

Agnel Charities'

*FR. C. RODRIGUES INSTITUTE OF
TECHNOLOGY, VASHI*

Department of Electrical Engineering

SCINTILLATE

**Electrical Engineering
Student Association
(EESA)**

2022-2023



HOD's Message



Dear students,

A student association's main goals are to improve the abilities and knowledge of its members while giving students a chance to exercise leadership through planning events. Every year, for the benefit of electrical students, the Electrical Engineering Students Association (EESA) organizes a variety of activities, both technical and non-technical. The entire development of students is aided by these activities. EESA publishes a magazine that provides a platform for our students to express their talent in order to foster their creative side. I send my warmest congratulations to the EESA council on its successful tenure conclusion.

- Dr. Bindu S.
HOD
ELECTRICAL DEPARTMENT

Electrical Engineering At FCRIT

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

In this aspect, the students are given in-depth knowledge of Machines, Power Systems, Control Systems, 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.



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Vision Mission Of Electrical Engineering Department

Vision

To evolve as a progressive centre for modern technical education in the field of Electrical Engineering to produce self sustainable 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.

PEO & PSO Of Electrical Engineering Department



Program Educational Objective (PEO)

Graduates will be able to...

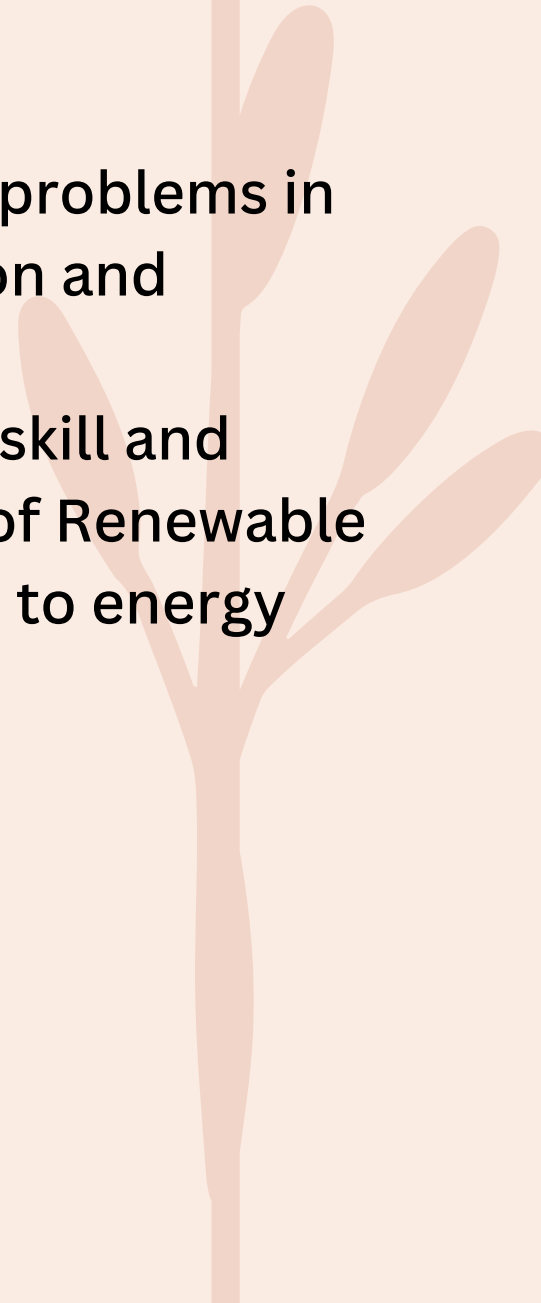
- Demonstrate core competency in the areas of power system, power electronics, machines, renewable energy and allied disciplines.
- Contribute to environmental sustainability through design, development and commissioning of green energy or clean energy systems.
- Excel in professional career and higher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

PEO & PSO Of Electrical Engineering Department



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.
- 

Staff Publications

Conference Publications

No.	Author	Title of the paper	Name of the conference	Name of Organizing Institute with place	Year
1	Mrs. Sreedevi S Nair	Exploration of Three-port converters and its Multidisciplinary Applications	2022 IEEE 3rd Global Conference for Advancement in Technology (GCAT)	Nagarjuna College of Engineering and Technology, Bangalore	SH2022
2	Dr. Bindu R	Design and Development of Toroidal Core Winding Machine with Digital Interface	2022 International Conference on Futuristic Technologies (INCOFT 2022)	S. G. Balekundri Institute of Technology, Belagavi	SH2022
3	Dr. Bindu S	Analysis of a Solid-State Switch as Peaking Switch in a Solid-State Marx Generator	2022 Second International Conference on Next Generation Intelligent Systems	RIT, Kottayam, Kerala	SH2022
4	Dr. Bindu S	A Novel Approach for Operational Efficiency Assessment of Electrical Utilities	ICNTE	Fr C Rodrigues Institute of Technology, Vashi	FH2023
5	Mrs. Divya Sajeesh	Design and Analysis of Microinverter for Residential PV application	9th International Conference on Electrical Energy Systems (ICEES 2023)	Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam - 603110, Chennai, India	FH2023
6	Dr. Mahendra Rane, Mrs. Rashmi Kale, Mr. Abhishek Shiwalkar	Stability Analysis of Quadratic Boost Converter with Different Controllers	IEEE & IAS Technically Co-sponsored, ALCTE Sponsored 5th Biennial International Conference on Nascent Technologies in Engineering, ICNTE 2023	Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai	FH2023
7	Dr. Mini Rajeev, Mrs. Sreedevi S Nair	Exploration of Three-port DC to DC Converters and its Multidisciplinary Applications	2022 IEEE 3rd Global Conference for Advancement in Technology (GCAT)	IEEE Bangalore, India	SH2022

Staff Publications

Conference Publications

No.	Author	Title of the paper	Name of the conference	Name of Organizing Institute with place	Year
8	Dr. Mini Rajeev	Improved Current Source Inverter with Lesser Input Inductor for PV- Grid Interface	ICETEMS 2023	Yeshwant Rao Chavan College of Engineering, Nagpur	SH2022
9	Dr. Mini Rajeev	Smart Gas Stove with Inbuilt Safety Features	ICNTE 2023	Fr. C. Rodrigues Institute of Technology, Vashi	FH2023
10	Mrs. Seema Jadhav & Dr. Mini Rajeev	Design and Development of a Small Scale EMU Model with Motorman Cabin Emulation	ICNTE 2023	Fr. C. Rodrigues Institute of Technology, Vashi	FH2023
11	Mrs. Rashmi Kale	Development of Solar Powered Electric Vehicle Prototype	7th International Conference On Production and Industrial Engineering (CPIE-2023)	Dr B R Ambedkar National Institute of Technology Jalandhar- 144027, India	FH2023
12	Mrs. Seema Jadhav, Mrs. Ruchi Harchandani	Performance Characteristics Analysis for Solar PV Module	5th Biennial International Conference on Nascent Technologies in Engineering	Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India	FH2023
13	Mrs. Seema Jadhav and Dr. Mini Rajeev	Design and development of a small scale EMU model with motorman cabin emulation	ICNTE 23	Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India	FH2023
14	Dr. Sushil Thale	Design and Development of Solar Powered Phase Shifted Full Bridge Converter for EV Charger	International Conference on Communication Systems, Computing and IT Applications	St. Fransis Institute of Technology, Mumbai India	FH2023

Staff's Achievements

Journal Publications

No.	Name of the Faculty	Title of paper	Name of the authors	Name of the journal	Publisher	Year
1	Dr. Mini Namboothiripad	Multi- objective predictive control for three- phase three- level neutral- point clamped inverter	Akhilesh Mendon, Agnel Austin, Shraddha Ambilkar, Shikha Menon and Dr. Mini K Namboothiripad	International Journal of Advanced Technology and Engineering Exploration	ACCENTS Journals	FH2023

Book Publication

No.	Name of the teacher	Title of the book published	Title of the chapter published in the book	Name of the publisher	Year
1	Dr. Mini K. Namboothiripad	Power Electronics for Electric Vehicles and Energy Storage Emerging Technologies and Developments	Power Electronic Converters and Implementation in FPGA Applicable to Electric Vehicles	Taylor and Francis Group, CRC Press	FH 2023
2	Dr. Mini Rajeev	Power Electronics for Electric Vehicles and Energy Storage Emerging Technologies and Developments	Power Electronic Converters and Implementation in FPGA Applicable to Electric Vehicles	Taylor and Francis Group, CRC Press	FH 2023

Staff's Achievements

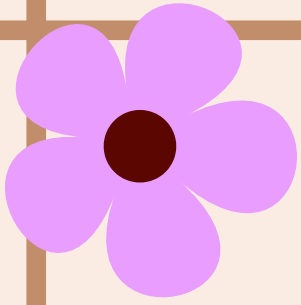
Sr No	Description	Academic Year
1	Certificate of Appreciation to Dr. Mini Rajeev for delivering a talk on the topic "Solar Photovoltaic Systems – Design and Case Studies" for IEEE College of Engineering Trivandrum StB on 25 th July 2022.	SH22
2	Dr. Mini Rajeev served as Resource Person in one week FDP on "Recent Trends in Electrical, Electronics and Telecommunication Engineering" organized by Electrical Engineering and Electronics and Telecommunication Engineering department of Fabtech Technical Campus, College of Engineering and Research, Sangola.	SH22
3	Dr. Mini Rajeev served as resource person in one week STTP on "Power Electronics and Drives" organized by Department of Electrical Engineering, FCRIIT, Vashi from 31 st October 2022 to 4 th November 2022.	SH22
4	Dr. Mini N served as Session Chair at Third Global Conference for Advancement in Technology (GCAT) collaborate work of Nagarjuna College of Engineering and Technology, Bengaluru and IEEE Bangalore section on 7 th and 9 th October 2022.	SH22
5	Dr. Mini N served as resource person in one week STTP on "Power Electronics and Drives" organized by Department of Electrical Engineering, FCRIIT, Vashi from 31 st October 2022 to 4 th November 2022.	SH22
6	Dr. Sushil Thale served as resource person in one week STTP on "Power Electronics and Drives" organized by Department of Electrical Engineering, FCRIIT, Vashi from 31 st October 2022 to 4 th November 2022.	SH22
7	Dr. Bindu R served as resource person in one week STTP on "Power Electronics and Drives" organized by Department of Electrical Engineering, FCRIIT, Vashi from 31 st October 2022 to 4 th November 2022.	SH22

Staff's Achievements

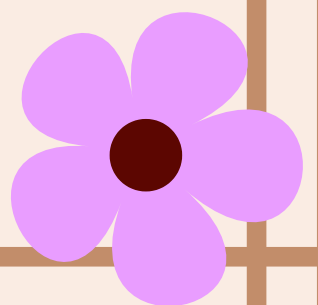
Sr No.	Description	Academic Year
8	Mrs. Ruchi H served as resource person in one week STTP on “Power Electronics and Drives” organized by Department of Electrical Engineering, FCRIT, Vashi from 31st October 2022 to 4th November 2022.	SH22
9	Mrs. Rashmi Kale served as resource person in one week STTP on “Power Electronics and Drives” organized by Department of Electrical Engineering, FCRIT, Vashi from 31st October 2022 to 4th November 2022.	SH22
10	Dr. Mini Rajeev contributed as reviewer at Ideathon -2022 in the Pre-Qualifier round.	SH22
11	Appreciation letter to Dr. Bindu R for delivering seminar at LTCOE Koparkhairane under IEEE-LTCOE students chapter.	SH22
12	Publication of Book Chapter titled ‘Power Electronic Converters and Implementation in FPGA applicable to Electric Vehicles’, CRC Press publication. Authored By: Dr. Mini Rajeev and Dr. Mini Namboothiripad	FH23
13	UG paper accepted and published under guidance of Dr. Mini Namboothiripad in International Journal of Advanced Technology and Engineering Exploration (IJATEE). Research paper titled as ‘ Multi-objective predictive control of three- phase three-level neutral point clamped inverter. ’	FH23
14	ME Project guided by Dr. Mini Rajeev received Gold at ISGF Innovation Awards 2023.	FH23
15	PhD completion of students guided by department.	FH23

Student's Achievements

No	Description	Academic Year
1	Team from FCRIT won first prize in Smart India Hackathon . Final Year Electrical Student Mr. Atharva Pasalkar being one of the Team Members. The team won a cash prize of Rs.1,00,000/- and certificates.	SH22
2	Mr. Kaushal Karhade, student of third year Electrical Engineering got selected to represent NSS Cell, University of Mumbai in Adventure Camp from 14 th October 2022 to 23 rd October 2022.	SH22
3	Team GARUDA from FCRIT secured 10 th Rank in SAEINDIA, AERO DESIGN CHALLENGE 2022 at Chennai. Third year Electrical student Mr. Saurabh Kaduskar being one of the Team Members.	SH22
4	First prize to Divya Vyas, student of BE Electrical, at in CAN- SATELLITE workshop at DBIT, Wadala	FH23
5	First prize to Mr. Atharva Pasalkar, student of BE Electrical at the CAN-SATELLITE workshop at Don Bosco Institute of Technology, Mumbai.	FH23
6	Second prize to Mr. Anand Unnikrishnan, student of BE Electrical in IDEATHON at VIT, Wadala	FH23
7	Second prize to Mr. Vedant Pachpund, student of BE Electrical in IDEATHON at VIT, Wadala	FH23
8	Second Prize to BE Project Group having project titled 'Design and implementation of EV Motor drive using Field Oriented Control' at FCRIT-Avishkar , national level project competition.	FH23
9	Second Prize in Solo Singing Competition at ETAMAX-23, FCRIT, Vashi	FH23
10	IEI Scholarship to 6 students amounting 6000/- each	FH23
11	Best poster award at ICNTE – 2023 at FCRIT Vashi for title 'Design of Voice Controlled System for Wheelchair Application'. (Students: Vikram Kamble, Rahil Borkar, Himanshu mali, Yash Kohad)	FH23



EVENTS
UNPER
EESA



Vidyut Seminar

The Vidyut seminar series is organized by the Electrical Engineering Student's Association (EESA) every semester. Experts from industries are invited to deliver sessions on diverse topics that will help students to gain knowledge outside the engineering curriculum.

The Vidyut seminar series aims to bridge the gap between industry, academia, and students, to foster a healthy environment for their growth.

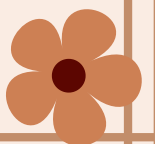


Vidyut Seminar

ELECTRICAL SAFETY

A seminar on electrical safety was organized on 15th October 2022 for the students of TY and BE Electrical. It was held at the first-floor seminar hall and was coordinated by Prof. Rajendra Soni and Mr. Anand Kashid (EESA chairperson).

The dignitary who graced us with their presence was Mr. Nitin Gawade. He shared his experience in the power system industry and discussed the electrical hazards occurring with the precautions and measures that ensure the safety of the workers. It helped us understand the scenario from the perspective of industry.



Mental Health & Stress Management

As a student or human beings, we all endure some sort of stress, which can later have an adverse impact on our mental health. Hence, to offer some tips on mental health and stress management we invited Dr. Aparna Deshmukh. She has been treating patients with sleep disorders, De-addiction, stress management, and counseling on various aspects. This seminar was also held on 15th October 2022 for TY and BE Electrical students.



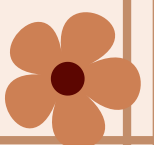


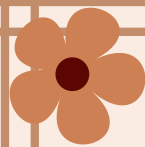
Role Of Electrical Engineer In Industrial Automation

Electrical engineering has various streams to work in. Electrical engineering plays a crucial role in industrial automation, which involves the use of technology and control systems to operate and control various industrial processes with minimal human intervention. The field of industrial automation aims to improve efficiency, productivity, safety, and quality in manufacturing and other industrial operations.

May it be PLC, SCADA or any other control architecture, the more you learn is less. to provide insights on the co-relation of electrical engineering and industrial automation we invited Mr. Omprakash Barure on 15th October 2022.

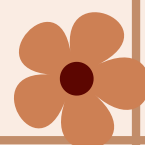
The seminar was held in classroom AX-207 for the second-year students where he guided the young minds to broader their views on the role of electrical engineers in Industrial automation.





Role Of Electrical Engineer In Industrial Automation

Glimpse of the seminar





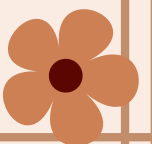
Vidyut Seminar

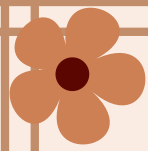
TIME MANAGEMENT

"Give me six hours to chop down a tree and i will spend the first four hours sharpening the axe."

Time management is a skill that transcends professional spheres and permeates every facet of life. Whether striving for academic excellence, or career advancement, an individual who masters time management is poised for success. Furthermore, the discipline and organization cultivated through effective time management can spill over into other areas, fostering a sense of accomplishment and confidence.

For the students of the second year, the seminar on Time Management was addressed by Mr. Swapnil Tulsankar on 15th October 2022 in the classroom AX-207.

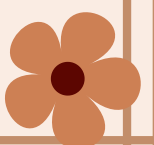




Vidyut Seminar

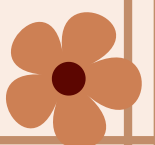
TIME MANAGEMENT

Glimpse of the event



Electrical safety

A MOU was signed between department of electrical engineering, FCRIT and M.S.E.D.C.L. Kalyan on 23rd December 2022. As a part of MOU EESA conducted the seminar on electrical safety on 12th January 2023 for BE, TE, and SE students in the seminal hall. The speakers for the day were Mr. Abhijeet Kohad accompanied with his colleague Mrs. Jayashree Bhoir, both have been working as engineers in training centre. they shared their in-field experiences and insights with students. It was an interactive session.



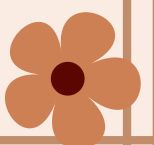


Etamax Vidyut FJF2023

ENTREPRENEURSHIP

Entrepreneurship is the dynamic force that fuels innovation, drives economic growth, and shapes the fabric of societies. At its core, entrepreneurship is the art of identifying, creating, and seizing opportunities in a rapidly evolving world. It thrives on a blend of creativity, resourcefulness, and determination. Entrepreneurs embrace uncertainty, viewing challenges as stepping stones to success and failure as a learning opportunity.

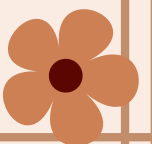
Blending technology and entrepreneurship has the strength to empower the youths of this society. Mr. Shivkumar Valadi, founder and director at Atri MarCon Pvt. Ltd. had an encouraging session with students on 18th March 2023 with first-year students in the class AX-207



Etamax Vidyut FJH2023

ENTREPRENUREHIP

Glimpse of the event





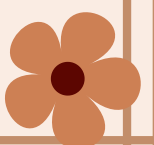
Etamax Vidyut FJH2023

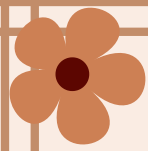
INTELLECTUAL PROPERTY RIGHTS

"IPR is a key aspect for economic developement."

Intellectual Property Rights (IPR) represent a cornerstone of modern society, serving as a crucial mechanism to protect and reward innovation, creativity, and human ingenuity. These legal rights grant individuals and organizations exclusive ownership over their creations, ensuring that their efforts are acknowledged, incentivizing further innovation, and contributing to the advancement of various fields.

On 18th March 2023, an engaging session took place where the speaker Dr. K. K. Sunitha, HOD of business law at V. K. Krishna Menon college, Bhandup (E.) divulged the knowledge of IPR to the second year students in the class AX-209.

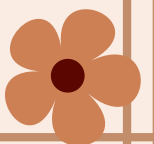




Etamax Vidyut FJH2023

INTELLECTUAL PROPERTY RIGHTS

Glimpse of the event



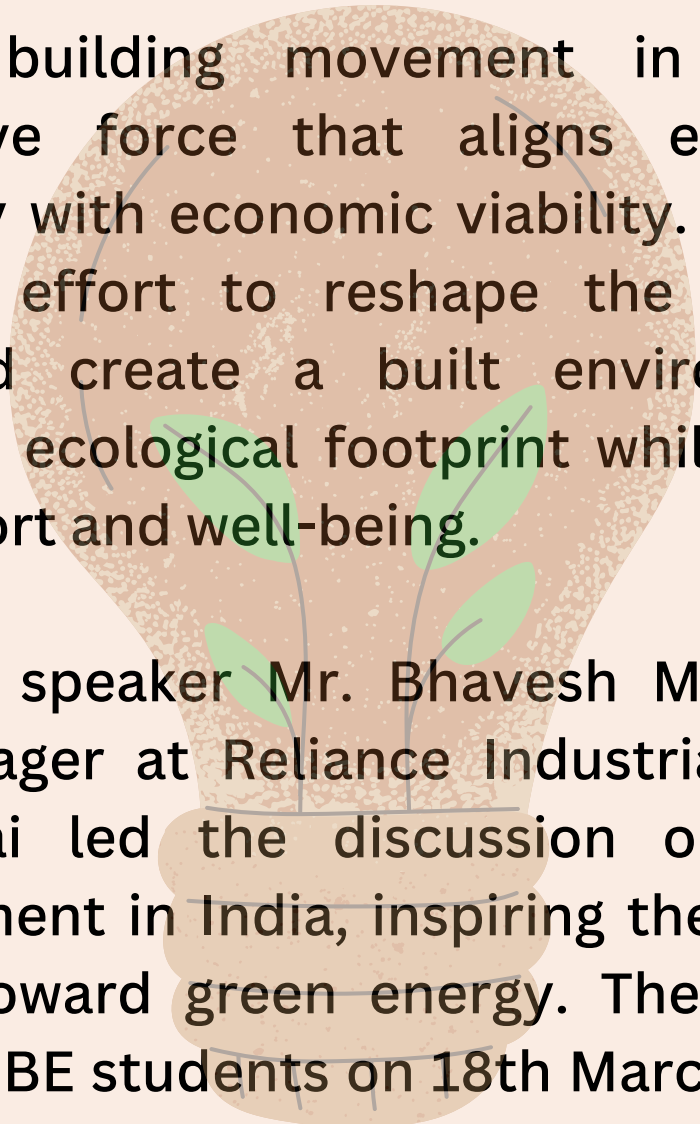


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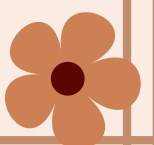
GREEN BUILDING MOVEMENT IN INDIA

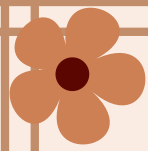
"We are not above nature, we are a part of nature."

The green building movement in India is a transformative force that aligns environmental responsibility with economic viability. It represents a collective effort to reshape the construction industry and create a built environment that minimizes its ecological footprint while maximizing human comfort and well-being.



The keynote speaker Mr. Bhavesh Mehta, deputy general manager at Reliance Industrial Ltd HQ at Navi Mumbai led the discussion on the green building movement in India, inspiring the audience to take steps toward green energy. The session was held for TE & BE students on 18th March 2023 in AX-316.

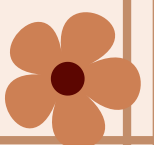




Etamax Vidyut FJF2023

GREEN BUILDING MOVEMENT IN INDIA

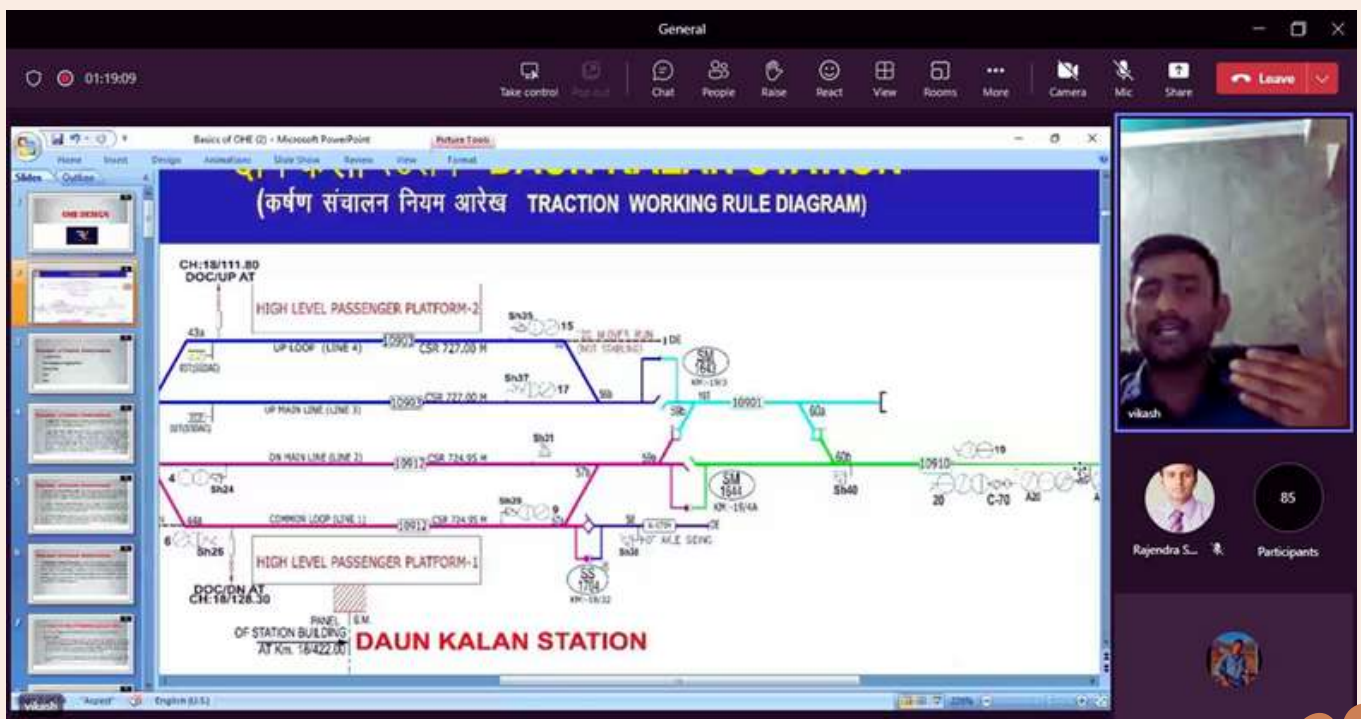
Glimpse of the event



Railway Electrification Design Seminar

This event was conducted to provide students with knowledge of electrical design and consequent responsibilities relevant to engineering practices. Railway electrification is a significant stride towards modernizing transportation systems and promoting sustainability.

Mr. Vikas Kumar and Mr. Nur Alam shared their experience with the students of electrical engineering at the Microsoft team meeting on 14th March 2023.





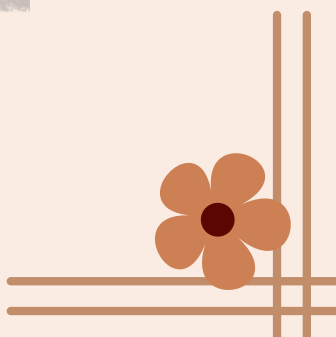
Poster Making Contest

"A picture paints a thousand words."

Domestic violence is a pressing issue that affects millions of women worldwide. The art that could inspire change and make a lasting impact! The contest provided a platform for the students passionate about women's rights to use their creativity to convey powerful messages. The event's theme encouraged participants to address the intersection of crucial topics in their artwork.

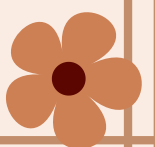
The event was held on 4th March 2023 in AX-205 where the participants showed their freestyle art to portray their thoughts enthusiastically.

The arts were praised by Mrs. Roopa Shetty who was a judge for this competition. After careful deliberation, the judges selected the top three posters that best encapsulated the theme of the contest.



Poster Making Contest

Glimpse of the event



Editor's Pick



As I sit down to pen this editor's note, a wave of excitement and gratitude washes over me. Our latest issue marks a significant milestone in the journey of our magazine—a journey that has been guided by a passion for diversity, creativity, and the power of storytelling

~Shubham Pawar



For any event there has to be the audience and the work of reaching out to the audience is done by editors, by utilizing the power that words hold to inform, inspire and engage with the fellow students. To embark successful journey, dwelling on your own roles isn't enough, coming out of your comfort zone and seizing every opportunity out there makes it fulfilling journey to behold. This was a platform and we were performing behind the scenes and I find myself content and fulfilled as we conclude our duties.

-Vidnya D. Gosavi

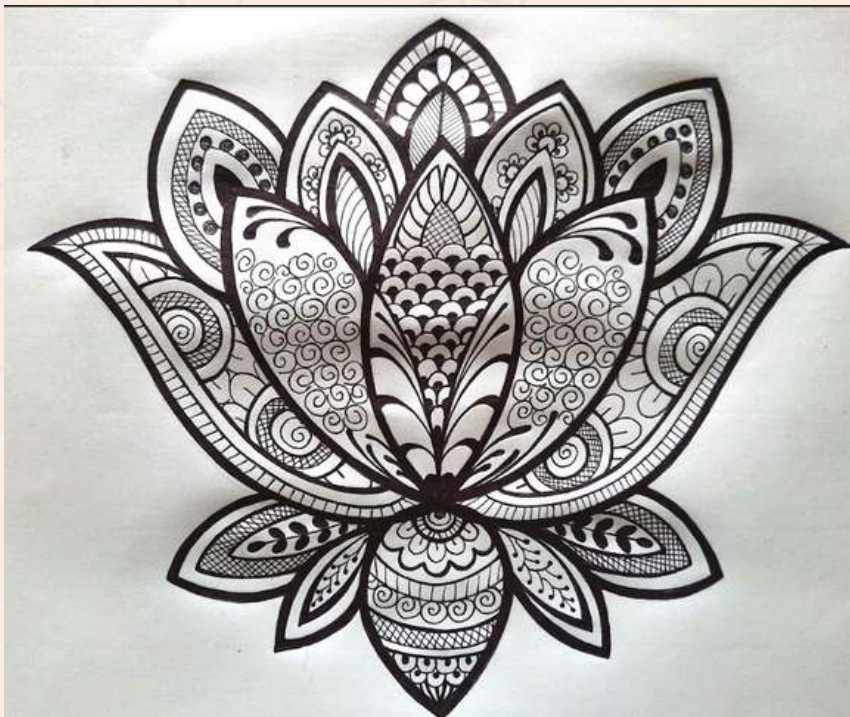


Life is like a magazine. We have the choice to display our experiences in form of different events and chapters. Various fonts and sizes, diverse colors and several styles like bold and Italic captivate our reader's heart while the words fabricated together capture their minds. I hope that every individual reading this note would use their creative and young days spreading positivity and happiness in the world.

-Sanskriti Hodawadekar

Student's Corner

**Saloni
Parab
~Sem 6**



**Trupti
Gajare
~ Sem - 6**

Student's Corner



**Sarthak
Verma
~Sem 4**

**Vaibhav
Chavan
~Sem 4**



Student's Corner

**Anish
Dethe
~Sem 6**



**Trupti
Gajare
~Sem 6**



Student's Corner



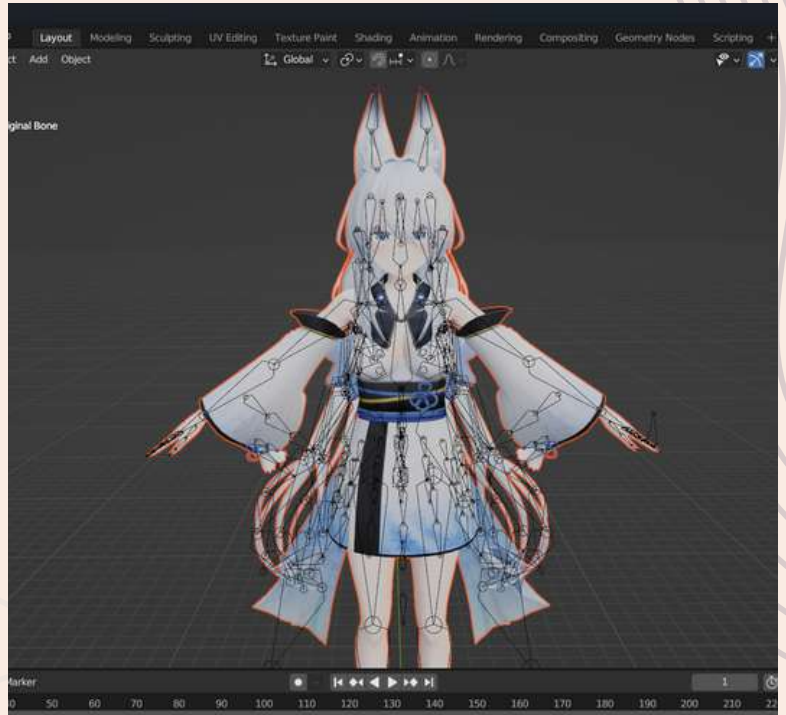
Vaibhav Chavan ~Sem 4



Saloni Parab ~Sem 6

Student's Corner

**Gaurang
Bhogle
~Sem 2**



**Akshaya
Balam
~Sem 2**

Student's Corner

WANDERLUST

I create memories everywhere I go
My mind is filled with rainbows
Heart lined with roses
And here the soul isn't deserted anymore

The more it rains
The prettier I get
Storm changes everything
And there's nothing left to regret

Regret brings pain
But I'm a kaleidoscope of shine
So every time I take a silly decision
I know it's worth the whine

I wish it's worth my time
Cause rhythm has a limit in my space
I draw endless patterns with my imagination
Chasing dreams through an never-ending maze

Mazes are built to get lost
Treasures hidden in discovering the truth
But I always find my way back
Even without a telephone booth

My youth is off the track sometimes
Roaming in barren lands and perilous seas
The snow isn't as tasteless as it seems
Here I'm always wild and free

Books should be free and limited
They remind me of home
My family and friends waiting
A door opened where my identity is known

The unknown shore is distant and dark
Reunion feels like an eternity of happiness
Here I'm ecstatic and sane
But what's life without a little bit of sappiness

~Sanskruti Hodawadekar



Student's Corner

RAIN

Soon to shine, as sun rays so pure
Bright and rosy, When it dawned upon you
You held your hands, to shield your eyes
But they shined even brighter, Who's to deny?
The sky was cloudy, Dark, and dusty
My mind was akin, As I stare at your smile
August morning, You stood firm and high
Where's your umbrella, it's gonna rain in five
Something fell from up, right on my cheeks
As scarlet as they were, I could only imagine
You appeared to be a deity and a feeling I've longed for
To full fill all my wishes, Maybe God sent you down
Possibly I felt, Strange in my chest
Was it an heart attack? Or the butterflies swirling around
I walked and halt, When the shower starts
You waited under shelter, To get help so far
My umbrella was calling, It never felt so empty
We two could fit in, And make it upto ally
Cornered with wet walls, I felt your hand on my shoulder
I was short and you crouched, what a whimsical situation
You held a smile, On which a sonnet could be made
Silly eyes won't take off, They're hooked to your grace
A surge of chill went down my spine
When our hands grazed, My heart upheaveled
It's been whole week, We've been through greys
Why did my heart betrays me, Whenever you came
I wonder why's the sky dusky, There's no hint of light
Yet I could see a beaming shine, dwelling on your old, grey eyes
It dawns upon me, that it's truly strange
I find you enchanting and, I fell for you like rain

~ Vidnya Gosavi





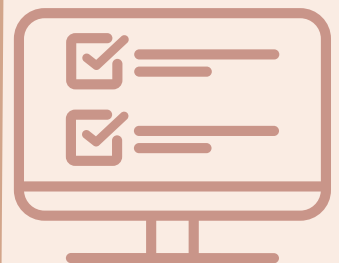
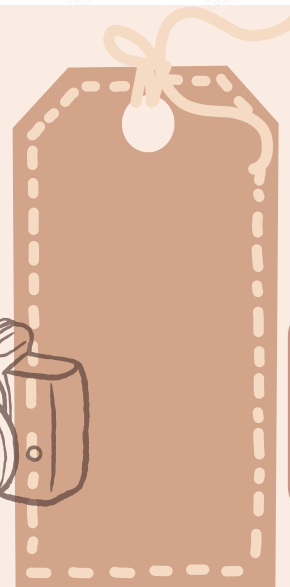
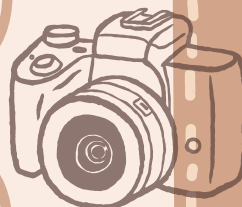
BATCH 2022-23



Fr. C. Rodrigues Institute of Technology

Sector 9A, Vashi, Navi Mumbai

26th Batch of BE Electrical Engineering, 2023



Placement Cell

SR. NO.	NAME OF THE STUDENT	ROLL NO.	BRANCH	YEAR OF PASSING	ON/OFF CAMPUS	NAME OF THE EMPLOYER
1	ANAND UNNIKRISHNAN	4019101	Electrical	2023	ON	SELEC CONTROL www.selec.com
	ANAND UNNIKRISHNAN	4019101	Electrical	2023	ON	TCS NINJA www.tcs.com
2	ANTO SEN	4019102	Electrical	2023	ON	TCS NINJA
	ANTO SEN	4019102	Electrical	2023	ON	PRIMETALS
3	ASTITVA ANANT	4019103	Electrical	2023	ON	COGNIZANT
4	BERDE SMIT SITARAM	4019104	Electrical	2023	ON	TORRENT POWER www.torrentpower.com
	BERDE SMIT SITARAM	4019104	Electrical	2023	ON	PRIMETALS www.primetals.com
5	CHAUDHARI AKASH PRAKASH	4019106	Electrical	2023	ON	BURNS MCD www.burnsmcd.com
6	GUPTA RITIK KUMAR RAMASHANKAR	4019111	Electrical	2023	ON	TORRENT POWER www.torrentpower.com
7	INGALE HARSHAL NITIN	4019112	Electrical	2023	ON	ACCENTURE www.accenture.com
8	JADHAV AYUSH VISHWAS	4019113	Electrical	2023	ON	MUKAND www.mukand.com
9	KADAM SANKET SHAMRAO	4019116	Electrical	2023	ON	TCS NINJA www.tcs.com
	KADAM SANKET SHAMRAO	4019116	Electrical	2023	ON	Tata Power www.tatapower.com
10	KAMBLE SURAJ BABAN	4019118	Electrical	2023	ON	SARMAN ENGINEERING www.sarmanengineering.com
11	KANNAUJIYA VIVEK RAJESH	4019119	Electrical	2023	ON	TORRENT POWER www.torrentpower.com
12	KUCHEKAR SUSHANT SANJAY	4019120	Electrical	2023	ON	TCS NINJA www.tcs.com
13	KULKARNI ARCHIT AJIT	4019121	Electrical	2023	OFF	POWERIMST ELECTROMAGNETS
14	LAHANE SONALI KAILAS	4019122	Electrical	2023	ON	ACCENTURE www.accenture.com
	LAHANE SONALI KAILAS	4019122	Electrical	2023	ON	TORRENT POWER www.torrentpower.com
	LAHANE SONALI KAILAS	4019122	Electrical	2023	ON	TCS NINJA www.tcs.com
15	MAHARAO NAGESH SHIVARAM	4019124	Electrical	2023	ON	TORRENT POWER www.torrentpower.com

Placement Cell

SR. NO.	NAME OF THE STUDENT	ROLL NO.	BRANCH	YEAR OF PASSING	ON/OFF CAMPUS	NAME OF THE EMPLOYER
16	MALIK ANUSH KRISHAN KUMAR	4019125	Electrical	2023	ON	TCS NINJA www.tcs.com
	MALIK ANUSH KRISHAN KUMAR	4019125	Electrical	2023	ON	TECHNIMONT www.tecnimont.it/en
17	MAURYA RITESH INDRESH	4019126	Electrical	2023	ON	BURNS MCD www.burnsmcd.com
18	MAYEKAR SHRUTI SHRIKANT	4019127	Electrical	2023	ON	TCS NINJA www.tcs.com
19	MHATRE RISHABH RAJAN	4019128	Electrical	2023	ON	GODREJ & BOYCE www.godrej.com
20	NAIR SRUTHI VENU	4019129	Electrical	2023	ON	BLUESTAR www.bluestarindia.com
21	PANCHAL PAWAN NIVRUTTI	4019131	Electrical	2023	ON	R.K. FOODLAND www.rkfoodland.com
22	PANDIT SHELAR TEJAS	4019132	Electrical	2023	ON	TCS NINJA www.tcs.com
	PANDIT SHELAR TEJAS	4019132	Electrical	2023	ON	MUKAND www.mukand.com
23	PASALKAR ATHARVA SANTOSH	4019133	Electrical	2023	ON	SELEC CONTROL www.selec.com
	PASALKAR ATHARVA SANTOSH	4019133	Electrical	2023	ON	TCS NINJA www.tcs.com
24	PATIL KOMAL DEVANAND	4019134	Electrical	2023	ON	TECHINT
25	PATIL PIYUSH RAJARAM	4019135	Electrical	2023	ON	BURNS MCD www.burnsmcd.com
26	PATIL SHRUTI HARISHCHANDRA	4019136	Electrical	2023	ON	TCS NINJA www.tcs.com
	PATIL SHRUTI HARISHCHANDRA	4019136	Electrical	2023	ON	DPCL www.dcpl.net.in
27	PHAPALE VIRAJ VIKAS	4019139	Electrical	2023	ON	TCS NINJA www.tcs.com
28	PIYUSH KUMAR	4019140	Electrical	2023	ON	TCS NINJA www.tcs.com
29	PRADHAN KEDAR VIRENDRA	4019141	Electrical	2023	ON	SELEC CONTROL www.selec.com

Placement Cell

SR. NO.	NAME OF THE STUDENT	ROLL NO.	BRANCH	YEAR OF PASSING	ON/OFF CAMPUS	NAME OF THE EMPLOYER
	PRADHAN KEDAR VIRENDRA	4019141	Electrical	2023	ON	TCS NINJA www.tcs.com
	PRADHAN KEDAR VIRENDRA	4019141	Electrical	2023	ON	MUKAND www.mukand.com
30	RAJPUT VRUKSHAL	4019142	Electrical	2023	ON	TCS NINJA www.tcs.com
	RAJPUT VRUKSHAL	4019142	Electrical	2023	ON	BLUESTAR www.bluestarindia.com
31	RANGARI GAURAV JAYWANT	4019143	Electrical	2023	ON	GODREJ & BOYCE www.godrej.com
32	SHARMA SHIVANI	4019145	Electrical	2023	OFF	SELEC CONTROL www.selec.com
33	SINGH VIDHANSH	4019147	Electrical	2023	ON	DPCL www.dcpl.net.in
34	SURVASE HARSH DHANRAJ	4019148	Electrical	2023	ON	SELEC CONTROL www.selec.com
	SURVASE HARSH DHANRAJ	4019148	Electrical	2023	ON	TCS NINJA www.tcs.com
	SURVASE HARSH DHANRAJ	4019148	Electrical	2023	ON	MUKAND www.mukand.com
35	TAJANE VEDANT SUDHIR	4019149	Electrical	2023	ON	GODREJ & BOYCE www.godrej.com
36	TANPATHAK SOHAM KISHOR	4019150	Electrical	2023	ON	TCS NINJA www.tcs.com
37	TONAPI PRANAV GURURAJ	4019151	Electrical	2023	ON	SELEC CONTROL www.selec.com
	TONAPI PRANAV GURURAJ	4019151	Electrical	2023	ON	GODREJ & BOYCE www.godrej.com
38	WANI HRITHIK	4019153	Electrical	2023	ON	TCS NINJA www.tcs.com
39	YADAV NIVEDITA N	4019154	Electrical	2023	ON	LTI, www.ltimindtree.com
	YADAV NIVEDITA N	4019154	Electrical	2023	ON	TCS NINJA www.tcs.com
40	MUJAHID MOHAMMED UMAIR	4019156	Electrical	2023	ON	SELEC CONTROL www.selec.com
	MUJAHID MOHAMMED UMAIR	4019156	Electrical	2023	ON	GODREJ & BOYCE www.godrej.com
41	ZAGADE SAHIL BAPU	4019157	Electrical	2023	ON	SELEC CONTROL www.selec.com
	ZAGADE SAHIL BAPU	4019157	Electrical	2023	ON	TATA POWER www.tatapower.com

Placement Cell

SR. NO.	NAME OF THE STUDENT	ROLL NO.	BRANCH	YEAR OF PASSING	ON/OFF CAMPUS	NAME OF THE EMPLOYER
42	KAUSHAL ARADHANA MUKUNDILAL	4019158	Electrical	2023	ON	BURNS MCD www.burnsmcd.com
43	SURYAWANSHI VAISHNAVI JAGDISH	4019159	Electrical	2023	ON	TECHNIP www.technipfmc.com
	SURYAWANSHI VAISHNAVI JAGDISH	4019159	Electrical	2023	ON	TCS NINJA www.tcs.com
44	VYAS DIVYA PRASHANT	4019160	Electrical	2023	ON	BURNS MCD www.burnsmcd.com
45	MISHRA HARSHAL RAKESH	4019161	Electrical	2023	ON	SELEC CONTROL www.selec.com
	MISHRA HARSHAL RAKESH	4019161	Electrical	2023	ON	GODREJ & BOYCE
46	SURVE ANUSHKA ANIL	4019162	Electrical	2023	ON	TECHNIP www.technipfmc.com
	SURVE ANUSHKA ANIL	4019162	Electrical	2023	ON	TCS NINJA www.tcs.com
47	CHAVAN POOJA RAMDAS	4019163	Electrical	2023	ON	TECHNIP www.technipfmc.com
	CHAVAN POOJA RAMDAS	4019163	Electrical	2023	ON	TCS NINJA www.tcs.com
48	GHADGE SAKSHI SUNIL	4019164	Electrical	2023	ON	SARMAN ENGINEERING www.sarmanengineering.com
49	KARTIKRAJ EASWARAN	4019165	Electrical	2023	ON	PRIMETALS www.primetals.com
50	WADKAR GAURI RAMESH	4019166	Electrical	2023	ON	DPCL www.dcpl.net.in
51	TEJAS PARSHURAM KUBAL	4019168	Electrical	2023	ON	SARMAN ENGINEERING www.sarmanengineering.com
52	MAHAJAN HITESH VIDYADHAR	4019169	Electrical	2023	ON	BURNS MCD www.burnsmcd.com
53	PANDEY ABHISHEK VIJAY	4019170	Electrical	2023	ON	TCS NINJA www.tcs.com
	PANDEY ABHISHEK VIJAY	4019170	Electrical	2023	ON	Tata Power www.tatapower.com
54	JAITPAL PRATHAMESH CHANDRADEEP	4019171	Electrical	2023	ON	ACCENTURE www.accenture.com

Industrial Visit



Schneider electric
India pvt ltd., Mahape



M.S.E.D.C.L. ,Kalyan

FH2023

SR. NO.	NAME AND ADDRESS OF THE COMPANY	YEAR	DATE OF VISIT
1	SHRIHANS ELECTRICALS PVT. LTD, TALOJA MIDC, NAVI MUMBAI	SE	8-2-2023
2	VJTI, MUMBAI	TE	18-4-2023
3	SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED, MAHAPE, NAVI MUMBAI	TE	6-4-2023
4	DOL MOTORS, RABALE, NAVI MUMBAI	BE	8-2-2023

SH2022

SR. NO.	NAME AND ADDRESS OF THE COMPANY	YEAR	DATE OF VISIT
1	MSEDCL, KALYAN	SE	6-8-2022
2	SAINI HEAVY ELECTRICAL AND ENGINEERING CO PVT. LTD	TE	6-10-2022
3	TATA POWER COMPANY LIMITED KALYAN	BE	6-8-2022

EESA Convener



I take this opportunity to appreciate and thank all the EESA committee members for their continuous efforts in making each event under EESA a success. It has been a great experience with you all throughout one-year term of the committee. I hope you all might have also enjoyed being a part of EESA and identified your strengths to work in a team. I am also sure that this one-year term might have brought major changes in you in terms of taking initiative, organizing events, and it also might have built many good qualities in you that might help you grow progressively in your professional career.

Thank You

-Mr. Rajendra Soni
CONVENOR
ELECTRICAL DEPARTMENT

FEESA Committee Members

CHAIRPERSON



Anand Kashid

SECRETARY



Anubhav
Panda

ASST. SECRETARY



Saloni
Parab

TREASURER



Abhishek
Nambiar

EDITOR



Vidnya
Gosavi

EDITOR



Shubham
Pawar

EDITOR



Sanskruti
Hodawadekar

EEISA Committee Members

PROGRAM CO-ORDINATORS



**Chetan
Umbarkar**



**Shruti
Chakrobty**



**Vinayak
Bhujwadkar**



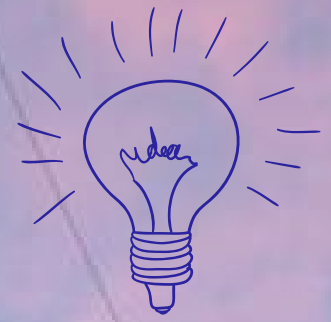
**Mohit
Rajput**



**Himanshu
Patil**



**Ganesh
Maske**



Thank you!



*Ere long intelligence-transmitted
without wires will throb through the
earth like a pulse through a living
organism. The wonder is that, with the
present state of knowledge and the
experiences gained, no attempt is being
made to disturb the electrostatic or
magnetic condition of the earth, and
transmit, if nothing else, intelligence.*

- Nikola Tesla

IEEE FCRIIT SB

Presents



2023

REMINISCE

REVIVING ENGINEERING'S
MEMORABLE INITIATIVES,
NURTURING SOCIAL CHANGE, AND
EMPOWERING COMMUNITIES

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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.

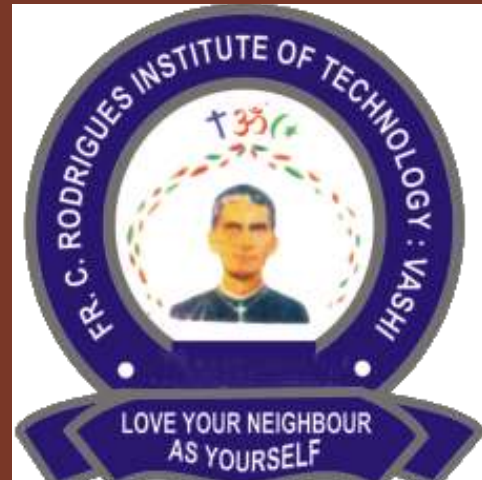
The college prides itself on being one of the few that has accreditation for all five branches. Though its reputation rests mainly on the high quality, value-based technical education that it imparts, it has to its credit a verdant, well-maintained Campus and extensive facilities. It has also made its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

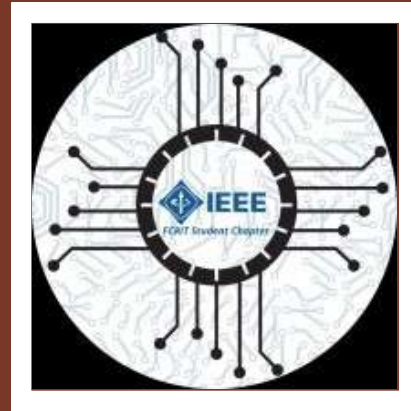


MISSION:

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

ABOUT IEEE FCRIT

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 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 holistic development of students and shall continue to work in the same way. Learning that takes place outside the four walls of the classroom have a wide range of benefits for the student community 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 2022-2023. I take this opportunity to congratulate all the passionate members of the 2022-2023 committee for their whole hearted support and cooperation in successfully conducting numerous events throughout the year. These events include seminars in several topics, competitions, workshop to promote STEM education in schools, solar lamp distribution in remote villages of Thane district and donation drive for an orphanage. I am extremely thankful to IEEE Bombay section and Crompton Greaves CSR foundation for sponsoring the conduction of STEM education in schools and solar lamp distribution respectively.

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 for the support and guidance provided for conducting these activities. I thank and wish all the student members 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

Hello to all readers!

IEEE is an international organisation which I believe plays an important role in the professional lives of all engineers and future engineers. It provides fantastic networking opportunities and immensely fruitful educational incentives. It also supports collaborations at a global level.

The IEEE FCRIT Student Branch has always made an attempt to make these same facilities available to all the students.

Being the chairperson, it was an eye opening experience for me as I had the opportunity to interact with some of the most brilliant minds from all walks of life. When it came to being a leader, I did my best to foster an environment of camaraderie and appreciation. This is evident as the success of our events is nothing but a culmination of each and everyone's hard work and efforts. The events conducted this year were not exclusively technical but also included some catering to professional development and philanthropy. One of my favourites was STEM EDUCATION wherein we got to help young students explore the world of electrical and electronics field. We were able to ignite their interest and hoped to open their mindset to infinite possibilities. I want to extend my heartfelt gratitude to IEEE Bombay Section for sponsoring this wonderful workshop year after year.

I thank each and everyone of you for contributions, wishes and guidance.

I want to extend special thanks to Dr. Mini Rajeev – Branch Counselor of IEEE FCRIT SB, Dr. Bindu S. – HOD, Electrical Dept, and Dr. S.M. Khot, Principal – FCRIT, Vashi for support and guidance when we were conducting these events. And as the chairperson, I am proud of the legacy we are leaving behind and only hope that it grows exponentially. Being a part of IEEE FCRIT has played a very important role in my life as it has helped me hone my leadership, communication, and interpersonal skills. In today's competitive and fast paced era, everyone needs these skills and there is no better way to develop these than being a part of such a wonderful organisation. I will always be grateful to IEEE for their constant motivation.



**Aryav Shrivastava,
Chairperson, IEEE FCRIT.**

EDITOR'S NOTE

Hello, readers.

It is with great pleasure that we present to you the most latest edition of "REMINISCE". We've had the honor of presenting a number of events that perfectly capture our dedication to growth in the spirit of "Reviving Engineering's Memorable Initiatives, Nurturing Social Change, and Empowering."

We have worked to grow knowledge and brighten futures, whether it is by promoting STEM education or by distributing solar lamps to brighten lives. Our resume-building workshop aimed to prepare our students for the working world, while the donation drive represented our group's compassion and generosity. The overwhelming success of the technical quiz at our college festival reflected the growing intellect of our campus and demonstrated the passion for learning that distinguishes us. Throughout it all, we've hosted a number of seminars that promoted dialogue, expanded opportunities, and promoted critical thinking.

We hope that when you read through the magazine's pages, you will be reminded of the extraordinary work that our staff and students have put into it. Each piece of writing, image, and narrative serves as a monument to the strength of initiative, teamwork, and the pursuit of positive change.

We appreciate your participation in this celebration and look forward to all the possibilities the future holds.

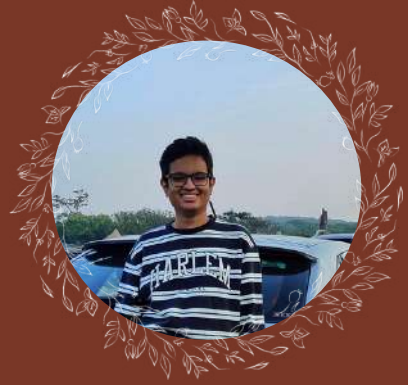


2022-23

Council Members

I'm immensely proud to have lead a dynamic team of enthusiasts whose relentless passion and hard work have propelled us to new heights. Together, we've scripted a chapter of innovation and excellence, leaving a lasting legacy.

Arayav Shrivastav
Chairperson



I had the wonderful opportunity to interact with and work with a variety of people, as well as organize events, which helped me grow holistically.

Daffril Cleetus
Vice-Chairperson

My role as Secretary has allowed me to contribute actively to the growth of IEEE's student chapter. It has been both challenging and rewarding, driving me to excel in my responsibilities.

Saumya Mary Siluvai Dason
Secretary



Being a member of this incredible team was a great learning opportunity which strengthened my interpersonal skills.



Loortu Infenda
Treasurer

2022-23

Executive Committee



Malavika Preet
Program Head



Brett Pinto
Deputy Program Head



Saurabh Kaduskar
Finance Head



Mohit Rajitsigh
Deputy Finance Head



Sakshi Kampli
Publicity Head



Sarveshaa Swar
Deputy Publicity Head



Tacita Thomas
Membership Head



Tejas Patil
Deputy Membership Head

2022-23

Committee Members

Sub. Core Committee



Program Committee



Membership Committee



2022-23

Committee Members

Technical Committee



Publicity Committee



Finance Committee



TECHNICAL EVENTS

IEEE-MEMBERSHIP DRIVE

The "IEEE-Membership Drive" event held at FCRIT on 14th January 2023 had a clear objective of highlighting the importance of IEEE membership in students' careers and encouraging them to join at discounted fees. The event successfully achieved its goal, as Mr. Biju Balakrishnan and Ms. Aditi Kulkarni delivered informative presentations on the history and benefits of IEEE membership, emphasizing its significance from a future perspective.

The students were enlightened about the advantages of being an IEEE member, and Ms. Kulkarni's personal journey evoked an emotional connection, inspiring them to consider IEEE as an integral aspect of their career growth. The event's interactive nature, including the question-and-answer session, ensured that all queries were addressed, leaving the attendees well-informed and empowered to make informed decisions.



The "IEEE-Membership Drive" at FCRIT was a resounding success, achieving its objectives of enlightening students about the importance of IEEE membership in their careers and offering them the opportunity to join at discounted fees. Through insightful presentations and personal anecdotes, the event sparked an emotional connect and motivated students to consider IEEE as a valuable platform for their future endeavors.

The event was helpful for the students and was considered informative. The event was well-received, prompting them to anticipate future events.

RESUME BUILDING SEMINAR

The "Resume Building Seminar," held on 24th March 2023 at FCRIT, had the primary objective of guiding students in creating the perfect resume for their dream job. Mr. Mangesh Bhanage, the guest speaker, delivered an informative speech, emphasizing the importance of an impressive resume and providing valuable insights on tailoring it to meet employers' expectations. The seminar offered students practical knowledge on crafting winning resumes while also giving them the opportunity to receive feedback on their current ones.

The interactive question-and-answer session facilitated a deeper understanding of resume writing and the specific requirements of employers in their field.

IEEE FCRIT Student Chapter, Presents
Seminar on 'Resume Building'

Take your resume to new heights

Write a winning resume

Our Speaker
Mr. Mangesh Bhanage
Director of HRRDC

Benefits:-

- Learn how to write a professional resume
- Understand what employers in your field are looking for in a resume, so you can tailor your resume to their needs.
- Get the opportunity to receive feedback on your current resume.
- Learn how to customize your resumes to match the job requirements.
- Learn how a cover letter affects your chances of getting or not getting an interview

DATE : 24th March, 2023

TIME : 3:30 - 4:30

VENUE: AX - 116 (first floor seminar hall, annexe building)

For More Information:-
Sakshi Kampli - 9310787715
Malavika preeth - 9920254945



The "Resume Building Seminar" at FCRIT left a positive impact on the participants. Mr. Mahesh insightful presentation made students realize the significance of a clear, brief, and impactful resume, and they gained valuable knowledge about writing a professional resume and avoiding common mistakes. The seminar's inclusive nature allowed students to actively engage in the learning process through the interactive Q&A session. With the newfound understanding of what employers seek in resumes, students are better prepared to pursue their desired career paths with confidence and competence. The event concluded on a high note of appreciation as Mr. Mangesh was honored with a memento, and Ms. Angela extended gratitude through a vote of thanks, marking the successful completion of the seminar.

TECHNICAL QUIZ

The IEEE Council of FR. C. Rodrigues Institute of Technology organized an exciting Technical Quiz as part of the Etamax Fest on 16th March 2023. The quiz aimed to engage students from all branches of engineering through multiple-choice questions, promoting healthy competition and fostering a spirit of learning.

The response was overwhelming, showcasing the participants' eagerness to enhance their technical knowledge. Winners and runners-up were rewarded with attractive prizes, certificates, and tokens of appreciation, making the event a memorable and inspiring experience for all involved.



Technical Quiz
BY IEEE, FCRIT

PRIZE: 1ST 500 RS,
2ND 300 RS

📅 - 16TH MARCH
🕒 - 11:00 TO 12:30
📍 - AX-207

REGISTRATION FEE: 50 RS

RULES:-

- FIRST ROUND WILL CONSIST OF 30 QUESTIONS WITH THE TIME LIMIT OF 30 MINS.
- TOP 15 SCORERS WILL MOVE ON TO THE FINAL ROUND.
- THE FINAL ROUND WILL BE CONSISTING OF 15 QUESTIONS WITH THE TIME LIMIT OF 20 MINS.
- IN CASE OF A TIE, THE PARTICIPANT THAT SOLVES THE QUESTION FASTER WILL BE SELECTED.

SHOWCASE YOUR KNOWLEDGE AND GET A CHANCE TO WIN CASH PRIZES



The Technical Quiz held during the Etamax Fest was a major highlight of the annual extravaganza. It successfully attracted students from diverse engineering backgrounds, encouraging them to showcase their expertise in various technical disciplines. The quiz's competitive yet enjoyable format and the recognition given to the participants further fueled their thirst for knowledge and learning beyond the classroom. The event's impact is expected to leave a lasting impression, inspiring future endeavors of a similar nature.

CULTURAL EVENTS

MUSI-MATICS

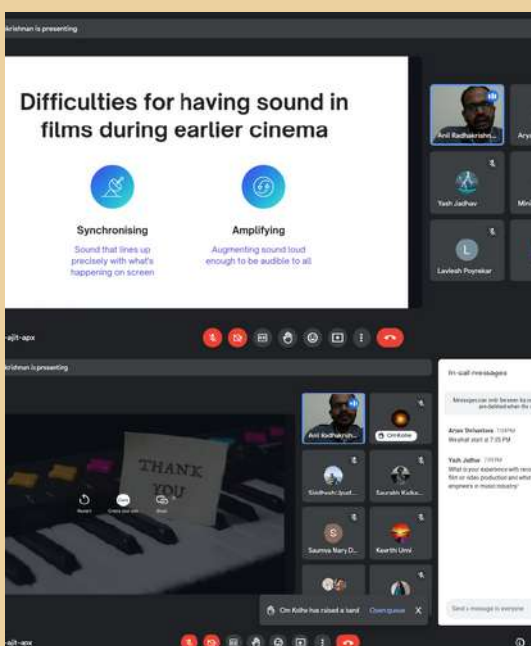
The event "Musi-matics" was organized on 14th October 2022 at 11:00 am IST. IEEE FCRIT Student Coordinator Mr. Aryav extended warm welcome to all students and staff attending the event. The event began by Ms. Malavika playing the 'Sarasvati Vandana' to express gratitude to Goddess Sarasvati. Further, Mr. Brett introduced the speaker of the event - Ms. Keerthi Unni. The event commenced, with the speaker Ms. Keerthi Unni introducing the students with the history of music.



The event was conducted for the students of FCRIT. The speaker, Ms. Keerthi Unni gave an informative and insightful view about music and its benefits in our life. The students were made aware about how music becomes a therapy in this stressful life. The science behind music was also explained beautifully. The speaker culminated the event with a melodious rendition of a song. The event was concluded with a vote of thanks by Ms. Angela. The event was helpful for the students and considered informative. The event was well-received, prompting them to anticipate future events.

SYNC SOUND

The event “Sync Sound” was organized on 17th February 2023. Mr. Yash extended a warm welcome to all the students and staff attending the event. Furthermore, Mr. Yash introduced the speaker of the event – Mr. Anil Radhakrishnan. The entertainment field demands more technology to enhance the overall effectiveness of the performance. Our speaker, Mr. Anil Radhakrishnan shared his 15 years of experience of live sound recording in some of the popular movies like Uda Punjab, Sonchiriyaa, The Gandhi Murder, etc. he started with the basics of sync sound equipment then gradually moving to the sound post production process containing dialogue editing, foley effects recording, patch dubbing and premixing and final mixing. He explained the advantages as well as difficulties of sync sound in a simple manner.



At last, there was a QnA (Question answer) session where many students and staff asked questions to sir, and sir answered them all with great enthusiasm. The event was concluded with a vote of thanks by Ms. Angela. The speaker, Mr. Anil Radhakrishnan gave an informative and insightful view about live sync sound in movies. The overall interaction of our speaker and the students as well as the staff was great. Sir highlighted the importance of different sound effects and its impact on the big screen.

PELS DAY

The objective of this webinar is to raise awareness of ethical dilemmas and their impact on personal and professional lives. The event also explored the meaning of life and success, emphasizing the role of ethics in achieving these goals. By the end of the event, students had a deeper understanding of the connection between ethics, meaning, and success: The PELS Day Event was a valuable learning experience for the students. They were encouraged to think critically about ethical issues, and they were able to ask questions and share their own thoughts and experiences. Ms. Angela then introduced the guest speaker, Mr. Arnab Roy, a former student of the institute and a manager at Capgemini India.



Mr. Roy began his talk by discussing the need for self-awareness and mindfulness, and he shared some tips on how to improve one's mental well-being. He explained how our perspectives change as we grow and mature, and he stressed the importance of considering different perspectives when making decisions. He also talked about the importance of ethics in engineering, and he encouraged the students to think critically about ethical issues.

The event concluded with a question-and-answer session, during which the students had the opportunity to ask Mr. Roy questions about his talk. Mr. Shreyash then gave a vote of thanks, and the event was adjourned.

SOCIAL EVENTS

STEM EDUCATION

The event "STEM Education" held at Fr. Agnel School on 18th August 2022 and at Sacred Heart School on 16th September 2022 proved to be a resounding success in achieving its objectives. By revealing the fundamentals of basic electrical circuit components and showcasing intriguing mini-projects, the event effectively piqued the curiosity and interest of school students in STEM subjects. The active involvement of IEEE council students as STEM professionals added value to the learning experience, as they delivered informative presentations and demonstrated the practical applications of the projects.



The outcomes were highly positive, with students expressing their enjoyment and appreciation for the event's engaging learning atmosphere. The hands-on approach and interactive question-and-answer session enabled them to gain a comprehensive understanding of core STEM concepts, paving the way for further exploration in these fields. The collaboration between FCRIIT students and the school community showcased the potential of STEM education in enriching young minds and offering them access to innovative tools and opportunities. Overall, the event left a lasting impact on the participants, empowering them with newfound knowledge and igniting their passion for science and technology.

DONATION DRIVE

The IEEE FCRIT Donation Drive was held on July 27th, 2023 at the Children of the World (India) Trust in Nerul, Navi Mumbai, India at 2:30 pm. The donation drive was organized by the IEEE FCRIT Student Branch (SB) and promoted through social media, offline publicity, and word-of-mouth. The drive commenced two weeks prior to the donation day and accepted donations in cash and through UPI. Necessary items were purchased with the donations made by the students and staff of FCRIT (list mentioned below). The TKMCE Alumni Mumbai Chapter donated 24 umbrellas for this donation drive, which will help the children stay dry during the monsoon season.

The IEEE FCRIT members were briefed about the condition of the children and the help provided by various organizations that support Children of the World (India) Trust. The drive concluded with a tour of the facility, and the members learned about the children's daily lives and interacted with them.

The following items were donated:

- 24 Umbrellas
- 3 Kg Tur dal
- 3 Kg Poha
- 2 Packets of Diapers



The IEEE FCRIT Donation Drive was a success, and it had a positive impact on the lives of the children at Children of the World (India) Trust. The children received essential items such as umbrellas, diapers, and other necessities, which helped to improve their quality of life. The IEEE FCRIT members also had the opportunity to talk to the workers at the orphanage and learn more about the challenges that children in orphanages face. This knowledge will be invaluable to the members as they continue their work in the future. Overall, the IEEE FCRIT Donation Drive was a positive experience for everyone involved.



SOLAR LAMP DISTRIBUTION

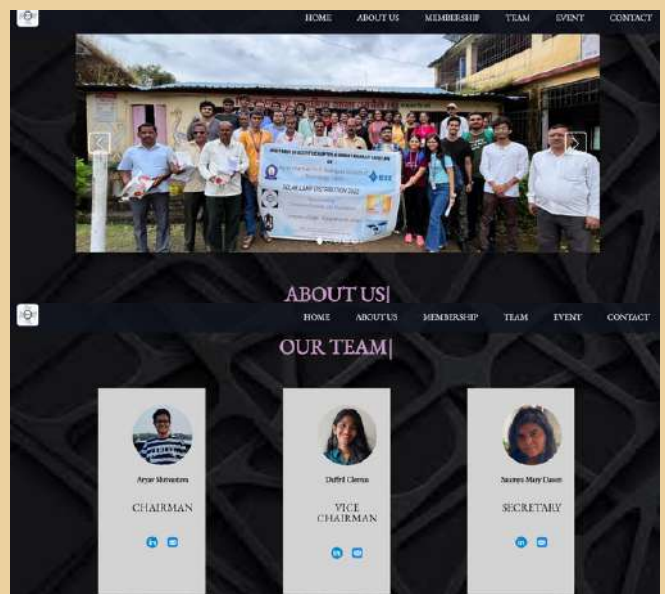


A distribution drive titled “Solar Lamp Distribution 2022” was conducted by IEEE–FCRIT Students Chapter & Unnat Bharat Abhiyan of Fr. C. Rodrigues Institute of Technology. It was sponsored by Crompton Greaves CSR Foundation. This event took place on 8th October, 2022 and covered the villages – Ambele and Kalamkhande of Murbad town in Maharashtra. The members of these villages, mainly the poorer ones, were facing numerous issues such as electricity shortage which caused them a lot of problems especially during night time. Hence, along with the support of Crompton Greaves CSR Foundation, the team decided to distribute solar powered lamps to the needy members of the village which would benefit them in a lot of ways. These lamps can be charged with the help of a solar panel when kept in sunlight and then provide light for a long duration of time. On 8th October, the team again visited the village for the distribution of the said solar lamps. This was done to make a small yet significant contribution in making people’s lives better and to relieve them of their difficulties a little.



IEEE WEBSITE

During my time at the IEEE FCRIT, I had the opportunity to be a part of the technical team in building a dynamic and user-friendly website for our local chapter. The process involved extensive collaboration with various technical and non-technical stakeholders to understand their specific needs and requirements. We utilized modern web development technologies, including CSS, JavaScript, React and backend frameworks to create a seamless browsing experience.



Additionally, we integrated event management systems, membership databases, and a resource hub to enhance the website's functionality. Regular feedback sessions and iterative development allowed us to continuously refine and improve the website, ensuring it effectively served the IEEE community and promoted engagement among members and visitors alike. The experience not only honed my technical skills but also highlighted the importance of effective communication and teamwork in successful web development projects.

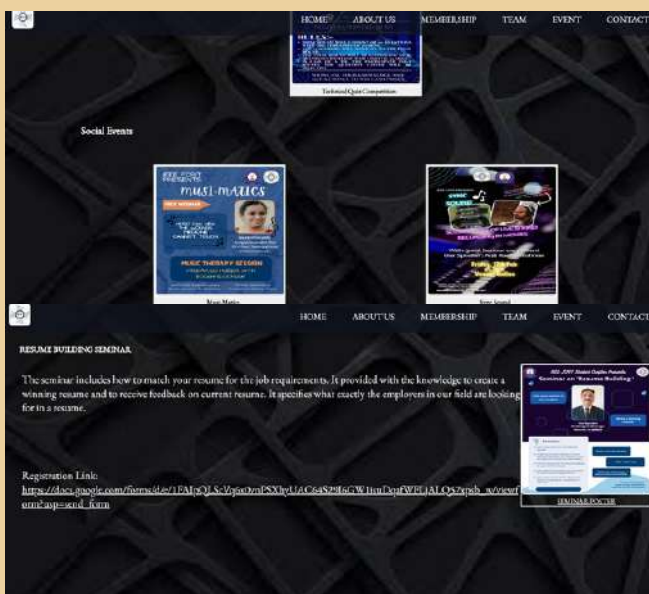


PHOTO GALLERY



STUDENTS CORNER

OUR TALENTED POETS

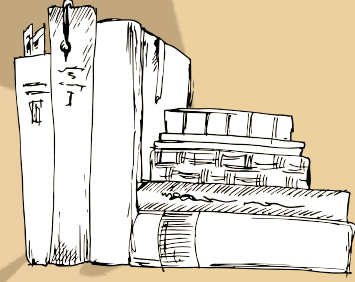
रस्त्यात गुलाबाच फुल दिसल बघताच तुझी आठवण
झाली कोमल नाजूक रूप त्याच जणू तुझी जागा त्यानेच
घ्यावी!

सुंदर सुवासिक इवलस ते तुझी झलक त्यात दिसावी
तुटलेल लहानस खोड त्याच पण मान ताठ तुझ्यासारखी!

लहान गोंडसच अगदी ते मुलायम सुद्धा तुझ्याच सारखे
काटे टोचत होते खरे शब्द जसे तुझेच होते!

कोमेजलेली पाकळी त्याची गंध तिचा जात नाही
आयुष्यातून गेलीस तू आठवण तुझी सरत नाही!

-Surabhi Bharat Songirkar
Electrical Sem 5



Let me reach the sun and look it with naked
eyes,
changing its course over time, reaching
infinite,
where deep in the ocean if the ray passes,
I'm reminded to them, I'm Infinite.

If there are days went black and blue,
if there are phases that lack hue,
a coffee, an ebook, and a random hey on a
perfect cue,
it might seem a little dreamy, but it's all true.

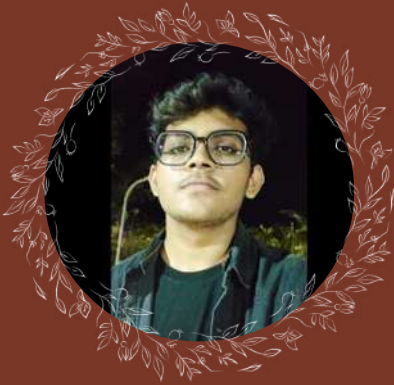
Soak in the view of tiring eyes,
under cover of myraid, in sheets, over narrow
skies,
one of which maybe true,
but rest of all, they are lies.

-Sweekrati Giri
IT Sem 7

2022-23

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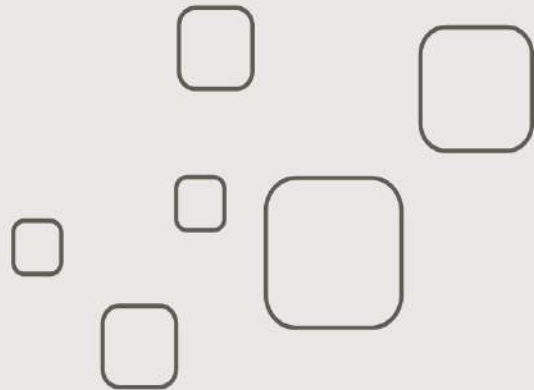
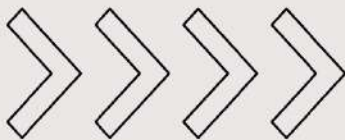
Gautami Bendale
Editor

*Thank
You*
-IEEE FCRI



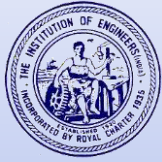
IEI NEWS LETTER RESTROSPECT

*IEI STUDENTS CHAPTER
ELECTRICAL*



2022-2023





The Institution of Engineer's (India)



Student's Chapter (Electrical)

Fr. Conceicao Rodrigues Institute of Technology

Agnel Technical Education Complex

Vashi

IEI NEWS LETTER RETROSPECT 2022-23

The Institute of Engineers (India) Students' Chapter is an organisation with a long history that promotes innovation, academic excellence, and professional development while empowering aspiring engineers. It coordinates technical symposiums, workshops, seminars, and industrial partnerships with a focus on hands-on learning and practical applications. The chapter is still dedicated to educating the next generation of engineers and ensuring that their contributions to engineering have a positive impact on society.

About Institute

Fr.C.R.I.T. has quickly established itself as one of Mumbai University's top engineering colleges. Although its reputation is mostly built on the excellent, value-oriented technical education it provides, it also boasts a lush, well-kept campus and a wide range of facilities to its credit. Its secular nature is furthered by its proximity to numerous religious denominations' sacred sites.



FCRIT, Vashi Campus

credentials and its "Vasudha Iva Kodambakkam" ideology. With file number Western/110975255125/2022/EOA, the college takes pleasure in being one of the few that has accreditation for all five branches. Dated 02.06.2022, NBA.

The department's

One of the earliest engineering disciplines, electricity has been a focus of scientific inquiry at least since the 17th century. By teaching students how to efficiently design, analyse, execute, and run electrical and electronic systems, new challenges are made available to them. The students are taught in-depth information on machines, power systems, control systems, signal processing, drives, power electronics, microprocessors, and switched mode power supplies in this area. We have highly qualified, seasoned, and committed employees in the department to impart this. Additionally, students have access to well-equipped labs like the Renewable Energy Lab and the Project Lab to help them develop their practical knowledge and polish their minds.

The department's goals are as follows:

Department Vision:

The department's vision is to become a cutting-edge hub for contemporary technical education in the field of electrical engineering, producing individuals who can support themselves.

Departmental Goals:

- To offer cutting-edge technical instruction in the discipline of electrical engineering.
- To work together with reputable industries and institutions in order to advance
- To create a holistic environment for the growth of civically engaged individuals.

Program Educational Objectives (PEO):

Graduates will be able to:

- Show fundamental competence in the fields of power electronics, machines, renewable energy, and related subjects.
- Support environmental sustainability by creating, developing, and putting into service green energy or clean energy systems.

- Succeed in further education and professional endeavours while upholding moral principles.

Program Specific Outcomes (PSO):

Graduates will be qualified to...

- Recognize and assess the issues with the systems for the production, transmission, and distribution of electricity.
- Become technically proficient in the creation of renewable energy systems and make a contribution to energy conservation.

The IEI

Established in 1920 and incorporated by Royal Charter in 1935, the Institution of Engineers (India) [IEI] is a statutory body to improve engineering and technology. With more than 820,000 members and 15 (fifteen) engineering specialties covered, it is the largest multidisciplinary professional body of engineers and has been serving the country for more than nine decades.

With a number of professional societies around the world, IEI has bilateral partnerships. Under the

global International Professional Engineers Alliance (IntPEA), it maintains the International Professional Engineers (IntPE) Register for India. The Professional Engineers (PE) Certification is also given out by the Institution.

The Indian Institution of Engineers has its IEI's President serves as the leader of a National Council that manages the organization's headquarters in Kolkata, India.

Electrical IEI Students' Chapter

The IEI students' chapter includes all of the electrical department's students. Six members of the council for the academic year 2022–2023 are chosen among the second-year students. The council will be in place for a full year.

For the academic year 2022–2023, the following events were held as part of IEI.

IEI EVENTS 2022-23

1. Arduino Workshop
2. Mini Project
3. Industrial Visit to Tata Hydro Power
4. Latex Workshop
5. Fr.CRIT Avishkar 2023

On the first day of class, the software was introduced, and detailed instructions for obtaining and installing it were given. In an interactive session that followed, the students were taught the core software tools and codes and given the aforementioned assignment.

After the offline session's closing ceremony, the students were given one more assignment: writing their own report.

Fr.CRIT Avishkar 2023

Avishkar, the prestigious national-level UG project competition, brought together students from electrical, mechanical, and EXTC branches for a thrilling display of innovation and creativity. The event was held on 18th March 2023 and witnessed enthusiastic participation from a total of 52 talented students. The resource persons for this grand occasion were Ashish and Summit, who brought their expertise and knowledge to inspire and guide the participants throughout the competition.



Poster for Avishkar 2023

Avishkar provided a platform for budding engineers to showcase their

cutting-edge projects and solutions. It served as a melting pot of ideas and perspectives, encouraging healthy competition and collaboration among the participants. Ashish and Summit, as resource persons, played a pivotal role in mentoring the students, providing valuable insights, and encouraging out-of-the-box thinking. Their presence added tremendous value to the event, allowing the participants to learn from experienced professionals and refine their projects.



Avishkar - 1



Avishkar - 2



Brochure for Avishkar 2023 – Front



Brochure for Avishkar 2023 – Back

Overall, Avishkar proved to be an exceptional event that not only celebrated innovation but also encouraged the next generation of engineers to push the boundaries of technology and make a positive impact on society.

B. Jayant Baliga

Dr. B. Jayant Baliga wrote: "Power semiconductor devices are recognized as a key component of all power electronic systems. It is estimated that at least 50 percent of the electricity used in the world is controlled by power devices. With the wide spread use of electronics in the consumer, industrial, medical, and transportation sectors, power devices have a major impact on the economy because they determine the cost and efficiency of systems. After the initial replacement of vacuum tubes by solid state devices in the 1950s, semiconductor power devices have taken a dominant role with silicon serving as the base material. These developments have been referred to as the Second Electronic Revolution".

In 1993, Baliga was elected as a member into the National Academy of Engineering for contributions to power semiconductor devices leading to the advent of smart power technology.

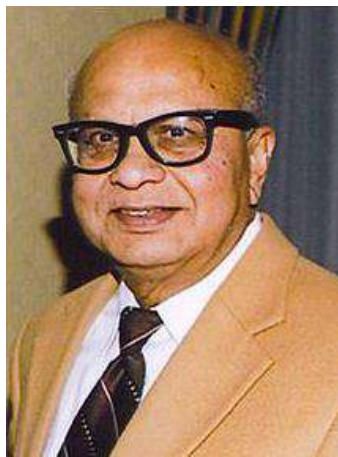


Dr. B. Jayant Baliga

Bimal Kumar Bose

Bimal Kumar Bose (Bengali: বিমল কুমার বসু; born 1932), also known as B. K. Bose, is an electrical engineer, artificial intelligence researcher, scientist, educator, and currently a professor emeritus of power electronics in the Department of Electrical Engineering and Computer Science at the University of Tennessee, Knoxville.[2]

In 2017, Bose was elected as a member of the National Academy of Engineering for contributions to advancing power electronics technology and power conversion and education.



Bimal Kumar Bose

Quotes by Famous People

1. "True terror is to wake up one morning and discover that your high school class is running the country." — Kurt Vonnegut (March 2015)
2. "Always forgive your enemies; nothing annoys them so much."—Oscar Wilde (June 1954)
3. "Sometimes the road less traveled is less traveled for a reason." —Jerry Seinfeld (February 1997)
4. "Never go to bed mad. Stay up and fight." — Phyllis Diller (November 2016)
5. "If you can't be kind, at least be vague." —Judith Martin (September 1997)
6. "Misers are no fun to live with, but they make great ancestors." —Tom Snyder (September 1998)

Event Photographs:



Navi Mumbai, Maharashtra, India
6th Floor CIBA, Fr Agnel College, next to Noor
Sector 9A, Vashi, Navi Mumbai, Maharashtra 4
Lat 19.076036°
Long 72.99183°
29/09/22 11:13 AM GMT +05:30



Navi Mumbai, Maharashtra, India
A. C. Patil College of Engineering College, Sector 4,
Kharghar, Navi Mumbai, Maharashtra 410210, India
Lat 19.030205°
Long 73.061993°
01/03/23 02:19 PM GMT +05:30



Khopoli, Maharashtra, India
Hydroelectric power plant P O Khopoli P
Taluka Khalapur, Khopoli, Maharashtra 4
Lat 18.783186°
Long 73.354302°
04/02/23 11:40 AM GMT +05:30



Khopoli, Maharashtra, India
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