



KUMARAGURU
Institutions

TRENZETTER'24
NEWSLETTER



**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

January -May (2024)



EDITORIAL MESSAGE:

The Department of Electrical and Electronics has recorded consistent improvement in its academic, research and placement performance. The department offers a range of innovatively designed programs, and the curricula is constantly updated to meet the changing requirements of the industry and meet the needs of major stakeholders. When publishing these newsletters, the only thing I had in mind is that the Newsletter should reflect the outlook of the department in all aspects. Hereby, I take the responsibility of ensuring the continuity of the issues in the years to come with improvements and richness every time. I am pretty sure that you will get a lot of useful information reading it and the unbounded educational activities will make you Explore, Enrich and Enlighten.

Dr. R.S.SANDHYA DEVI, AP - II/EEE

(EDITOR IN CHIEF)



VISION

To be a Centre of Excellence in Globalizing Education and Research in the field of Electrical and Electronics Engineering.

MISSION :

- Empower the students with state-of-art knowledge to excel as eminent electrical engineers with multi-disciplinary skills.
- Emphasize social values and leadership qualities to meet Industrial needs, societal problems and global challenges.
- Enable the technocrats to accomplish impactful research and innovations.



Message from HoD's Desk



The Newsletter Trenzetter'24 showcases the bright, colorful yet technical and innovative vibes of both students and academicians and together their involvement in many of the ongoing and futuristic events and projects. Many of these potential interactions on the technical and outreach activities happen during the afterhours and indeed the real learning takes place after the scheduled hours.

I congratulate all the student members and my colleagues who have been a great support in making things possible. The department is scaling up in placement percentage and higher studies track with the support of our faculty members and students' involvement. I wish all the students Best Wishes for their future endeavors .

I'm grateful to the entire faculty team for their excellent support for their guidance and support to the students in both academic and extracurricular activities.

This newsletter is a book of all the remarkable moments of Team EEE

Thank You

Dr. K MALARVIZHI

Head of the Department



LIST OF FACULTY

S.No	Faculty Name	Signature
1.	Dr.K.Malarvizhi	Prof &Head
2.	Dr.P.Thirumoorthi	Professor
3.	Dr.K.Paramasivam	Professor
4.	Dr.K.Premalatha	Associate Professor
5.	Dr. V. Kandasamy	Associate Professor
6.	Dr. R. Kavitha	Associate Professor
7.	Dr .M. Mohanraj	Associate Professor
8.	Dr. B. Karunamoorthy	Associate Professor
9.	Dr.N.Vinoth Kumar	Associate Professor
10.	Dr. M. Nirmala	Assistant Professor III
11.	Dr. N. Prakash	Assistant Professor III
12.	Dr. T. Shanthi	Assistant Professor III
13.	Dr. S. Kaliappan	Assistant Professor III
14.	Dr. Suganthi S T	Assistant Professor III
15.	Mr. J. Ram Prabu	Assistant Professor II
16.	Ms. R. S. Sandhya Devi	Assistant Professor II
17.	Ms. P. Maithili	Assistant Professor II
18.	Ms. G. Anushree	Assistant Professor II
19.	Ms. D. Sharmitha	Assistant Professor II
20.	Mr. N.MohanaSundaram	Assistant Professor II
21.	Mr. M.Mathan Kumar	Assistant Professor II
22.	Mr. S.Arun Kumar	Assistant Professor II
23.	Mr. Ravichandran M	Assistant Professor I



Experience the Joy of Learning After Class Hours
The Value-Added Courses
January'24 – June'24

The Department of EEE, Kumaraguru College of Technology, Coimbatore inculcates Value Added Education to enhance student's technical and employability skills. Resource experts are invited from the industries for most of the courses and the domains covered include Virtual instrumentation, Green buildings, EVs, Embedded and Energy.

Hands – on Embedded & IoT Training Program
(Organized by Dr S Kaliappan and Dr R S Sandhya Devi)
February 8th – 9th , 2024

The Internet of Things (IoT) has changed how we interact with our environment. The possibilities for connected devices to improve efficiency, manageability, and accessibility appear limitless, from smart homes to linked automobiles. The success of the Internet of Things is dependent on embedded systems. Embedded systems have a range of applications in the IoT sector. They can control and monitor devices, collect data, and communicate with users.

Embedded systems are essential for connecting and integrating devices to provide user-friendly applications and interfaces. As the foundation of the Internet of Things, these systems' capabilities will expand as technology advances. The greater emphasis on automation and the demand for efficiency today are the primary causes of the rising utilization of embedded systems. The course provides an insight on the power of smart devices and their data and efficient frameworks that can enhance operational efficiency and improve decision-making.



Training on New Wireless module with CH340 USB-UART, NodeMcu is WIFI IoT (Internet of Things) development board based on ESP8266 was given by R&D Team from NoviTech Pvt., Ltd., CBE. NodeMcu is a tiny board, based on ESP8266, integrates GPIO, PWM, IIC, 1-Wire and ADC all in one board. It's a Lua based firmware for WiFi-SOC (Systems-On-Chip) ESP8266 WiFi module. The training was followed by Team Assignment sessions.





**Hands-on Training Program on
Virtual Instrumentation for Beginners by Soliton Technologies Pvt. Ltd
March 8th – 9th , 2024
(Organized by Dr R. S. Sandhya Devi & Team)**

To provide students with an understanding of software based tools for the development of virtual instruments for use in real world data acquisition and measurement systems. The knowledge gained will be used to complete an instrumentation project.

Global Fortune 500 companies have selected Soliton as their trusted partner to get high quality software projects completed on time at an unmatched value. NI awarded Soliton the Outstanding Technical Resources Award for 5 years in a row for having the greatest number of LabVIEW and TestStand certified engineers in the Alliance category. This course aims at covering the basics from the leading Experts of Soliton.







Mini Project Competition on “Design and Demonstrate the Electrical Machines Concept with a Prototype Model”-As a part of DC Machines and Transformers Course

January 6th, 2024

(Organized by: Dr K MALARVIZHI, Prof & Head / EEE, Mr. S ARUNKUMAR/AP II/EEE)

The Department of EEE, Kumaraguru College of Technology, Coimbatore has conducted a Mini Project Competition on “Design and Demonstrate the Electrical Machines Concept with a Prototype Model”-As a part of DC Machines and Transformers Course exclusively for the II-year EEE students. The event was conducted on 06-01-2024, in B Block Machines Lab. The program was attended by about 75 participants.

To improve the student’s understanding capability on the electrical machines concept, a mini project development program was organized for II year EEE students. The students must develop a miniature model for the electrical machines concept which they have learnt on the course.





Proof of Concept development for “Electromagnetism and Mutual Inductance Property – To understand the Wireless Charging concept”-As a part of DC Machines and Transformers Course

January 12th, 2024

(Organized by: Mr. S ARUNKUMAR/AP II/EEE)

The Department of EEE, Kumaraguru College of Technology, Coimbatore has conducted a Proof of Concept development for “Electromagnetism and Mutual Inductance Property – To understand the Wireless Charging concept”-As a part of DC Machines and Transformers Course exclusively for the II-year EEE students. The event was conducted on 12-01-2024, in B Block Machines Lab. The program was attended by about 75 participants.

In order to improve the student’s understanding capability on the topic of electromagnetic induction, mutual induction and wireless charging concepts, a proof-of-concept development program was organized for II year EEE students. The students must develop a miniature model for the electrical machines concept which they have learnt in the course as PoC Models.



Technical Seminar on Recent Trends in Electrical Drives and Applications March 27th , 2024

(Organized by: Dr. P THIRUMOORTHY/P/EEE, Mr S ARUNKUMAR/AP II/EEE)

The Department of EEE, Kumaraguru College of Technology, Coimbatore has conducted a “Technical Seminar on Recent Trends in Electrical Drives and Applications” exclusively for the III-year EEE students as a part of solid-state drives course. The event was conducted on 27-03-2024, in the Seminar Hall, C Block. The program was attended by about 80 participants.

The session was handled by Dr. K Ragavan, Associate Professor, Electrical Engineering, Indian Institute of Technology, Gandhi Nagar. The outcome of the event is to enhance students to understand the cutting-edge technologies and applications in electrical drives, fostering networking and inspiring innovation.





Faculty Corner

Mr. S.Arunkumar, Assistant Professor of EEE, delivered a one day seminar on

“Think Different, Create Better: The Power of Design Thinking 25th, 2023” at KGISL Institute of Technology, Coimbatore on March 7th, 2024.





NPTEL and IITs - Faculty Participation

S. No.	Name	Duration	Level of Participation
1	N. Mohana Sundaram	8.1.2024	NPTEL Translator
2	Kavitha R	01-02-2024	TOP 5% in NPTEL EFFECTIVE ENGINEERING TEACHING IN PRACTICE
3	N. Mohana Sundaram	1.4.2024	NPTEL Translator - Electrical Machines II (2)
4	R S Sandhya Devi	Feb'24	IITKharagpur -TCSiON AI4IPCS Certification course on Handson Approach to AI achieved Certificate of Merit

Workshops attended by EEE Faculty Members

S.No.	Name	Duration	Title
1	Dr R Kavitha	15.02.2024 to 17.02.2024	Quanser Tool, Mathworks(online)
2	Dr R Kavitha	11.02.2024 to 13.02.2024	Image Processing on Ramp, Mathworks(online)
3	Dr R Kavitha	12-02-2024 to 14-02-2024	MATLAB on Ramp, Mathworks(online)
4	Dr M Nirmala	16.03.2024, 17.03.2024	Electric Vehicle- Charging station(online), MSME Technology, PPDC,Coimbatore.



FDPs attended by EEE Faculty Members

S.No.	Name	Program Title	Event Details
	R.S. SANDHYA DEVI	DST Sponsored 2 week FDP on Entrepreneurship (Machine Learning)	GCT COIMBATORE,02-01-2024 to 12-01-2024, 2 weeks.
	D.SHARMITHA	National level Faculty development program on Exploring Teaching strategies and research scope in Renewable Energy Sectors	Hindusthan College of Engineering and Technology,02.1.2024-06.1.2024, 5 days
	R.S. SANDHYA DEVI	Inculcating universal human values in technical education	GCT COIMBATORE, 08-01-2024 to 12-01-2024, 5 days
	RAMPRABU J	Data analytics using Power BI	AISSMS INSTITUTE , PUNE, 08-01-2024 to 12-1-2024, 5 days
	KAVITHA R	Effective Engineering Teaching In Practice	NPTEL Swayam 4 weeks, JAN 2024
1	RAVICHANDIRAN M	Advanced Entrepreneurship Skill Development Program in Electric Vehicle Technologies	National Institute of Technology - Calicut, Calicut Mukkam Road, Kattangal, Kerala ,22-01-2024-27-01-2024,One week
	M.NIRMALA	Green Fuel and Electric Vehicle	Vellore institue of Technology,1/22/2024-1/26/2024, 5 days
2	G.ANUSHREE	AI Tools in scientific Writing	KPR Institute Engineering and Technology, 02-02-2024 to 03-02-2024
3	SARUNKUMAR	"Intelligent Techniques for Integration of Renewable Energy, Electric Vehicles and Energy Storage Systems"	Government college of technology, Coimbatore, 05-02-2024-09-02-2024, 1 week)



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	KARUNAMOORTHY B	Artificial Intelligence and Machine Learning	NIT WARANGAL, 12-02-2024 to 17-02-2024, one week
	S.KALIAPPAN	CS 3491 - Artificial Intelligence and Machine Learning	Kamaraj College of Engineering and Technology - Virudhunagar, 12.2.2024 to 17.2.2024, 6 days
	D SHARMITHA	AICTE Recognized Faculty Development Programme on "Big Data Analytics in Smart Grid"	Department of Electrical Engineering, Chitkara University, Punjab, 12.02.2024 to 16.02.2024, 5 days
	D SHARMITHA	Anna University sponsored FDP on EE3031 "Intelligent control of Electric vehicles"	Dr.NGP institute of Technology, 19.02.2024 to 24.02.24, 6 days
	KAVITHA R	ANSYS Skill Development course for IcePak, LF and HF	Entuple Technologies Pvt Ltd, KCT, 01-03-2024 to 08-03-2024
4	M NIRMALA	Recent Trends and Challenges on Integration of Power Converters with Electric Vehicle	CMR Institute of Technology, Bangalore, 18/3/2024-22/3/2024, 5 days.
5	T. SHANTHI	Recent Trends and Challenges on Integration of Power Converters with Electric Vehicle	CMR Institute of Technology, Bangalore, 18/3/2024-22/3/2024, 5 days.
	KAVITHA R	Recent Trends and Challenges on Integration of Power Converters with Electric Vehicle	CMR Institute of Technology, Bangalore, 18/3/2024-22/3/2024, 5 days



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	KAVITHA R	FDP on “Research Issues and Challenges in Communication and Signal Processing-2024.	NPTEL Swayam, 25.03.24 to 30.03.24,one week
	N. MOHANA SUNDARAM	Introduction to Soft Computing	NPTEL, India, May 2024 8 weeks
	T. SHANTHI	FDP on “Research Issues and Challenges in Communication and Signal Processing-2024.	SRI RAMAKRISHNA COLLEGE OF ENGINEERING , 25.03.24 to 30.03.24, 1 week



Research Publications by our Faculty Jan' 24 to May' 24

S.No.	Name	Duration	Level of Participation
1	Dr.K.Malarvizhi	Fractional PID with Genetic Algorithm Approach for Industrial Tank Level Control Process	Electric Power Components and Systems, 2024 - Taylor & Francis - SCI,SCOPUS
2	Dr.M.Nirmala	Performance Analysis of PSO-Based SHEPWM Control of Clone Output Nine-Switch Inverter for Nonlinear Loads	Elektronika in Elektrotechnika - SCI,SCOPUS
3	RAMPRABU J	Accurate state of charge prediction for lithium-ion batteries in electric vehicles using deep learning and dimensionality reduction	Springer- Electrical Engineering, Jan 2024 - SCI,SCOPUS
4	Dr Kavitha R	Fault Diagnosis of Asymmetric Cascaded Multilevel Inverter using Ensemble Machine Learning	Journal of Microelectronics, Electronic Components and Materials- SCI,SCOPUS



Distinguished Visitors to the Department

S.No.	Name	Date of Visit	Purpose of Visit and plans for future engagement
1	Mr. Pathy Iyer, Director, ELTECH, Bangalore	25-03-2024	Department Advisory committee, Department SWOT analysis, upgradation of department.
2	Mr. Ilangovan Angaiah, President - ESS, AR4-Tech Pvt Ltd. Bangalore	25-03-2024	Department Advisory committee, Department SWOT analysis, upgradation of department
3	Dr. Gobbi A/L Ramasamy, Associate Professor, Multimedia University, Malaysia.	26.02.2024	Resource Person - International Workshop on Master Class on "Second Life Storage: Sustainable Solution for a Clean Energy Future"
4	Dr Jahangir Hossain, Professor in Power Systems and Renewable Energy, University of Technology Sydney, Australia.	22.4.2024 to 26.04.2024	First India-ASEAN Research Colloquium on Renewables to Resilience: The Evolving Landscape of the Modern Electric Grid



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Dr.-Ing. Mohd Zamri Che Wanik, Senior Scientist/Project Lead, Qatar Environment and Energy Research Institute (QEERI), Qatar.	22.4.2024 to 26.04.2024	First India-ASEAN Research Colloquium on Renewables to Resilience: The Evolving Landscape of the Modern Electric Grid
Dr Asma Aziz, Senior Lecturer, School of Engineering, Edith Cowan University, Perth, Australia.	22.4.2024 to 26.04.2024	First India-ASEAN Research Colloquium on Renewables to Resilience: The Evolving Landscape of the Modern Electric Grid
Ir. Ts. Dr. Jasrul Jamani Jamian, Associate Professor, Faculty of Electrical Engineering, Universiti Teknologi Malaysia, Malaysia	22.4.2024 to 26.04.2024	First India-ASEAN Research Colloquium on Renewables to Resilience: The Evolving Landscape of the Modern Electric Grid

MMU PROFESSOR VISIT - MASTER CLASS AND ACADEMIC PARTNERSHIPS



International Expert from Multimedia University, Malaysia visit to KCT

Date: 26.02.2024

Time: 02:00 PM – 4:00 PM (IST)

Facilitator: Dr. Suganthi ST, Asst. Professor – Electrical Engineering, Kumaraguru College of Technology.

Attendees

1. Ir. Dr. Gobbi A/L Ramasamy, Associate Professor, Multimedia University, Malaysia.
2. Dr. Satish Kumar Sagadevan, Associate Director – Kumaraguru Office of International Relations and Sakthi Excellence Academy.
3. Dr. Ramesh Babu, Dean – Electrical Sciences & Curriculum Design & Development, Kumaraguru College of Technology.
4. Mr. Kishore Rangarajan, Executive – Kumaraguru Office of International Relations and Assistant Professor – Automobile Engineering.
5. Dr. Suganthi ST, Assistant Professor – Electrical and Electronics Engineering.
6. Dr. Thenmozhi G, Associate Professor – Automobile and Electronics Engineering.
7. Dr. Vinothkumar N, Associate Professor – Electrical and Electronics Engineering.
8. Ms. Maithili P, Assistant Professor – Electrical and Electronics Engineering.
9. Mr. Ravichandiran M, Assistant Professor – Electrical and Electronics Engineering.
10. Mr. Veeramanikandan C, Research Assistant – Kumaraguru Centre for Industrial Research and Innovation.

On February 26th, 2024, Dr. Gobbi A/L Ramasamy, Associate Professor at Multimedia University Malaysia extended a visit to KCT and delivered a Master Class on Second Life Batteries and actively participated in constructive discussions with KCT faculty

members.

Academic Discussions with MMU

Dr. S.T. Suganthi formally introduced Dr. Gobbi A/L Ramasamy to the KCT team and the dean, Dr.

V. Ramesh Babu extended a warm welcome to Dr. Gobbi A/L Ramasamy and initiated discussions on collaborative possibilities and student immersion programs.

Dr. Gobbi Ramasamy provided detailed information about MMU, including its research centers and digital research clusters. He listed potential areas for collaboration such as joint publications, conference organizing, student internships, and faculty visits. Dr. Gobbi also highlighted his areas of expertise and invited faculty members to collaborate with him, demonstrating the facilities of the SolarPV laboratory in MMU.

Mr. Kishore R highlighted the existence of 17 active MoUs between KCT and international universities. He discussed ongoing activities under the MoUs and emphasized the requirements from KCT's side for such agreements. Mr. Veeramanikandan C discussed his ongoing projects in Battery Management System, Thermal Management of Batteries, and Active Cell Balancing Mechanism with batteries. He proposed his interest in collaborating on a research proposal for Thermal Management System for second-life batteries.

Ms. Mythili P highlighted her research area on "Power Converter Topologies for Renewable Applications" and sought suggestions for suitable and innovative power converter topology for solar applications. Dr. Thenmozhi G, Associate Professor in Automobile Engineering, shared insights into her research endeavors in BLDC Motor Design and Energy Storage. She detailed the specifications of the BLDC Motor crafted specifically for electric two-wheelers. Additionally, she discussed ongoing collaborations under non-disclosure agreements with IKTS, Germany. Noteworthy ongoing projects were emphasized, including BLDC motor development for defense and aerospace applications, as well as tandem motor design. Dr. Vinothkumar N, enquired about the post-doctoral fellowship requirements and opportunities in MMU. The meeting concluded with a shared commitment to explore and facilitate the identified collaborative opportunities between KCT and MMU.

Master Class on "Second Life Storage: Sustainable Solution for a Clean Energy Future"

The masterclass on "Second Life Storage: Sustainable Solution for a Clean Energy Future" was delivered by Ir. Associate Professor Dr. Gobbi A/L Ramasamy. The focus of the session was on the potential of repurposing Electric Vehicle (EV) batteries for second-life applications, particularly in Photovoltaic (PV) systems.

Dr. Gobbi introduced the concept of Second Life EV Batteries, emphasizing the untapped potential of these batteries even after their primary use in electric vehicles. Later, the class delved into the challenges of the absence of Energy Storage Systems in PV systems, attributing it to the high costs involved. He also highlighted the economic and environmental concerns arising from the accumulation of discarded EV batteries. Various applications of Second Life EV Batteries were discussed, showcasing their versatility and potential in different sectors.

SLB assessment

The speaker presented an overview of UL 1974: 2018, focusing on the assessment of Second Life Batteries. The standard's criteria for sorting, grading, and fitting batteries into different applications were outlined. Class touched upon the refurbishing process, shedding light on the remanufacturing of batteries and its implications in sustainable energy solutions.

Projects - PV with SLB For Peak Demand Saving and PV – SLB for street lighting: Dr. Gobbi shared insights into ongoing projects, including the use of Second Life EV Batteries as Energy Storage Systems for Peak Demand Saving and in Street Lighting applications, aiming for zero reliance on the utility grid.

The masterclass concluded with a heartfelt thank-you note expressing gratitude to Dr. Gobbi for sharing his expertise. Dr. Sathish Kumar S, representing the International Relations felicitated the international visitor for his valuable contribution to advancing knowledge in the field of sustainable energy.



Report on the Research Colloquium: "Renewables to Resilience: The Evolving Landscape of Modern Electric Grid (Participation)"

22.04.2024 to 25.04.2024

Event Overview

We are thrilled to announce the successful completion of the Research Colloquium on "Renewables to Resilience: The Evolving Landscape of Modern Electric Grid." Jointly organized by Universiti Teknologi Brunei, Universiti Tun Hussein Onn Malaysia, and Vellore Institute of Technology - Chennai Campus, this colloquium brought together leading experts and researchers from across the globe to explore the future of sustainable energy and the modern electric grid.

Plenary Speakers and Sessions

The colloquium featured four esteemed plenary speakers who provided deep insights into various aspects of the evolving electric grid:

1. Jahangir Hossain, University of Technology Sydney Topic: Integration of Electric Vehicles in Smart Grids

Highlights: Jahangir Hossain discussed the transformative impact of electric vehicles (EVs) on smart grids. He emphasized the role of EVs in demand response, grid stabilization, and the potential for vehicle-to-grid (V2G) technologies.

2. Jasrul Jamani Jamian, Universiti Teknologi Malaysia Topic: Battery Energy Storage Systems (BESS)

Highlights: Jasrul Jamani Jamian highlighted the game-changing potential of battery energy storage systems. He explored various applications of BESS, including peak shaving, load leveling, and renewable energy integration, and discussed the technological advancements and challenges in this field.

3. Mohd Zamri Che Wanik, Senior Scientist, Qatar Environment & Energy Research Institute (QEERI)

Topic: Utilization of Phasor Measurement Units (PMUs) for Monitoring Medium Voltage Networks

Highlights: Mohd Zamri Che Wanik presented on the utilization of phasor measurement units in monitoring and controlling medium voltage networks. He discussed how PMUs enhance grid

reliability and enable real-time monitoring and advanced analytics.

4. Asma A., Edith Cowan University, Australia

Topic: Complexities of Distributed Energy Resources (DERs)

Highlights: Asma A. delved into the complexities of integrating distributed energy resources into the modern grid. She examined the challenges and opportunities associated with DERs,

including grid interconnection standards, regulatory frameworks, and the need for advanced grid management systems.

Participation and Collaboration

The colloquium attracted over 50 participants from various parts of the world, fostering insightful discussions and laying the groundwork for future collaborations. Participants included

researchers, industry professionals, and students who engaged in dynamic exchanges of ideas and shared their latest research findings.

Key Themes and Insights

Several key themes and insights emerged from the discussions and presentations:

Smart Grid Integration: The integration of electric vehicles and distributed energy resources into smart grids is crucial for enhancing grid flexibility and resilience.

Energy Storage: Battery energy storage systems are essential for balancing supply and demand, particularly with the increasing penetration of renewable energy sources.

Advanced Monitoring: The use of advanced monitoring tools like phasor measurement units is vital for ensuring grid stability and reliability.

Regulatory and Technological Challenges: Addressing the regulatory and technological challenges associated with DERs is necessary for their effective integration into the grid.

Conclusion

The Research Colloquium on "Renewables to Resilience: The Evolving Landscape of Modern Electric Grid" was a resounding success, providing a platform for sharing knowledge and fostering collaboration in the field of sustainable energy. The event underscored the importance of innovative research and technology in shaping the future of the modern electric grid.

We look forward to continuing these discussions and building on the insights gained to drive forward the transition to a resilient and sustainable energy future.





Kumaraguru's Open Day and EEE's Events – A glimpse

March 30-31, 2024

KUMARAGURU OPEN DAY happened on March 30 & 31 where an open day at an engineering college is a day when the college invites prospective students to visit the campus. Open days can be a valuable way to learn more about the college and what it's like to be an engineering student. Glimpse of the event is shown below:





STUDENT CORNER

The active participation of our EEE students in conferences / seminars / webinars / workshops is presented below:

S.No.	Roll Number	Student Name	Course Enrollment Date	Course Name
1	20BEE010	Anuraga.P	08-03-2024	National Level Hackathon at Kalaignar karunanithi college of technology
2	20BEE093 20BEE221 20BEE212	UDHAYAPRAKASH C RATHISHKUMAR S KARTHIKRAJA N	22.3.2024	SRISTI 2K24 - Project Expo at Sri Ranganathar Institute of Engineering and Technology
3	22BEE317	G VAISHNAVI	Jan 2024	NPTEL Course on HYBRID ELECTRIC VECHILE
4	22BEE098	SRIGANESH S	Jan 2024	NPTEL Course on Introduction to Internet of Things
5	21BEE050	MIRUDHULASRI RK	Jan 2024	Business Analytics with Excel - Coursera
6	21BEE053	MOHITH S	March 2024	Introduction to Microsoft Excel - Coursera
7	21BEE053	MOHITH S	Feb 2024	Investment risk management - Coursera
8	21BEE078	SESHARANJITH M	Feb 2024	Introduction To Power Electronics - Coursera
9	21BEE083	SIDHARTH RAMESH	Feb 2024	VLSI Soc Design Using Verilog HDL - Maven Silicon



Students and their Achievements

The Department of EEE Congratulates the student award winners and wishes them success in their future endeavors. Congratulations Winners!!!

S.No.	Roll Number	Student Name	Course Enrollment Date	Course Name
1	20BEE009	Anandh B	17-02-2024	Won best paper award from International Conference on Smart and Sustainable Energy Systems (ICSSES 2024), Vishnu Institute of Technology, Andhra Pradesh on 17.02.2024
2	22BEE006 , 22BEE043, 22BEE034	Akshaya, Jeevitha, HariniN	14.3.2024	TANCAM-WIE, Sona college of technology, Received cash prize of Rs.10000/-.
3	20BEE093 20BEE221 ,20BEE212	UDHAYAPRAKASH C RATHISHKUMAR S KARTHIKRAJA N	22.03.2024	First prize ,Sri Ranganathar Institute of Engineering and Technology , 22.3.2024 in SRISTI 2K24 - Project Expo
4	20BEE100	SRINIVASAN. P	03.03.2024	First Prize won in PRODOTHON at PSG COLLEGE OF TECHNOLOGY,03.03.2024
5	22BEE082	ROOPAK M K	03.03.2024	Business Analytics with Excel - Coursera First Prize won in PRODOTHON at PSG COLLEGE OF TECHNOLOGY,03.03.2024



NOTABLE DEPARTMENT ASSOCIATION EVENTS ORGANIZED

S.No.	DATE	Event Title	Event Description
1	08/01/2024	Career Launchpad- Emergia Series: Episode 1	Emergia Series aims in providing efficient technical & soft skill training along with personal insights for the students to crack their placements. For Episode 1, we had Mr. Ashwin Balaji A R, Alumni, EEE to cover aspects of clearing Schneider Electrics Interviews.
2	24/01/2024	The Design Dazzle	To inculcate the students with designing ideologies and bring about their inherent creative techniques on the theme " Epic Vision : Unveiling Tomorrow's Technologies " on account of Republic Day
3	13/02/2024	Career Launchpad- Emergia Series: Episode 2	For the Episode 2, we had Mr. Thennavan S P, Alumni, EEE to cover aspects of clearing Hitachi Energy's Interview process.
4	22/02/2024	Career Launchpad- Emergia Series: Episode 3	For the Episode 3, we had Mr. Manikandan M, EEE to cover aspects of clearing Tata Elxsi Interview process & the general interviews
5	08/03/2024	Thiya - Inspiring Change, Creating Impact	We hosted a series of empowering activities, including an exciting puzzle fitting challenge where we pieced together the strength of women in every fragment.



6	11/03/2024	Career Launchpad- Emergia Series: Episode 4	For the Episode 4, we had Mr. Arunan R, Final Year, EEE to cover aspects of clearing Soliton Technologies Interview process.
	18/03/2024	Master Solar Plant Design using Pvsyst	This focuses on mastering the magic of modules, predict energy output, and design layouts for maximum sunshine. Featured our guest speaker Mr. Sooraj Narayanan, Solar Engineer at Avanta-Garde Systems and Controls Private Limited.
	19/03/2024 - 20/03/2024	E-GRID'24	National, Student-Focused E-Vehicle Conclave involving Panel Discussions, EV Masterclasses, Poster presentation, Project Expo & Startup Case Challenge and 50K worth prizes.
	21/03/2024	Design of BLDC Motor	This focuses on exploring the design of BLDC motors, the heart of drone propulsion and learning to simulate your own motor. Featured our guest speakers Dr. Vinoth Kumar N, Associate Professor, EEE & Mr. Veeramanikandan C, Associate Lead - Innovation.
	21/03/2024	LFR Challenge	This event is to develop a Line Following Robot that can compete in a race against other robots, showcasing speed, agility, and accurate line tracking capabilities.
	22/03/2024	TechSynergy	This event aims to promote energy efficiency and innovation in technology by challenging participants to optimize power consumption in circuits, troubleshoot and repair malfunctioning electronic devices, and solve energy-related problems.
	23/03/2024	Moto Hunt	This event focussing on principles of motor and its working. Students can get a practical exposure to motors and its working, and they also can learn to develop a simple motor .



Glimpse of the Events Conducted







FAREWELL TO 2020-2024 Batch

April 15th, 2024

From the first day of college to understanding lectures, staying in hostels, everything became smoother because of them. The department has taught us how to cope with this new environment while we are away from our home. They have also taught us how to ease the struggle with our study, how to finish assignments on time. They have been our guardian angels all this time. They took us to doctors when we got sick. They cared for us. It is not easy to forget all the time we spent with them. No one knows where life will take us. We may meet one day again on the office premises or in some other way.





Thank Note

- **Sincere & Special Thanks to our Dyanamic HoD for the guidance, Motivation and Support**
- **Extremely Thankful to the Faculty Team for your Updates !!!**
- **Best Wishes for all the Students for your Support!!!**
- **Special Thanks to DA Student Team Members for your update!!!**

