs are carried out as given below:

**a. Vision, Mission and PEOs are published in:**

1. First year admission brochure
2. College website - (<https://www.fcrit.ac.in/academics/under-graduate/electrical>)
3. Department notice board
4. Faculty Course files
5. Electrical Engineering Students' Association (EESA) magazine, IEI news letter
6. STTP brochures
7. Charts of Departmental Vision, Mission and PEOs are displayed in Department laboratories.
8. HOD's cabin
9. Alma connect website ( [https://fcrit.almaconnect.com/contributions/sneak\\_peek](https://fcrit.almaconnect.com/contributions/sneak_peek) )

Participant avatars (initials): HB, MR, KK, PK, AN, VD, HM, KP, +15

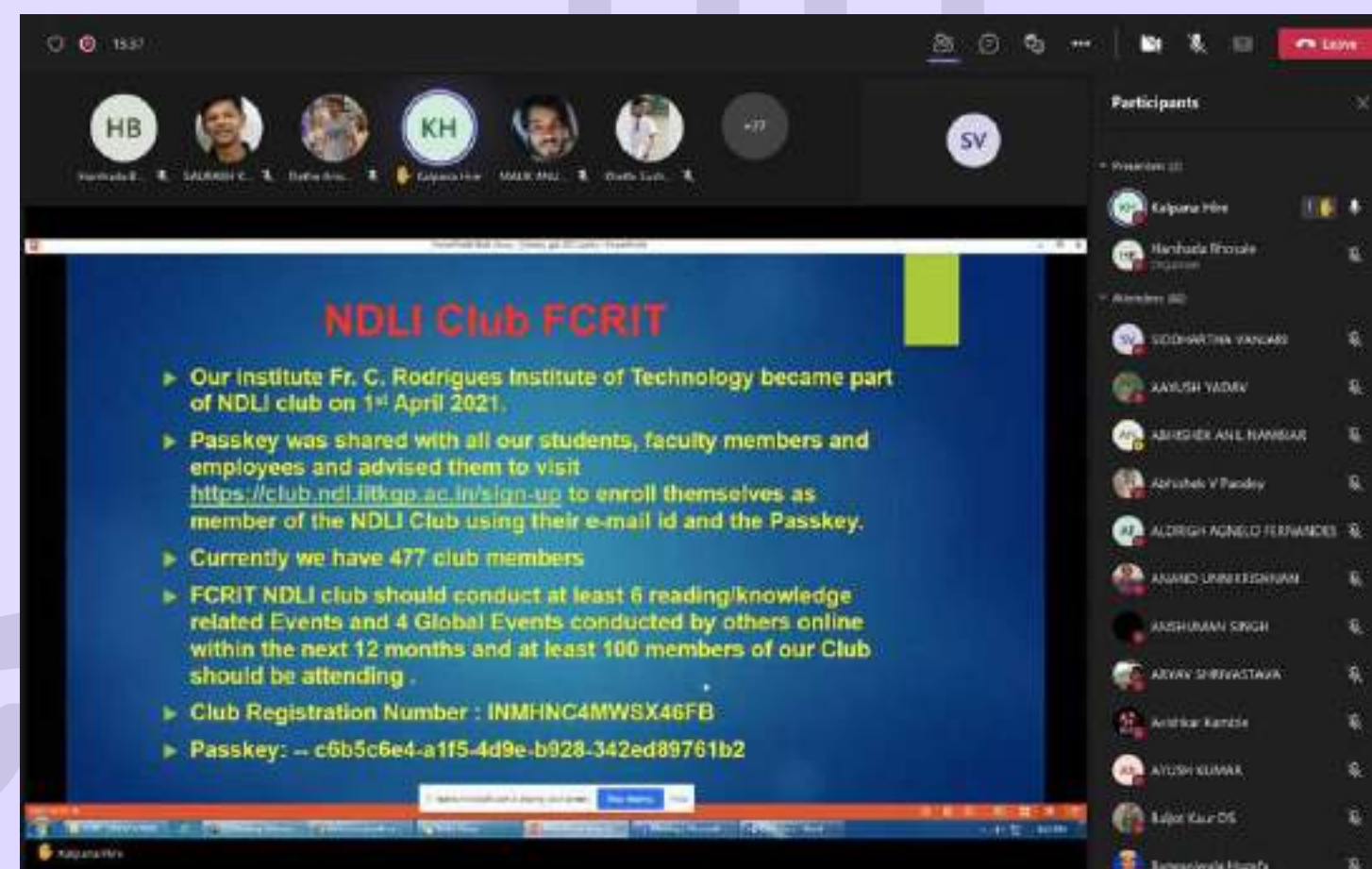
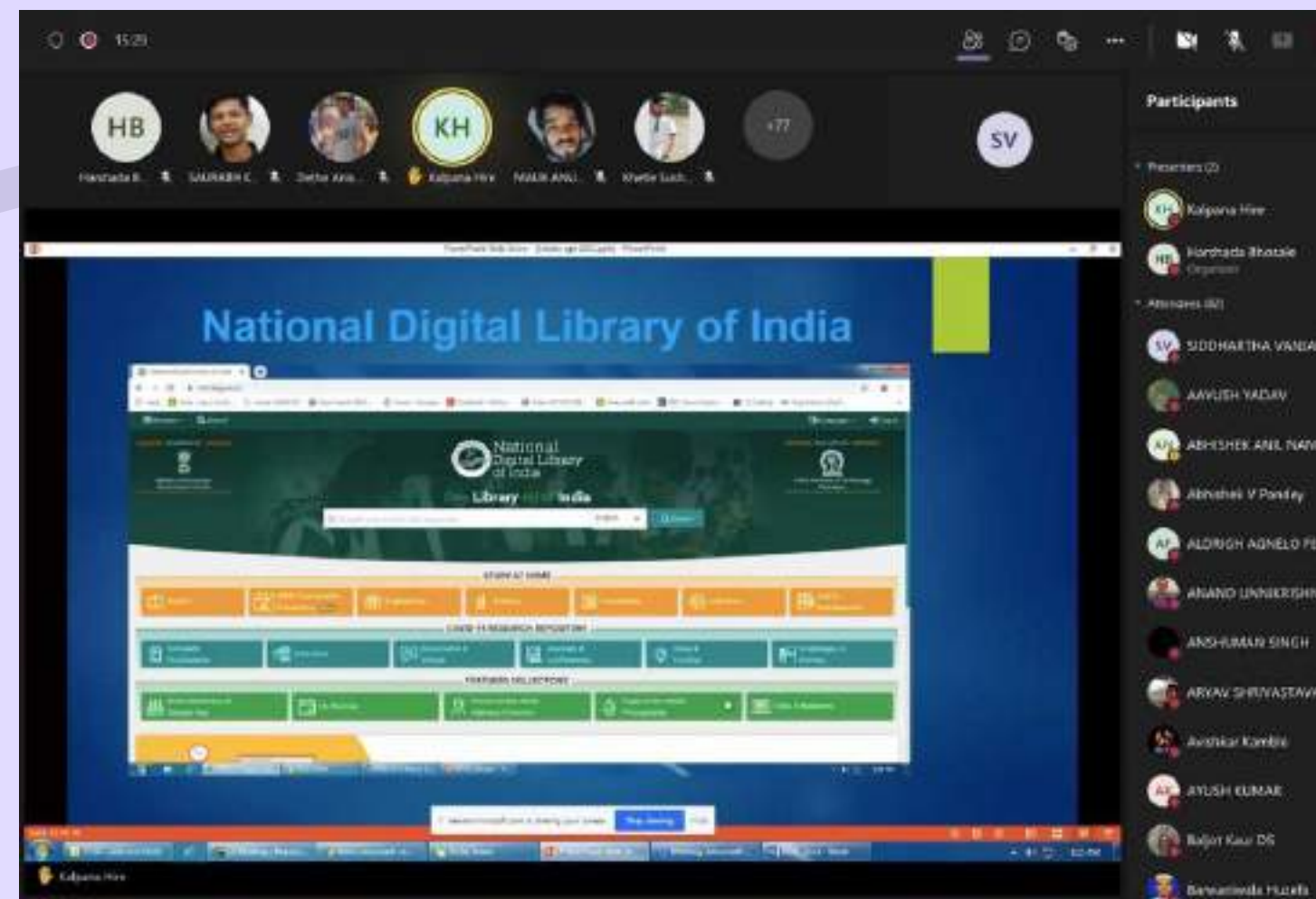
The objective of this event to increase awareness about vision, mission of Institute and department , POs , PEOs and Outcome based Education among the 3rd Semester students. This event was conducted in online mode on Microsoft Teams. A presentation was taken by Mrs. Rashmi Kale and Dr. Bindu R. Students were informed and also encouraged to give their suggestions on how students can participate actively to achieve the vision and mission of the institute and the department. This acted as a platform for interaction among teachers and students of lower semesters to clear doubts on various department related activities. A quiz was conducted at the end to check the understanding of the students regarding the topics discussed.



# Know Your Library!

***“The only thing that you absolutely have to know, is the location of the library.”***  
**— Albert Einstein**

A library is a collection of materials, books or media that are easily accessible for use and not just for display purposes. It is responsible for housing updated information in order to meet the user's needs on a daily basis. A library provides physical (hard copies documents) or digital access (soft copies) materials, and may be a physical location or a virtual space, or both.



The Electrical Engineering Student Association (EESA) Council conducted a seminar "*Know Your Library*" on 14th of January 2022 on Microsoft Teams.



# Know Your Library!

Our Electrical Engineering Student Association held this event to increase awareness about our library resources.

This session was conducted by Mrs. Kalpana Hire, librarian, and students of FCRIT. This session was arranged especially for students to learn about the library and the resources available and to engage students with respective opportunities. Students were encouraged to participate into programs like E Learning, IEEE, etc... which was immensely helpful to enhance their knowledge and create the safe space where they could search, learn & emphasis their knowledge for respective subjects.

Also they were introduced to other facilities in library which could be beneficial for their study projects and end semester examinations. As EESA, FCRIT conducts such programs for students which are certainly productive for student community, here students were also encouraged to give their suggestions on what other fields they would like such seminars to be taken which would be beneficial for the students in future & EESA will always do its best to improvise everything that is better for its student community.

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# EMOTIONAL INTELLIGENCE

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*“In a very real sense we have two minds, one that thinks and one that feels”*

*— Daniel Goleman*

Emotional intelligence (EI) is most often defined as the ability to perceive, use, understand, manage, and handle emotions.

This event was conducted by the EESA Council in collaboration with IITB, Abhyuday for the students to understand the importance of emotional health and how it can help realising good mental health.

As we are aware that student community is always under the pressure of academics, examinations as well as their personal life and sometimes the unsolved, unspoken issues that are struggling them rises, their anxiety, depression breaks in and it troubles them more, So sometimes all they need is a "therapy".

# *International Science Day!!*

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***“Science is not meant to cure us of mystery,  
but to reinvent and reinvigorate it.”***

***– Robert Sapolsky***

***Did you know!!***

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National Science Day is celebrated every year on 28 February to mark the discovery of the ‘Raman Effect’ by Sir C.V. Raman on 28 February 1928. It was this discovery that got Sir C.V. Raman a Nobel Prize in Physics in 1930.




A competition was arranged by EESA Council to celebrate the National Science Day (28th Feb). In this event the participants had to research on significant inventions in the field of Science & Technology that proved to be milestone and present. The competition was conducted on 5th March 2022 and was judged by Ms. Jalaja M. Nair, retired Electrical Engineer.

By conducting this event Students were able to familiarise with important inventions in the field of Science & Technology that proved to be milestones in the development.

S Shruti Mayekar is presenting

### FOSSIL FUEL

- The theory of fossil fuel was introduced by Andreas Libavius in 1597.
- It was in the 1880s when coal was first used to generate electricity for homes and factories.
- By 1950, petroleum becomes the most used fuel in the U.S.



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Active window

S Shruti Maye... Annie Nadar Harshada B... Anamika Sh... vighnesh de... Jalaja Nair D Dharaa Kare... 6 others You

6:20 PM | National Science Day Competition



# Yoga session

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“Yoga is a light, which once lit will never dim. The better your practice, the brighter your flame.”

– Sri B. K. S. Iyengar

Our EESA Council conducted an Online session on Yoga arranged for students to improve concentration, physical and Mental fitness.

Under EESA 2021-22 a free online session on "Yoga for improving Concentration" was arranged for electrical students .

This session was taken by Ms. Susila K. , Yoga instructor. Majorly students from sem 3 & 5 participated for session.

Some yoga techniques to improve concentration and maintain physical and mental health were taught by the Yoga instructor.

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# SPOKEN TUTORIAL ON MS EXCEL

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*“A skilled woodworker is respected because he is excellent with his tools”.*

Excel is clearly not a specialized engineering software. However, It is a jack-of-all-trades. One of the things that makes Excel a great engineering tool is that it is capable of handling both equations and tables of data. Excel is a blank canvas for any calculation you need to make. You can quickly create and repeat repetitive calculations to speed up and organize your workflow. You can complete reports, forms, create charts, tables, organize content, or use any of highly powerful tools.

A spoken tutorial on MS Excel was conducted for semester 4 students from January 2022 to April 2022 . Videos prepared by previous EESA council was shared in the Google Classroom. The videos included topics explaining use of EXCEL sheets and different features of MS Excel that can be used by Engineers. The participants had to go through the different videos and submit assignment based on it in order to earn a certificate.

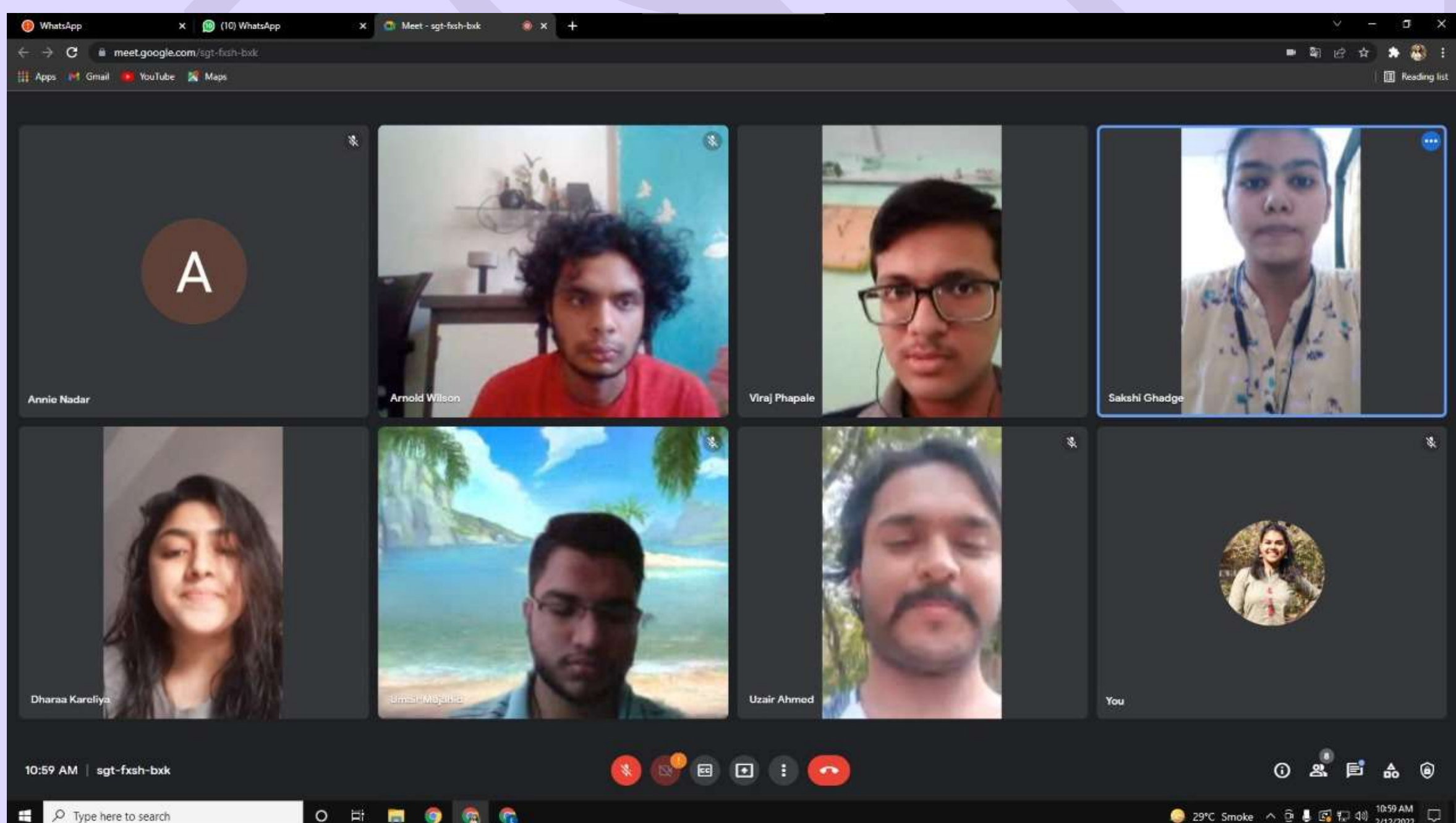


# TECHFEST 2022

EESA Council organised a departmental fest named "TECHFEST" on 12th February 2022. This event was conducted on an online platform and comprised of events like Technical Quiz, UNO and Scribble.

## TECHNICAL QUIZ

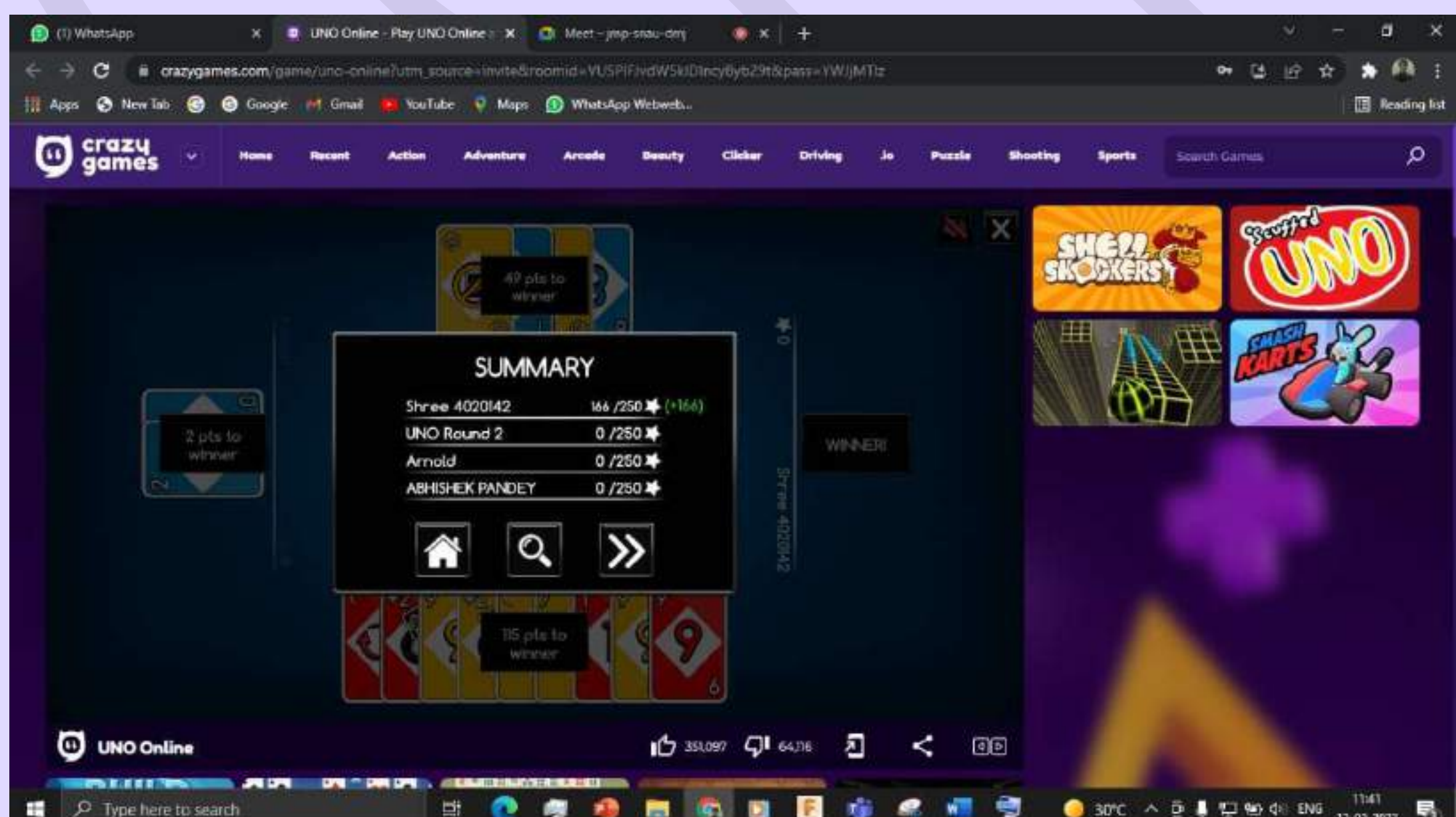
A quiz is a game which can also be called a mind sport wherein the players, either as individuals or in teams attempt to answer questions posed to them correctly, in order to win a prize. We designed these to promote, a fun way of study and help in the process of improving one's general knowledge. The event was conducted very gracefully by our EESA Council FCRIT.





# UNO

Uno Online is a board game where you play the cards in your hand which match the pile by either color or number. Your main objective in Uno Online is to be the first player with no cards. You can play Uno with 2, 3, or 4 players. Use special cards to block your opponents, and clear your hand to win! Don't forget to say "UNO" (press "1") whenever you have your last card at hand, otherwise you will be punished with two penalty cards.





# SCRIBBLE

Scribble.io is a doodling game where players have to guess the right word through the drawings. When it's your turn to draw, you choose one of the three words suggested in the game, you need to visualize that word by drawing it within 80 seconds. The others see you draw in real-time and try to guess what the word is. The faster you answer, the higher the score.





# INDOOR CONTENT CREATION EVENT

A short video making competition was arranged for Electrical students of maximum 10 min duration. Students had to make a short video on a theme like social, entertainment or School days and send by 29th March 2022. Three best videos were selected from those submitted.



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# IOT WORKSHOP

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The Internet of Things (IoT) describes physical objects (or groups of such objects) with sensors, processing ability, software, and other technologies that connect and exchange data with other devices and systems over the Internet or other communications networks. Internet of things has been considered a misnomer because devices do not need to be connected to the public internet, they only need to be connected to a network and be individually addressable.

The field has evolved due to the convergence of multiple technologies, including ubiquitous computing, commodity sensors, increasingly powerful embedded systems, and machine learning. Traditional fields of embedded systems, wireless sensor networks, control systems, automation (including home and building automation), independently and collectively enable the Internet of things. In the consumer market, IoT technology is most synonymous with products pertaining to the concept of the "smart home", including devices and appliances (such as lighting fixtures, thermostats, home security systems, cameras, and other home appliances) that support one or more common ecosystems, and can be controlled via devices associated with that ecosystem, such as smartphones and smart speakers. IoT is also used in healthcare systems.



A 3 day IOT workshop was organised by the EESA Council. This workshop helped the students understand basic concepts of IOT and IOT Projects which enabled students to select and implement IOT based projects. The workshop was conducted in both online and offline modes. This workshop was conducted by one of the professors Mr. Suraj Khandare, Assistant prof, IT Dept.

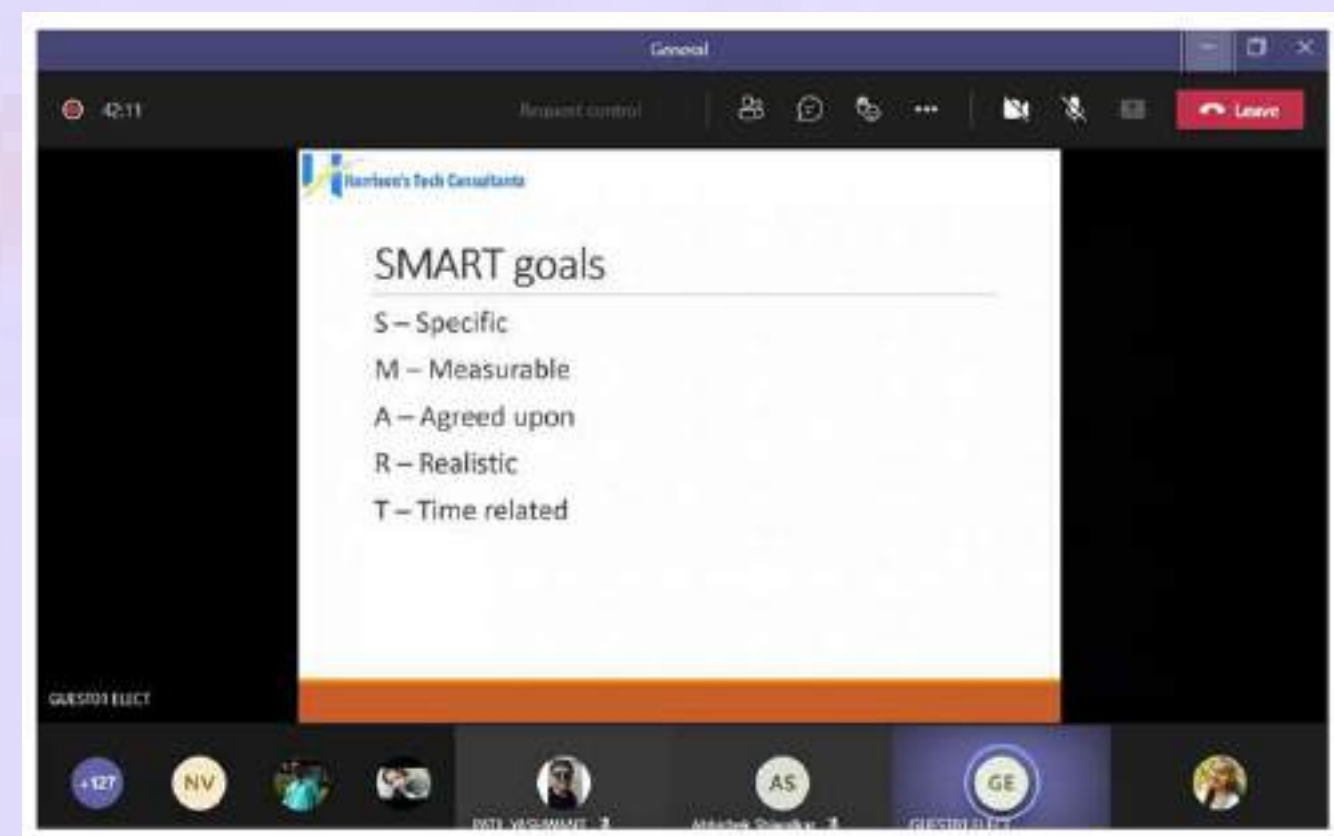
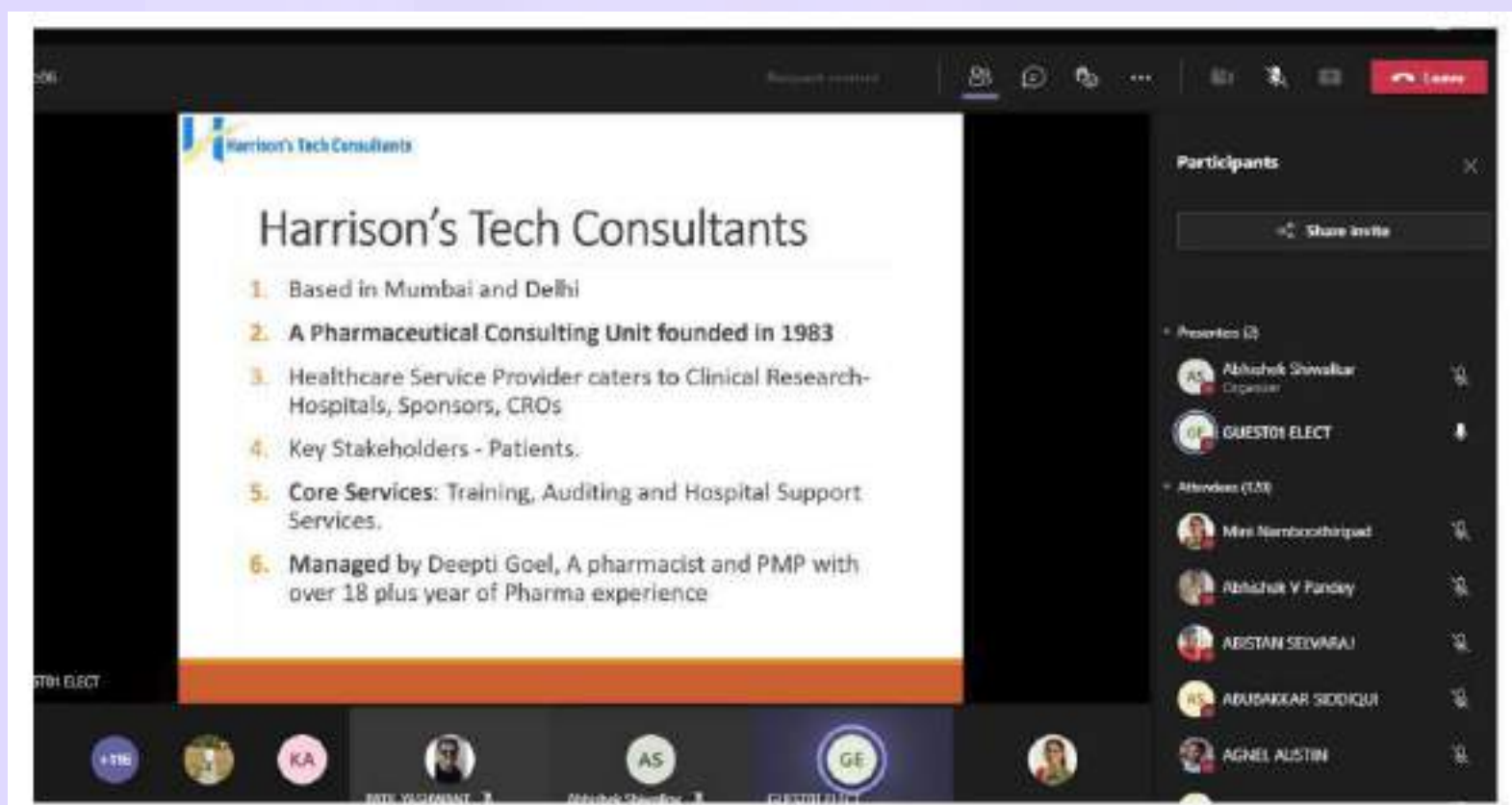




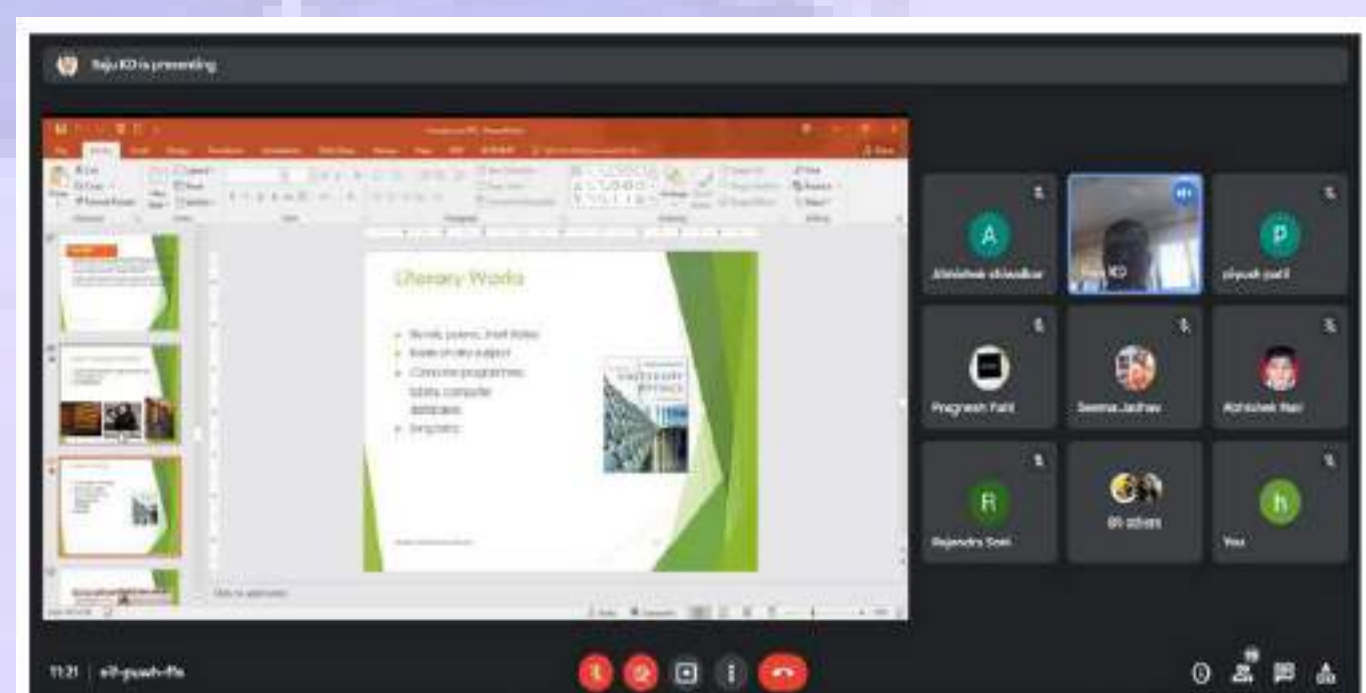
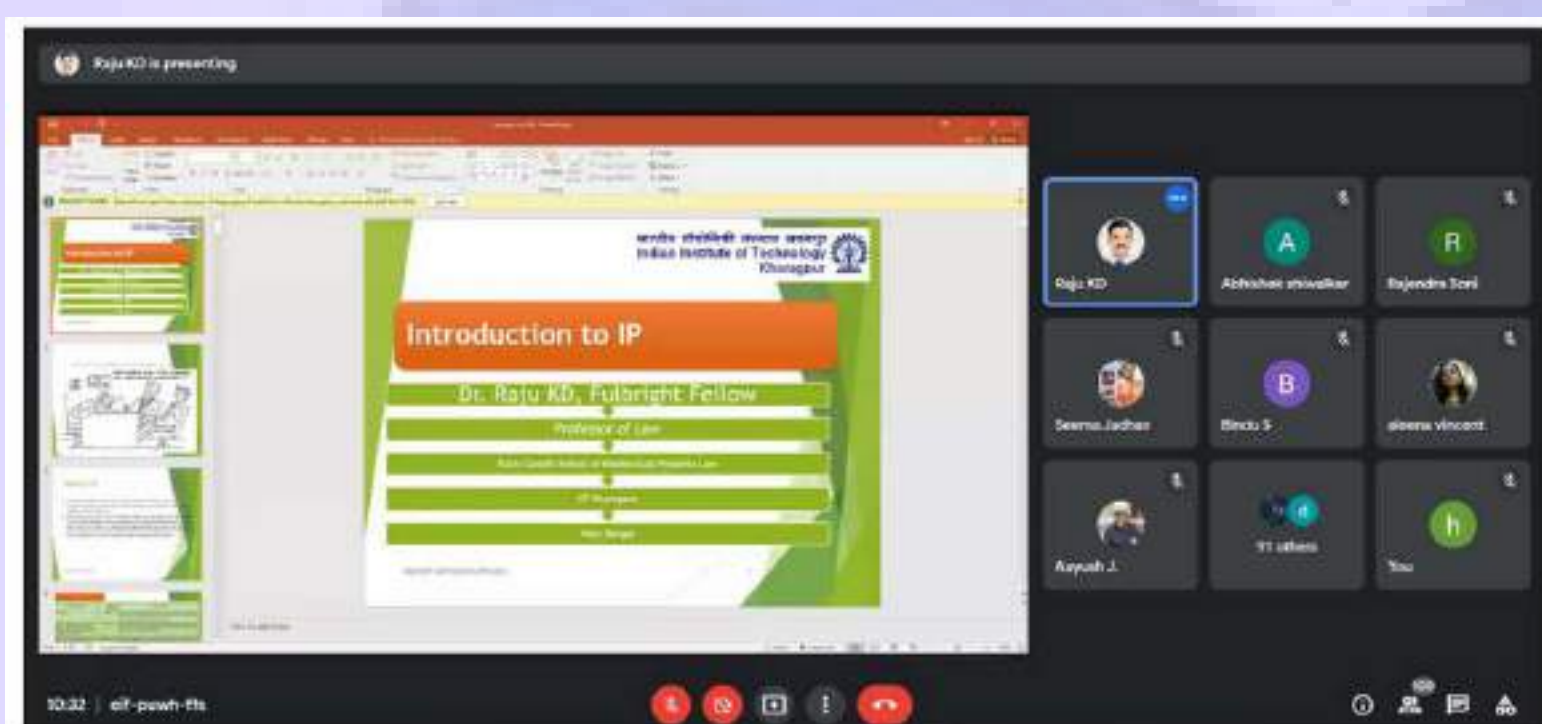
# VIDYUT

## VIDYUT - FH2021

DATE	TOPIC	SPEAKER NAME	SEMESTER
23/8/2021	Project Management	Ms. Deepti Goel	Sem 5 and 7



DATE	TOPIC	SPEAKER NAME	SEMESTER
09/10/21	Intellectual Property Rights	Prof. (Dr.) Raju K.D	Sem 3, 5 and 7





# VIDYUT

## VIDYUT - SH2022

DATE	TOPIC	SPEAKER NAME	SEMESTER
22/03/2022	How to become an Entrepreneur	Mr. Sagar Chandni	Sem 4



DATE	TOPIC	SPEAKER NAME	SEMESTER
22/03/22	Beyond Classroom Education	Mr. Clinton D'Souza	Sem 4
	How to crack Gate exam	Prof. Dr.Sangeeta Das	Sem 5 and 7
	Study Abroad	Prof. Deepak D	Sem 5 and 7





# EDITOR'S PICK

Resuming anything after hit by such a dreadful outbreak of covid 19 pandemic has never been easy. May it be financial commercial or educational infrastructure, looking back to the 2 years we all have been locked in our homes finding to do something productive and not lose the track of our daily routines we all have been through different unpleasant situations and after all that resuming our college, restarting our academics is a huge task for every teacher student and educational bodies that have been contributing to college's well being. EESA has been a core part in extra curricular activities for our Electrical department and restarting online as well as offline activities which were conducted by EESA was not an easy task it was like regenerating every cellular body with a slow pace but giving a comeback which worths it. Through flaws and flares, we EESA tried to give our best and conducted approximately all the activities beneficial for the student body to all intents and purposes. Approaching the classes, presenting vision and mission of EESA students were getting encourage to restart a positive college life and under all the pressure we are encouraged to do the best we can to be the obliging and cooperative student council as is.

This magazine is an illustrated example which displays the work of EESA and contribution of each and every student body to make EESA, Electrical Department and our FCRIIT college to make a immune place where student can share there ideas to grow. I as an individual hope that this magazine is sufficiently giving you of what EESA had done and will do in further coming years and we expect similar contribution from the students and similar support, cooperation from teachers.

To all the readers hope you enjoy this little potrait from us and

To all the teachers, thank you for your immense guidance and suppport till now hope you keep encouraging us and the batches coming in future.

Thank You

~Anamika Sharma  
(Editor of EESA)

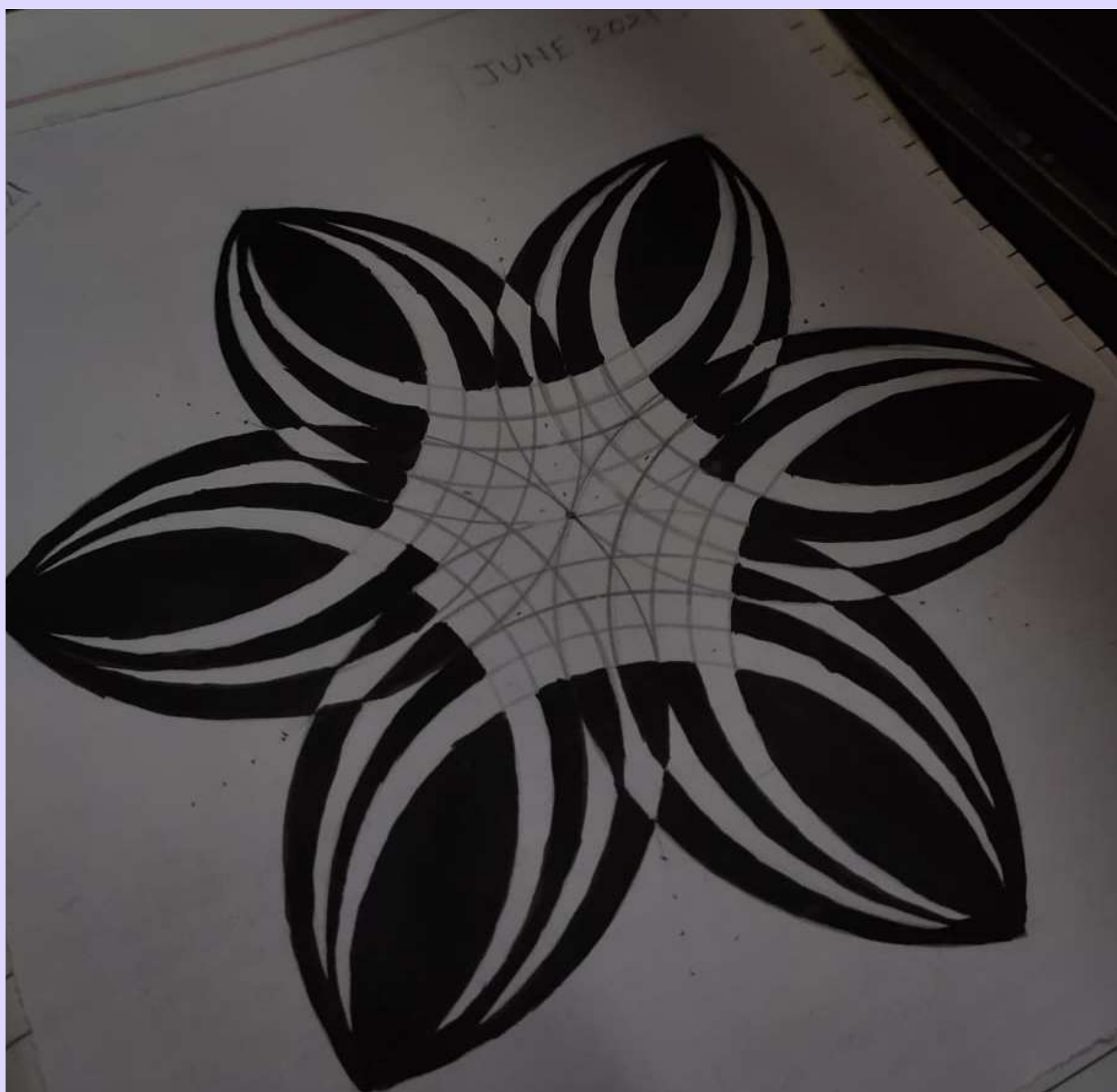


# STUDENTS CORNER

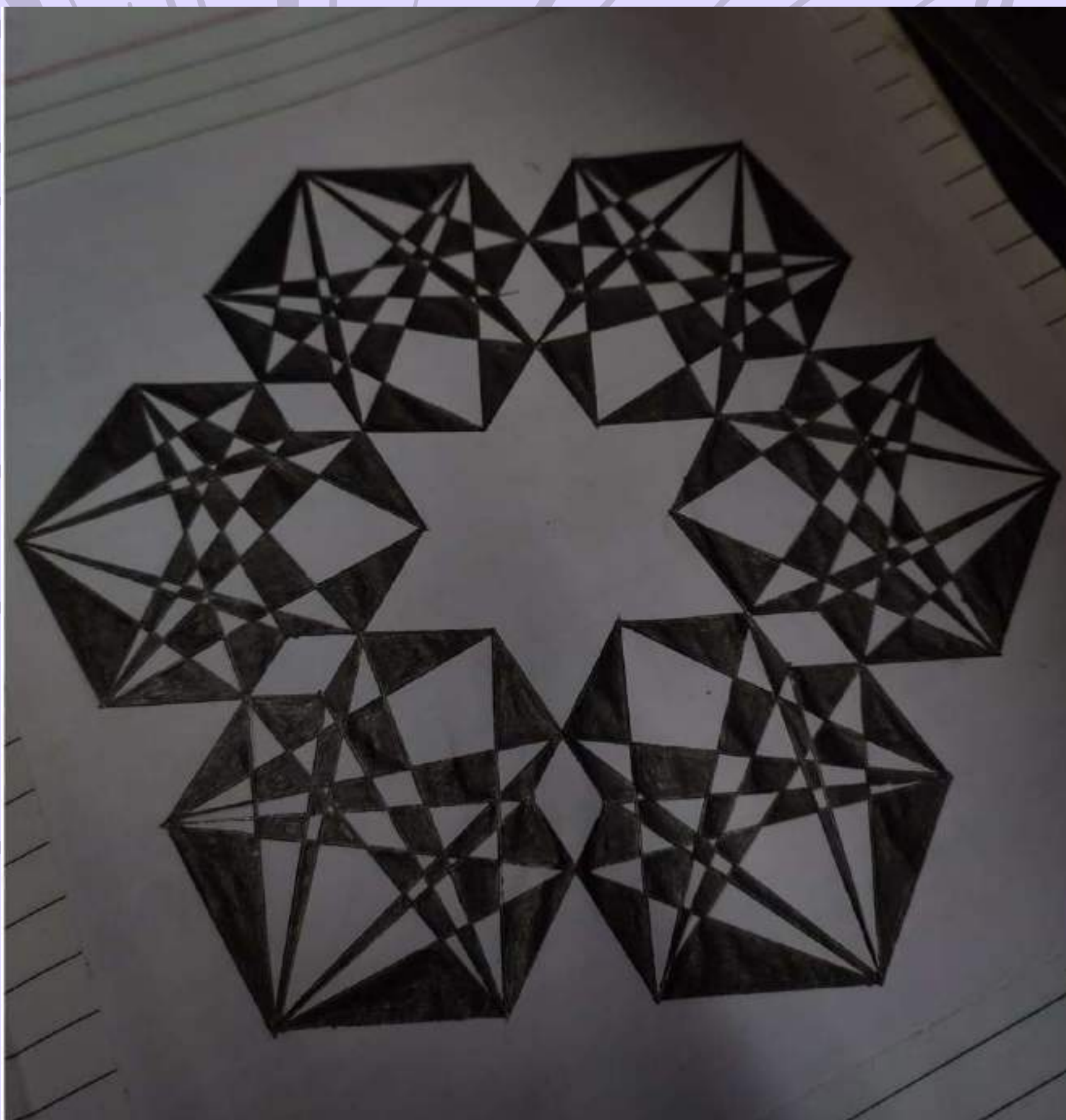


JOHNNY GEORGE JOSEPH  
(ELECTRICAL SEM 6)





SAKSHI SUNIL GADGE  
(ELECTRICAL SEM 6)







ANAND UNNIKRISHNAN  
(ELECTRICAL SEM 6)





# **DEPRESSION – DEPRESSED IMPRESSION**



**Why are we so depressed?**

**Spending the swings of the clock in distress.**

**How big is this world just immensely grand,**

**Where are we and where do our problems stand?**

**A lot of things yet to discover and find,**

**And we are stuck with vision for blind.**

**You have potentials so don't worry about the fate,**

**Counter your problems with a fair checkmate.**

**Opportunities don't always come knocking your door,**

**You have to be ready with your oars waiting on the shore.**

**Never underestimate your very own credibility,**

**Its all about your guts, never question your ability.**

**Life is not about your problems and complains,**

**Rise above failure and then see who is the one with blames.**

**Learn to wear your very own crown,**

**Live all the shades of life be your own clown.**



**- HARSHAL MISHRA  
(ELECTRICAL SEM 6)**



# BALANCING A ROLLER COASTER LIFE

We all live adventurous life which is often amazing to enjoy it  
But we just sometimes don't realise the importance of life till the last moment of life.

We all have loved ones in the journey called life which is excited to live with them  
But we just sometimes ignore those people during busy days of life .

We all have an open window that gives a ray of hope during rough patches  
But we just sometimes see open windows as closed windows of life.

We all have experienced many stormy seas and calm waters in the course of life  
But we just sometimes ignore those valuable moments of life.

We all have treasure chests which are filled with uncountable memories  
But we just sometimes don't open those priceless memories of life.

We all have lost our loved ones who were very special in our life  
But we just sometimes can't stop thinking about special moments of life.

We all have different superpowers within us that make us different from others  
But we just sometimes hardly use those superpowers during the cycle of life .

We all have the strength and responsibilities to make this world a better place to live  
But we just sometimes are engrossed in the small world of life.

- SHRUTI SHRIKANT MAYEKAR  
(ELECTRICAL SEM 6)

# A BLOODY SHARD

I don't fit in  
Among flowers and stars  
I don't fit in  
I got no magical scars

I would have cherished  
The wounds of heart wars  
I would have healed but  
This story isn't ours

I got no design  
I failed to organize  
All the pebbles before me  
They waited and tried

But I didn't paint them  
More like I condemned them  
And when they broke and slipped through the gap  
I was left with nothing but shame

But this story isn't ours  
My fingers failed to hold the sand  
We got some ugly scars  
Now alone in the dark I stand

Alone I needed to stand  
I never fitted among flowers and stars  
The story I figured is mine  
I need to cherish my battle scars

My worth I figured  
Is more than a pawn  
Sharp and resilient  
I'm a bloody shard

- SANSKRUTI HODAWADEKAR  
(ELECTRICAL SEM 4)



# Earth is Healing

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I woke up today, it wasn't the usual morning, it was the morning for which I waited 10 years. You've must be thinking, what so miraculous has happened? But it really has to be called a miracle. For almost a year, no one has stepped out of the house.

Currently only essential services are in operation. Like everyone else, I was home for a year. This may have made me a little lazy. But this situation made me realize something very important. Today I see birds chirping after 10 years. Yes, you may not believe it but it's been 1 years since I noticed little sparrows sitting in my windows, creating little noisy environment, blessing the morning and many more.. when I was 8, i used to notice the same after waking up, but gradually as time passed maybe I forgot to notice or they just disappeared throughout the years. I haven't been able to see a single bird from last 4-5 years. It's strange enough for me because after sudden lockdown we faced many changes in the nature. Many of us may have noticed it or may have not but EARTH IS HEALING, and it's relieving. I don't know for how long this situation will last but yet again I don't want this tiny creatures to disappear all of sudden ever again!

- VIDNYA GOSAVI  
(ELECTRICAL SEM 4)

# PLACEMENT CELL

## PLACEMENT SUMMARY 2021-22

NAME OF THE STUDENT	ROLL NO.	BRANCH	YEAR OF PASSING	ON/OFF CAMPUS	NAME OF THE EMPLOYER
<u>Sankita Gorule</u>	401821	Electrical	2022	ON	Tata Elxsi <a href="http://www.tataelxsi.com">www.tataelxsi.com</a>
<u>Aditya Jaiswal</u>	401822	Electrical	2022	ON	Tata Elxsi <a href="http://www.tataelxsi.com">www.tataelxsi.com</a>
<u>Sahil Mohite</u>	401836	Electrical	2022	ON	Tata Elxsi <a href="http://www.tataelxsi.com">www.tataelxsi.com</a>
<u>R. Aniketh</u>	401846	Electrical	2022	ON	Tata Elxsi <a href="http://www.tataelxsi.com">www.tataelxsi.com</a>
<u>Avinash Saruk</u>	401852	Electrical	2022	ON	Tata Elxsi <a href="http://www.tataelxsi.com">www.tataelxsi.com</a>
<u>Bhanu Pratap Singh</u>	401857	Electrical	2022	ON	Tata Elxsi <a href="http://www.tataelxsi.com">www.tataelxsi.com</a>
<u>Supriya Bhivsane</u>	401864	Electrical	2022	ON	Tata Elxsi <a href="http://www.tataelxsi.com">www.tataelxsi.com</a>
<u>Rasika Chaudary</u>	401867	Electrical	2022	ON	Tata Elxsi <a href="http://www.tataelxsi.com">www.tataelxsi.com</a>
<u>Shivam Oza</u>	401869	Electrical	2022	ON	Tata Elxsi <a href="http://www.tataelxsi.com">www.tataelxsi.com</a>
<u>Agnel Austin</u>	401804	Electrical	2022	ON	Cognizant <a href="http://www.cognizant.com">www.cognizant.com</a>
<u>Gilbert James</u>	401818	Electrical	2022	ON	Cognizant <a href="http://www.cognizant.com">www.cognizant.com</a>
<u>Sankita Gorule</u>	401821	Electrical	2022	ON	Cognizant <a href="http://www.cognizant.com">www.cognizant.com</a>
<u>Mohit Kadam</u>	401823	Electrical	2022	ON	Cognizant <a href="http://www.cognizant.com">www.cognizant.com</a>
<u>Shriraj Lakhpatri</u>	401826	Electrical	2022	ON	Cognizant <a href="http://www.cognizant.com">www.cognizant.com</a>
<u>Kunjal Mahajan</u>	401827	Electrical	2022	ON	Cognizant <a href="http://www.cognizant.com">www.cognizant.com</a>
<u>Sahil Mohite</u>	401836	Electrical	2022	ON	Cognizant <a href="http://www.cognizant.com">www.cognizant.com</a>

# PLACEMENT CELL

## PLACEMENT SUMMARY 2021-22

NAME OF THE STUDENT	ROLL NO.	BRANCH	YEAR OF PASSING	ON/OFF CAMPUS	NAME OF THE EMPLOYER
<u>Siddhesh Mohite</u>	401837	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Muskan Saxena</u>	401838	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Shruti Nair</u>	401842	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Yashwant Patil</u>	401843	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Avinash Saruk</u>	401852	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Mohammed Owais</u>	401853	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Silviya Joy</u>	401855	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Bhanu Pratap Singh</u>	401857	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Amogh Khedekar</u>	401871	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Kritika Kamath</u>	401876	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Vijay Shinde</u>	401877	Electrical	2022	ON	Cognizant <u><a href="http://www.cognizant.com">www.cognizant.com</a></u>
<u>Agnel Austin</u>	401804	Electrical	2022	ON	<u>TCS Digital</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>
<u>Harsh Chaudhary</u>	401811	Electrical	2022	ON	<u>TCS Ninja</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>
<u>Denzil Cruz</u>	401813	Electrical	2022	ON	<u>TCS Ninja</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>
<u>Shikha Menon</u>	401832	Electrical	2022	ON	<u>TCS Ninja</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>
<u>Ayush Misra</u>	401835	Electrical	2022	ON	<u>TCS Ninja</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>
<u>Siddhesh Mohite</u>	401837	Electrical	2022	ON	<u>TCS Ninja</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>
<u>Swaraj Naik</u>	401840	Electrical	2022	ON	<u>TCS Ninja</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>
<u>Shruti Nair</u>	401842	Electrical	2022	ON	<u>TCS Ninja</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>
<u>Kritika Kamath</u>	401876	Electrical	2022	ON	<u>TCS Ninja</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>
<u>Raheel Qureshi</u>	4018145	Electrical	2022	ON	<u>TCS Ninja</u> <u><a href="http://www.tcs.com">www.tcs.com</a></u>



# PLACEMENT CELL

## PLACEMENT SUMMARY 2021-22

NAME OF THE STUDENT	ROLL NO.	BRANCH	YEAR OF PASSING	ON/OFF CAMPUS	NAME OF THE EMPLOYER
<u>Vedant Rajput</u>	4018147	Electrical	2022	ON	TCS Ninja <a href="http://www.tcs.com">www.tcs.com</a>
<u>Vishal Vincent</u>	401762	Electrical	2022	ON	Qspider <a href="http://www.qspiders.com">www.qspiders.com</a>
<u>Pratik Deokate</u>	401816	Electrical	2022	ON	Qspider <a href="http://www.qspiders.com">www.qspiders.com</a>
<u>R. Aniketh</u>	401846	Electrical	2022	ON	Qspider <a href="http://www.qspiders.com">www.qspiders.com</a>
<u>R. Aniketh</u>	401846	Electrical	2022	OFF	Infosys <a href="http://www.infosys.com">www.infosys.com</a>
<u>Shraddha Ambilkar</u>	401806	Electrical	2022	ON	Accenture <a href="http://www.accenture.com">www.accenture.com</a>
<u>Khaliluddin Sarkazi</u>	401825	Electrical	2022	ON	Accenture <a href="http://www.accenture.com">www.accenture.com</a>
<u>Ayush Misra</u>	401835	Electrical	2022	ON	Accenture <a href="http://www.accenture.com">www.accenture.com</a>
<u>Onkar Dere</u>	401872	Electrical	2022	ON	Royal Haskoning DHV <a href="http://global.royalhaskoningdhv.com">global.royalhaskoningdhv.com</a>
<u>Manasi Desale</u>	401874	Electrical	2022	ON	Panasonic <a href="http://www.panasonic.com">www.panasonic.com</a>
<u>Mavid Varghese</u>	401728	Electrical	2022	ON	Skolar <a href="http://skolar.in">skolar.in</a>
<u>Shivam Anvekar</u>	401808	Electrical	2022	ON	Samman <a href="http://www.sammanengineering.co">www.sammanengineering.co</a>
<u>Mohit Kadam</u>	401823	Electrical	2022	ON	Samman <a href="http://www.sammanengineering.co">www.sammanengineering.co</a>
<u>Pratik Bhole</u>	401810	Electrical	2022	ON	LTI <a href="http://www.lntinfotech.com">www.lntinfotech.com</a>
<u>Ayush Misra</u>	401835	Electrical	2022	ON	LTI <a href="http://www.lntinfotech.com">www.lntinfotech.com</a>
<u>Pratik Bhole</u>	401810	Electrical	2022	ON	Decimal Point <a href="http://decimalpointanalytics.com">decimalpointanalytics.com</a>
<u>Siddhesh Mohite</u>	4018137	Electrical	2022	ON	Buildtrack <a href="http://www.buildtrack.in">www.buildtrack.in</a>
<u>Shikha Menon</u>	401832	Electrical	2022	ON	Torrent Power <a href="http://www.torrentpower.com">www.torrentpower.com</a>
<u>Avinash Saruk</u>	401852	Electrical	2022	ON	Torrent Power <a href="http://www.torrentpower.com">www.torrentpower.com</a>
<u>Kunjai Mahajan</u>	401827	Electrical	2022	ON	Xoriant <a href="http://www.xoriant.com">www.xoriant.com</a>
<u>Shruti Nair</u>	401842	Electrical	2022	ON	Xoriant <a href="http://www.xoriant.com">www.xoriant.com</a>
<u>Raheel Qureshi</u>	401845	Electrical	2022	ON	Xoriant <a href="http://www.xoriant.com">www.xoriant.com</a>

# PLACEMENT CELL

## PLACEMENT SUMMARY 2021-22

NAME OF THE STUDENT	ROLL NO.	BRANCH	YEAR OF PASSING	ON/OFF CAMPUS	NAME OF THE EMPLOYER
<u>Agnel Austin</u>	401804	Electrical	2022	ON	L & T <u><a href="http://www.larsentoubro.com">www.larsentoubro.com</a></u>
<u>Shraddha Ambikar</u>	401806	Electrical	2022	ON	L & T <u><a href="http://www.larsentoubro.com">www.larsentoubro.com</a></u>
<u>Shriraj Lakhpati</u>	401826	Electrical	2022	ON	L & T <u><a href="http://www.larsentoubro.com">www.larsentoubro.com</a></u>
<u>Kritika Kamath</u>	401876	Electrical	2022	ON	L & T <u><a href="http://www.larsentoubro.com">www.larsentoubro.com</a></u>
<u>Pranav Samant</u>	401868	Electrical	2022	ON	Tecnimont <u><a href="http://www.tecnimont.it">www.tecnimont.it</a></u>
<u>Akash Metha</u>	401875	Electrical	2022	ON	Tecnimont <u><a href="http://www.tecnimont.it">www.tecnimont.it</a></u>
<u>Reuben Jose</u>	401848	Electrical	2022	ON	ZS Associates <u><a href="http://www.zs.com">www.zs.com</a></u>
<u>Lennard Dsouza</u>	401817	Electrical	2022	ON	Godrej <u><a href="http://www.godrej.com">www.godrej.com</a></u>
<u>Khaliluddin Sarkazi</u>	401825	Electrical	2022	ON	Godrej <u><a href="http://www.godrej.com">www.godrej.com</a></u>
<u>Ranjit Salvi</u>	401849	Electrical	2022	ON	Godrej <u><a href="http://www.godrej.com">www.godrej.com</a></u>
<u>Yadnesh Mhatre</u>	401834	Electrical	2022	ON	BURNS McDONNELLS <u><a href="http://www.burnsmcd.com">www.burnsmcd.com</a></u>
<u>Swaraj Naik</u>	401840	Electrical	2022	ON	BURNS McDONNELLS <u><a href="http://www.burnsmcd.com">www.burnsmcd.com</a></u>
<u>Vedant Rajput</u>	401847	Electrical	2022	ON	BURNS McDONNELLS <u><a href="http://www.burnsmcd.com">www.burnsmcd.com</a></u>
<u>Jaydeep Vartak</u>	401861	Electrical	2022	ON	BURNS McDONNELLS <u><a href="http://www.burnsmcd.com">www.burnsmcd.com</a></u>
<u>Zarif Mohammad</u>	401866	Electrical	2022	ON	BURNS McDONNELLS <u><a href="http://www.burnsmcd.com">www.burnsmcd.com</a></u>
<u>Sanjana Gunti</u>	401870	Electrical	2022	ON	BURNS McDONNELLS <u><a href="http://www.burnsmcd.com">www.burnsmcd.com</a></u>
<u>Prashant Indalkar</u>	401873	Electrical	2022	ON	BURNS McDONNELLS <u><a href="http://www.burnsmcd.com">www.burnsmcd.com</a></u>
<u>Vijay Shinde</u>	401877	Electrical	2022	ON	BURNS McDONNELLS <u><a href="http://www.burnsmcd.com">www.burnsmcd.com</a></u>
<u>Sankita Ghorule</u>	401821	Electrical	2022	ON	Technip <u><a href="http://www.technipfmc.com">www.technipfmc.com</a></u>
<u>Shruti Nair</u>	401842	Electrical	2022	ON	Schneider <u><a href="http://www.se.com">www.se.com</a></u>
<u>Yashwant Patil</u>	401843	Electrical	2022	ON	Schneider <u><a href="http://www.se.com">www.se.com</a></u>
<u>Sanjana Gunti</u>	401870	Electrical	2022	ON	Schneider <u><a href="http://www.se.com">www.se.com</a></u>



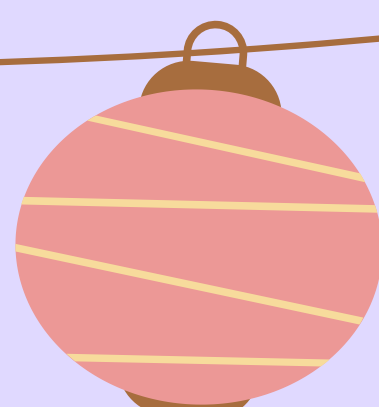
# Batch 2019-2022



**Fr.C.Rodrigues Institute of Technology**

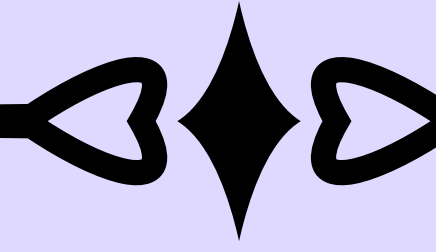
Sector 9A, Vashi, Navi Mumbai

25th Batch of BE Electrical Engineering, 2022





# INDUSTRIAL VISIT!



## SH2021

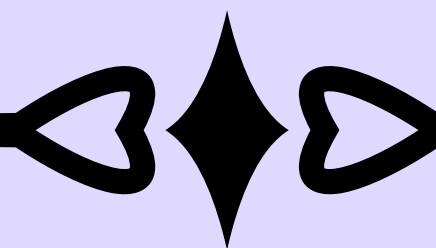
<u>Sr.No.</u>	<u>Name and address of the Industry</u>	<u>Sem</u>	<u>Date of Visit</u>
1	<u>MSEDCL KALYAN</u>	<u>V,VII</u>	3/9/2021
2	<u>ELECTRON BEAM CENTRE KHARGHAR</u>	VII	30/9/2021
3	<u>PROLIFIC SYSTEMS AND TECHNOLOGIES PVT.LTD</u>	<u>V,VII</u>	4/12/2021

## FH2022

<u>Sr.No.</u>	<u>Name and address of the Industry</u>	<u>Sem</u>	<u>Date of Visit</u>
1	<u>Electron Beam Centre, CBD Belapur, Navi Mumbai</u>	IV	3/3/2022
2	<u>Centrail Railway Carriage Matunga</u>	VI	15/2/2022
3	<u>DOL Motors, Rabale, Navi Mumbai</u>	VIII	3/3/2022
4	<u>Shrihans Electricals Pvt. Ltd, Taloja</u>	IV	9/4/2022



# ATAL FDP ON POWER ELECTRONIC SYSTEMS AND ITS REAL TIME CONTROL IMPLEMENTATION IN DSP



Five Day's AICTE sponsored workshop was conducted from 8th to 12th November 2021 organized by Department of Electrical Engineering, Agnel Charities' Fr. C. Rodrigues Institute of Technology, Vashi in which 188 participants from different parts of the country participated. The speakers for the 5-day workshop were from eminent institutes Dr.Vivek Agarwal (Professor, IIT Bombay), Dr. Sujit K. Biswas (Professor, STCET, Kolkata), Dr. Umanand L. (Professor, IISC), Dr. Prajof P. (Assistant Professor, NITK), Dr. Shreelakshmi L. (Assistant Professor, NITC), Dr. Sushil Thale (Professor, FCRIT, Vashi), Dr. Amit kumar Gupta (L&T, Mumbai), Mr. M. Madhubabu (Robert Bosch Engg. & Business Solutions) and others. The schedule of the workshop was as below –

<b>AICTE (ATAL) Sponsored Faculty Development Program (online) on "Power Electronic Systems and its Real Time Control Implementation in DSP"</b> (Duration: 08/11/2021 to 12/11/2021) Organized by <b>Department of Electrical Engineering Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai</b> <b>Program Schedule</b>					
Date	Time Slot				
	9:15 AM to 11:15 AM	11:15 AM to 11:30 AM	11:30 AM to 13:30	13:30 to 14:30	14:30 to 16:30
Day - 1 08/11/2021	<b>Inauguration (9.15-9.45am)</b> Session – 1 Power Electronics Systems and its Applications <b>Dr. Vivek Agarwal, IITB</b>	Tea Break	Session – 2 Practical Considerations in Power Electronic Converters <b>Dr. Sujit K. Biswas, STCET, Kolkata</b>	Lunch Break	Session – 3 Control of Power Electronic Converters <b>Dr. Umanand L., IISC</b>
Day - 2 09/11/2021	Session – 4 Basics of Digital Signal Processor (DSP) <b>Dr. Prajof P., NITK</b>		Session – 5 Programming of DSP <b>Dr. Shreelakshmi L., NITC</b>		Session – 6 Interface design-DSP & PE Systems <b>Dr. Sushil Thale, FCRIT</b>
Day - 3 10/11/2021	Industry Session – 7 PCB design Considerations <b>Dr. Amit kumar Gupta, L&amp;T, Mumbai</b>		Industry Session – 8 Reliability of PE systems <b>Mr. M. Madhubabu, Robert Bosch Engg. &amp; Business Solutions</b>		Session – 9 Health and Happiness <b>Dr. Abdul Rasheed, Principal, MCE</b>
Day - 4 11/11/2021	Session – 10 Simulation Tools for Implementation of PE systems <b>Prof. Harshal Wani, GEC, Valsad</b>		Session – 11 EMI Issues of Power Electronic Systems <b>Dr. Shreenivas Jog, DIT, Pimpri</b>		Session – 12 DSP Implementation of SPV based off-grid system & battery back up <b>Dr. Dipankar Debnath, IITKgp</b>
Day - 5 12/11/2021	Session – 13 DSP Implementation of control strategy of grid inverter <b>Dr. Subhendu Dutta, IITD</b>		Session – 14 Implementation Issues of PE systems in DSP <b>Dr. Ramsha Karampuri, VNIT Nagpur</b>		Test, Feedback and Valediction



# E.E.S.A



## **CONVENER**

**ELECTRICAL ENGINEERING STUDENTS ASSOCIATION (EESA)**

**Committee Members (2021-2022)**

Sr. No.	Post	Name
1	Chairperson	Shruti Mayekar
2	Secretary	Sidharth Vanjari
3	Treasurer	Saurabh Kaduskar
4	Magazine Editors	Srushti Lad, Anamika Sharma
5	Social Event coordinator	Harshal Mishra
6	Sponsorship head	Anubhav Panda , Ayush Yadav
7	Programme Co-ordinators	Anand U. , Vivek K. , Annie N., Shruti C. , Purva D., Chayan Pooja , Dharaa K. , Sakshi G. , Mujahid M. Umair, Suryawanshi Vaishnavi

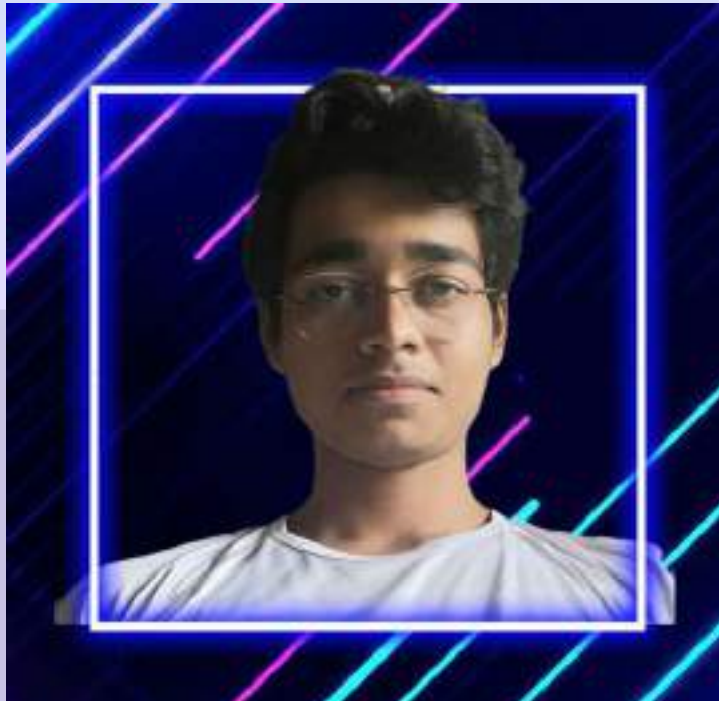


# COMMITTEE MEMBERS

---



**SHRUTI MAYEKAR**



**SIDHARTH  
VANJARI**



**SAURABH  
KADUSKAR**



**SRUSHTI LAD**



**ANAMIKA SHARMA**



**HARSHAL MISHRA**



**ANUBHAV PANDA**



**AYUSH YADAV**



**ANAND UNNIKRISHNAN**





**VIVEK KANNAUIYA**



**SHRUTI CHAKRABORTY**



**PURVA DUBAL**



**POOJA CHAVAN**



**DHARAA KARELIYA**



**SAKSHI GHADGE**



**UMAIR MUJAHID M**



**VAISHANAVI SURYAWANSHI**

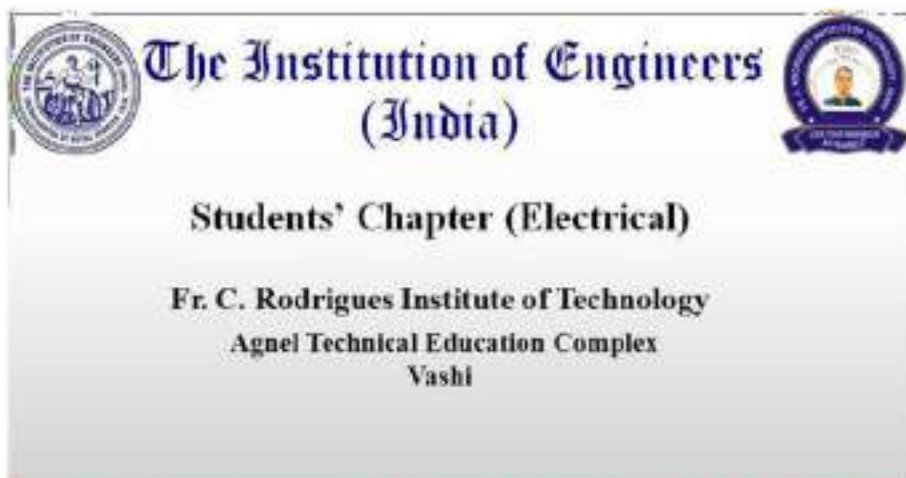


**ANNIE NADAR**





Thank  
you



## About Institute

Fr. C.R.I.T. has, within a short span of time, established itself as a leading engineering college in Mumbai University. Though its reputation rests mainly on the high quality, value-based technical education that it imparts, it has to its credit a verdant, well-maintained Campus and extensive facilities. Its location in the vicinity of the holy places of various religious denominations underscores its secular



*FCRIT, Vashi Campus*

credentials and its philosophy of "Vasudha Iva Kodambakkam". The

college prides on being one of few that as accreditation for all five branches vide file no. Western/110975255125/2022/EOA NBA dated 02.06. 2022.

## About Department

Electricity has been a subject of scientific interest since at least the 17th century and hence is considered as one of the oldest branches of engineering. The students are taught to design, analyze, implement and operate electrical and electronics systems efficiently, thus opening the doors to new challenges. In this aspect the students are given in-depth knowledge in Machines, Power Systems, Control System, Signal Processing, Drives, Power Electronics, Microprocessors and Switched Mode Power Supplies. To impart this, we have well qualified

experienced and dedicated staff in the department. Moreover, students have access to well-equipped labs such as Renewable Energy Lab and Project Lab for sharpening the mind of the students with practical knowledge. The department Vision and Mission are:

### ***Department Vision:***

To evolve as a progressive center for modern technical education in the field of Electrical Engineering to produce self-sustainable professionals through value-based education.

### ***Department Mission:***

- To provide modern technical education in the area of Electrical Engineering.
- To collaborate with



Industries and institutes of repute to grow progressively.

- To provide holistic environment for the development of socially responsible citizens.

### ***Program Educational Objectives (PEO):***

Graduates will be able to:

- Demonstrate core competency in the areas of power system, power electronics, machines, renewable energy and allied disciplines
- Contribute to environmental sustainability through design, development and commissioning of green energy or clean energy systems
- Excel in professional career and higher education with ethical values.

### ***Program Specific Outcomes (PSO):***

Graduates will be able to...

- Comprehend and analyze the problems in power generation, transmission and distribution systems.
- Acquire technical knowledge, skill and competency in development of Renewable energy system and contribute to energy efficiency

### **About IEI**

The Institution of Engineers (India) [IEI] is a statutory body to promote and advance the engineering and technology, established in 1920 and incorporated by Royal Charter in 1935. It is the largest multi-disciplinary professional body of engineers encompassing 15 (fifteen) engineering disciplines with a membership of more than 820 thousand, and serving the nation for more than 9 decades.

IEI has bilateral agreements with a number of Professional societies across the globe. It Holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification. The Institution of Engineers (India), with its

headquarters in Kolkata, India, is administered by a National Council with the President of IEI as its Head.

### **IEI Students' Chapter (Electrical)**

All the students of electrical department are members of the IEI students' chapter. From the second-year students two members are selected as the council members for the academic year 2021-22. The duration of the council is for one year. Under IEI the following events were conducted for academic year 2021-22.

### **IEI EVENTS 2021-22**

- LATEX Workshop
- Mini Project Poster presentation competition
- FEMM COURSE
- Introduction to embedded systems and its applications
- Yoga cum meditation Workshop
- Microgrid and Distributed Generation Design and Control
- How to write Technical/Research Paper

➤ Expert  
Lecture

### LATEX WORKSHOP

A LATEX Workshop was organized and conducted by the IEI Student Council on 4th, and 25th March 2022 on Google Meet & Offline platform. The workshop was conducted by Mr. Piyush Khaire, Mr. Rohan Morye.

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.



***LATEX Workshop Banner***

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 same day students were taught more advance features and codes which were helpful for making a professional report.

After the session on the offline day a concluding ceremony was given and students were given a final assignment of making their own report.



***Event Photograph***

### MINI PROJECT POSTER PRESENTATION COMPETITION

A Mini Project poster presentation competition was organized and conducted by IEI Council on 12th February 2022 on Microsoft Teams platform. In this competition 48 students of second year participated. The main objective was to enhance student's knowledge with their creative streak and express their ideas. Firstly, the poster presentation template was circulated among students for preparing the poster. The poster was prepared based on the mini project. There was total 15 poster in the competition. The judge for poster presentation was Mr. Chinmay Gadre, Pursuing Masters from IIT Madras.

The poster with title "Signal Jammer" bagged the first position and "Smart Road" won the second position. After the competition the students were able to show case their ideas and presentation skills.

The summary of feedback was observed that most of the students found the session useful and knowledgeable.

Based on feedback action to be taken is that many such competition has to be conducted in future. Prize money of 1000/- and 500/- to First and the Second Position was distributed respectively in Vidyut Seminar by our respected HOD Ms. Bindu Ma'am.

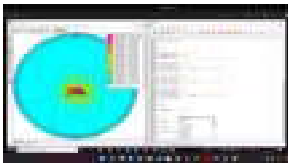


***Event Photograph***



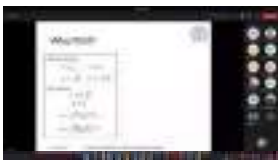
### FEMM Workshop

A FEMM Workshop was organized and conducted by the IEI Student Council on 15<sup>th</sup>, 16<sup>th</sup>, 22<sup>nd</sup>, 23<sup>rd</sup> January 2022 on MS Teams platform. The workshop was conducted by Mr. Alok Sahoo, PhD Research Scholar, PMRF.



**Event Photograph**

In view of globalization to survive in a competitive environment, it is necessary for students to have technology related innovative ideas.



**Event Photograph**

The objectives of this Webinar were to provide platform for technology related innovative ideas from the student community as well as to motivate young professionals to see how the field of technology works and helps in our problem solving scenarios.

Also students were able learn the simulation of magnetic circuits. Various assignments were given to students on Magnetic Circuits by Alok Sahoo Sir.

This event concluded with the students encouraging these type of webinars and happen to join more like these.

### Introduction to embedded systems and its applications:

A Webinar was organized and conducted by the IEI Student Council on 28<sup>th</sup> August 2022 on MS Teams platform. The Webinar was conducted by Mr. Arun Divakaran, Senior Embedded Developer(R&D)- Telematics, Spark minda(SMIT) Bangalore. In this webinar 42 students participated.



**Event Photograph**

This Webinar was centered to develop knowledge in the area of embedded systems and to develop programming skills in the area of embedded Systems.



**Event Photograph**

From this Webinar students were able learn and implement the the basic programming in Arduino. And also the various areas in which these embedded systems are used.

### Yoga cum Meditation Workshop:

A Meditative Workshop was held on 31<sup>st</sup> July 2021 for engineering students of Electrical Dept. In this Workshop 63 members participated and were indulged acutely by Ms. Manisha Shah, Mr. Santosh Pandey, on the platform of Google Meet.



**Event Photograph**

Manisha ma'am is associated with art of living more than 12 years and she is also an art of living teacher.

Her passion is to mediate people and lead them to healthy lifestyle. She has taught many students and professionals to live stress free life.

This Workshop enabled students to have good health, practice mental hygiene, to possess emotional stability.

After long time amid pandemic students had some physical activities also they got to learn more about the benefits of yoga.

#### EXPERT LECTURES:

A total of 8 expert lectures which were conducted by the council in 2021 - 2022. The lectures were so informative and interesting which motivated the students to learn and explore new concepts which would be beneficial to enhance their knowledge. Following are few of them:

- **Prem Srampal** (Co Founder, Strategy and Innovation White Crow Research) organized a "motivational talk" on 31<sup>st</sup> of January 2022, for Semester 4 students on "Facing Failures"



- **Sutej Mota** (Electrical Engg, Substation Design Burns and McDonnell Engineering India Pvt Ltd. Vikhroli, Mumbai) on 11<sup>th</sup> February had a Technical talk on "Fundamentals of FACTS".
- On 12<sup>th</sup> February 2022, **Sayantana Das** (Associate Electrical Engineer, ETAP Automation) conducted an expert lecture on "Understanding ETAP Software for Power System" topic for Semester 8 students.
- On 9<sup>th</sup> February 2020, **Akshat Shenoy** (Senior Design Engineer, Renesas Elec, Cambridge, UK.) discussed on "Strategies to prepare for Higher Studies in Control and Computing" for Semester 6 Students.
- On 12<sup>th</sup> February 2022, **Mayuri Bhirud** (Electrical Design Engineer, Worly India) discussed on "Practical Skills in Career Building" for Semester 6 Students.
- On 6<sup>th</sup> April 2022, **Dr. Bindu R** (Associate Professor FCRIT Vashi) arranged expert lecture on "Design and Sizing of ESS for EV Applications" for Semester 6 students.
- On 19<sup>th</sup> March 2022, **Ramachandra Bhosale** (Tech Staff, Igenenergi Services) discussed on the the topic of "Why Induction Motors are so popular" for the Semester 4 students.



Event Photographs:



## IEI COMMITTEE

## The committee for the term 2021-22:



Piyush Chandrakant Khaire  
*(Chairperson)*



Rohan Milind Morye  
*(Secretary)*



Prof. Divya  
Sajeesh  
*(Staff Advisor)*