ELECTRADIANZ

EEE DEPARTMENT ASSOCIATION UKFCET

DEPARTMENT ASSOCIATION ACTIVITIES

2022-23

1. EEE department association (Electradianz) Conducted a workshop, PRAGMATIC 2- to provide hands on training for acquiring class B supervisory license on from 4-8 22 to 6-8-22.

2. EEE department association (Electradianz) in association with SRISHTI campus has conducted a workshop on 'Python and Robotics' September 23rd 2022.

3. EEE department association (Electradianz) in association with INTRANS Electro Components Pvt. Ltd. has conducted a workshop on 'Transformer Maintenance on 24-10-2022.

4. EEE department association (Electradianz) has conducted a pre requisite talk on EMT basics, 'A pathway to Electromagnetics' February 9th , 2023.

5. EEE department association (Electradianz) has conducted a workshop on Design engineering 'Design It' for fourth semester students on March 10th , 2023.

6. EEE department association (Electradianz) in association with KSEB has conducted an expo as part of Techno cultural fest Ektha 23, on May 5th , 2023.

7. EEE department association (Electradianz) in association with TESLA has conducted a technical expo as part of Techno cultural fest Ektha 23, on May 5th , 2023.

8. EEE department association (Electradianz) in association with ARCITE has conducted a workshop on 'Career after engineering' on May 19th , 2023.

9. Industrial visit by EEE department staff and S7 students at TATA-JYOTHI IIIC on 16th September 2023.

10. Industrial visit by EEE department staff and S7 students at Kshema Power and Infrastructure Pvt. Ltd, Thirunelveli on 23rd September 2023.

2021-2022

1. PRAGMATIC- Conducted a workshop to provide hands on training for acquiring class B supervisory license from 17th March 2021 to 22nd March 2021.
2. HOARD 2 RETAIN- Conducted a seven day workshop on Energy Audit and Conservation at home from 9th May 2021 to 15th May 2021
3. CONFAB- Conducted a talk based on Interview guidance on 24th May 2021.
4. VIGNETTE- Conducted a workshop on resume writing on 28th May 2021
5. National conference on "recent trends in electrical, electronics and computing technologies – 2k21" (rteect - 2k21) on 9th and 10th june 2021.

2022-23

UKF COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PRAGMATIC SEASON-2

PROGRAM SCHEDULE (4/8/2022-06/8/2022)

Day 1

- 9:00 AM - 9:30 AM: Registration and Welcome
- 9:30 AM - 10:00 AM: Inauguration
- 10:00 AM - 11:30 AM: Introduction to Pragmatic Season 2
- 11:30 AM - 11:45 AM: Morning Break
- 11:45 AM - 1:00 PM: Machines Lab experiments (Hands-On Training)
- 1:00 PM - 2:00 PM: Lunch Break
- 2:00 PM – 4.10 PM: Machines Lab experiments (Hands-On Training)

Day 2

- 9:00 AM - 9:30 AM: Review of Day 1
- 9:30 AM - 11:00 AM: Measurements lab experiments
- 11:00 AM - 11:15 AM: Morning Break
- 11:15 AM - 12:30 PM: Measurements lab experiments (Hands-On Training)
- 12:30 PM - 1:30 PM: Lunch Break
- 1:30 PM - 4:10 PM: Measurements lab experiments (Hands-On Training)

Day 3:

- 9:00 AM - 9:30 AM: Review of Day 2
- 9:30 AM - 11:00 AM: Power system lab experiments (Hands-On Training)
- 11:00 AM - 11:15 AM: Morning Break
- 11:15 AM - 12:30 PM: Power system lab experiments (Hands-On Training)
- 12:30 PM - 1:30 PM: Lunch Break
- 1:30 PM - 2:00 PM: Valedictory function

Program Report

"Pragmatic Season 2" Class B Supervisory License Training Program

Program Overview: The "Pragmatic" Class B Supervisory License Hands-On Training Program was a comprehensive training event organized by the Department of Electrical and Electronics Engineering. The program spanned three days and provided participants with valuable hands-on experience and knowledge related to electrical engineering and power systems.

Day 1

- The program began with registration and a warm welcome, allowing participants to familiarize themselves with the event and fellow attendees.
- The inauguration ceremony marked the official commencement of the training program, setting a positive tone for the days ahead.
- Participants were introduced to the content and objectives of "Pragmatic Season 2."
- The morning break provided a brief respite, allowing participants to recharge for the intensive hands-on training sessions.
- The rest of the day was dedicated to Machines Lab experiments, offering participants practical experience in this crucial area of electrical engineering.
- The program continued after a well-deserved lunch break, with further hands-on training in the Machines Lab.

Day 2

- The second day commenced with a review of the previous day's activities, ensuring that participants could consolidate their learning.
- The day featured the Machines Lab experiments, which allowed participants to apply their knowledge to practical situations.
- The morning break provided a chance for participants to discuss their experiences and exchange insights.
- The afternoon session continued the hands-on training in the Machines Lab, providing participants with a deeper understanding of this critical aspect of electrical engineering.

Day 3

- The third day commenced with a review of the previous day's activities, ensuring that participants could consolidate their learning.
- The day featured the Measurements Lab experiments, which allowed participants to apply their knowledge to practical situations.
- The morning break provided a chance for participants to discuss their experiences and exchange insights.
- The afternoon session continued the hands-on training in the Measurements Lab, providing participants with a deeper understanding of this critical aspect of electrical engineering.

Day 4

- Day 4 began with a review of the second day, helping participants to recap their experiences and learning.

- Power System Lab experiments were the focus of the day, offering participants a chance to work with real-world power systems.
- The morning break once again facilitated networking and knowledge sharing.
- The afternoon continued with hands-on training in the Power System Lab, allowing participants to explore and apply their knowledge to practical scenarios.
- The program concluded with a valedictory function, recognizing the achievements of participants and expressing gratitude for their participation.

Feedback and Evaluation: The "Pragmatic" training program received highly positive feedback from the participants. They appreciated the hands-on training, the quality of the lab experiments, and the well-organized structure of the program. The positive feedback is a testament to the effectiveness and value of the training provided.

Acknowledgments: The success of the "Pragmatic" Class B Supervisory License Hands-On Training Program would not have been possible without the dedication of the organizers, including the Vice Principal, HOD, and the Event Coordinators: Rakhi Das and Rahul R. Their hard work and commitment contributed to the overall success of the program.

Future Plans: Based on the success of the inaugural program, there are plans to continue and expand the "Pragmatic" training series, providing even more valuable experiences and knowledge to future participants.

Conclusion: The "Pragmatic" Class B Supervisory License Hands-On Training Program was a resounding success, offering participants practical experience and knowledge in the field of electrical engineering. The positive feedback and appreciation expressed by the participants reflect the program's high quality and its contribution to the field of electrical engineering education.

പൊതുജനങ്ങൾക്ക് വിദഗ്ധപരിശീലനം സംഘടിപ്പിച്ച് യു.കെ.എഫ്. ഇലക്ട്രിക്കൽ വിഭാഗം

പൊതുജനങ്ങൾക്ക് വിദഗ്ധ പരിശീലനം നൽകുന്നതിന്റെ ഭാഗമായി യു.കെ.എഫ്. ഇലക്ട്രിക്കൽ വിഭാഗം സംഘടിപ്പിച്ച പ്രാമാറ്റിക് പരിശീലനപരിപാടിയിൽ പങ്കെടുത്തവർ സർട്ടിഫിക്കറ്റുമായി കോളേജ് അധികൃതർക്കൊപ്പം

പാരിപ്പള്ളി▸ പാരിപ്പള്ളി യു.കെ. എഫ്. എൻജിനിയറിങ് ആൻഡ് ടെക്നോളജിയിൽ ഇലക്ട്രിക്കൽ സൂപ്പർവൈസറി ലൈസൻസ് പരിശീലന പരിപാടിയായ പ്രാമാറ്റിക്കിന്റെ പ്രായോഗിക പരിശീലനം പൂർത്തിയായി. ഇലക്ട്രീഷ്യൻ, കോൺട്രാക്ടർ മേഖലകളിൽ തൊഴിൽചെയ്യുന്നവർക്കും വിദ്യാർഥികൾക്കും തൊഴിലധിഷ്ഠിതപരിശീലനം നൽകുകയെന്ന ലക്ഷ്യത്തോടെ പരിശീലനം സംഘടിപ്പിച്ചത്.

ഇലക്ട്രിക്കൽ വിഭാഗത്തിന്റെ ലാബുകളായ ഇലക്ട്രിക്കൽ മെഷീൻസ് ലാബ്, മെഷർമെൻറ്സ് ലാബ്, പവർസിസ്റ്റം ലാബ് എന്നിവ പൊതുജനങ്ങൾക്ക് വിദഗ്ധ പരിശീലനത്തിന് തുറന്നുകൊടുക്കുന്നതിന്റെ ഭാഗമായി സംഘടിപ്പിച്ച പ്രായോഗിക പരിശീലന പരിപാടി കോളേജ് എക്സിക്യൂട്ടീവ് ഡയറക്ടർ പ്രൊഫ. ജിബി വർഗീസ് ഉദ്ഘാടനം ചെയ്തു.

കോളേജ് പ്രിൻസിപ്പൽ പ്രൊഫ. ഇ.ഗോപാലകൃഷ്ണ ശർമ അധ്യക്ഷനായി.

കോളേജ് വൈസ് പ്രിൻസിപ്പൽ പ്രൊഫ. വി.എൻ.അനീഷ്, ഡീൻ അക്കാദമിക് ഡോ. ജയരാജു മാധവൻ, റിസർച്ച് ഡീൻ ഡോ. ശ്രീജിത്ത് രാജൻ, പ്രൊഫ. ആർ.രാഹുൽ, ഡോ. പി.ശ്രീജ, പ്രൊഫ. രാഖി ദാസ് എന്നിവർ പ്രസംഗിച്ചു. പ്രൊഫ. ഡി.ദിവ്യ, പ്രൊഫ. എസ്.ഷിനി, പ്രൊഫ. എ.ജി.അഖിൽ, ജഗദീഷ്, ശാലിനി, ദേവി എന്നിവർ ക്ലാസിന് നേതൃത്വം നൽകി.

REPORT OF WORKSHOP ON PYTHON AND ROBOTICS CONDUCTED BY EEE DEPARTMENT ASSOCIATION IN ASSOCIATION WITH SRISHTI CAMPUS

WORKSHOP ON PYTHON AND ROBOTICS

AT

UKF COLLEGE OF ENGINEERING AND TECHNOLOGY

ON 14-10-2022

SESSION DETAILS

Topic	:	Python and Robotics
Date and Timing	:	14th October 2022, 1.30 PM – 4 PM
Venue	:	SH 1
Resource Person	:	Mr. Sujith Surendran, Liason Officer, Srishti Campus. Mr. Jithin James, Trainer, Srishti Campus
Target audience	:	Students of S7 EEE

PROGRAM OBJECTIVES

The objective of the workshop on Python and Robotics is to empower participants with Python programming skills and to prepare them for careers at the intersection of technology and engineering.

PROGRAM SUMMARY

This workshop was designed to provide participants with a foundational understanding of Python programming and its application in the field of robotics, and it proved to be a valuable learning experience for all involved.

Key Highlights of the Workshop on Python and Robotics:

Python Fundamentals: The workshop began with a comprehensive introduction to Python programming by Mr. Jithin James, ensuring that participants, regardless of their prior coding experience, had a solid grasp of the language's fundamental concepts and syntax.

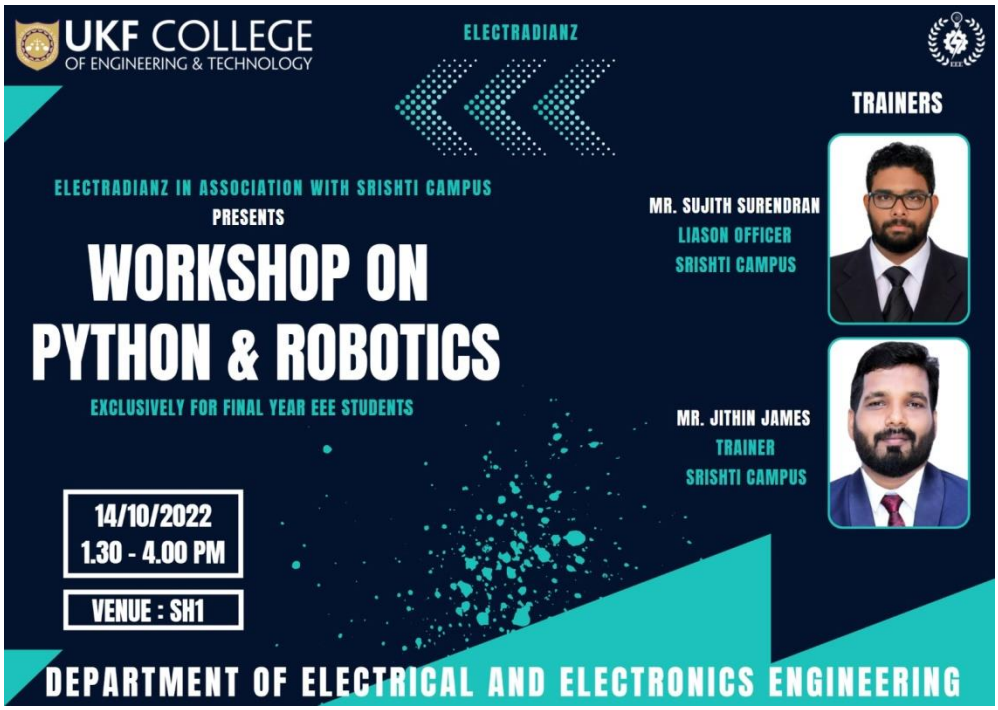
Robotics Basics: Attendees were introduced to the key principles of robotics, by Mr. Jithin James, including the components of robotic systems, sensors, actuators, and control mechanisms, providing a strong foundation for their subsequent robotics projects.

Inspiration for Further Learning: Many attendees expressed a newfound interest in pursuing more advanced studies in Python programming and robotics. The workshop served as a springboard for their future educational and career goals.

Interactive Learning Environment: The workshop provided a platform for interaction between participants and mentors, facilitating knowledge sharing, addressing questions, and creating an environment of collective learning.

Career Relevance: By emphasizing the practical applications of Python in the robotics field, the workshop underscored the relevance of these skills in emerging industries like automation, artificial intelligence, and autonomous systems.

In conclusion, the Introductory Workshop on Python and Robotics was a successful educational event, offering participants a comprehensive introduction to Python programming and its integration with robotics. The workshop not only provided foundational knowledge but also kindled interest in the exciting possibilities at the intersection of coding and robotics.



REPORT OF PREREQUISITE TALK

ON

A PATHWAY TO ELECTROMAGNETICS

AT

UKF COLLEGE OF ENGINEERING AND TECHNOLOGY

ON 9TH FEB 2023

ORGANIZED BY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, UKFCET

UKF COLLEGE
OF ENGINEERING & TECHNOLOGY

PRE-REQUISITE TALK

EEE

ELECTRADIANZ PRESENTS

A PATHWAY TO ELECTROMAGNETICS

Speaker: Dr. Premlet ,TKM

EXCLUSIVELY FOR S4 EEE

THURSDAY 9TH, 2023
10.00 AM

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LECTURE DETAILS

Topic of Lecture	:	**A Pathway to Electromagnetics**
Organized by	:	**Department of Electrical and Electronics Engineering, UKFCET**
Date and Timing	:	**9th February 2023, 10am to 12:30pm**
Venue	:	**SH1-Seminar Hall**
Speaker	:	**Dr. Premlet**., Former HOD and retired Professor in the department of Physics in TKM College of Engineering and Technology
Audience	:	**Students of S4 EEE and S6 ECE**, Faculties of EEE and ECE.

EXECUTIVE SUMMARY

The programme started with the presence of Principal E. G. Sharma and Executive director Prof. Jiby Varghese. The speaker, Dr. B. Premlet was welcomed by Dr. Sreeja P, HOD in EEE Department. She also gave the audience an idea about the background of the speaker

The lecture by the expert started straight away after the welcoming address. The lecture gave the students a brief idea about the importance and applications of electromagnetics in day today life. The speaker led the session in a very interactive manner and thereby offered the audience a good experience.

The session started with the applications of electromagnetics in the hall we occupied and then it moves on to the basics of electromagnetic theory. The expert then shows some practical examples of electromagnetic waves that we can do and it leads to a good understanding of the basic idea behind the electromagnetics. Then the session will be more interactive by including the students by asking them about the applications of electromagnetics in our daily lives. The session will be extended to the basic equations that define the electromagnetics and the expert will continue with writing the basic Maxwell's equations of electromagnetic theory and also, he makes understanding the students to how to learn the equations quickly and easily. The expert concluded the session with how to approach this tough subject in an easy way and also to understand the same. The students utilized this opportunity well to understand the basic concepts of electromagnetics and the topics. The students were understood which topic is most important in the vast electromagnetics.

The session was more interactive with the students and also the expert introduces one of his text books to study the concepts of electromagnetics easily. A tea break of 10 minutes was provided at11.00am. The session was concluded by 12.45pm which was followed by a 10 minutes question answer session.

OBJECTIVES OF THE LECTURE

1. To understand the students about the basic concepts of electromagnetics.

2. To introduce the basic aspects of the electromagnetics to the S4 EEE students as a part to start the subject electromagnetic theory.

3. To understand the students about the practical aspects about electromagnetics

4. To understand the students to learn electromagnetic easily

5. To aid the students in the right way to start the subject

OUTCOMES

1. The students realized the practical examples of electromagnetics.

2. The students learn about the importance of electromagnetics in electrical engineering.

3. The students were more interested in electromagnetics for the deep study.

GALLERY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PARIPPALLY KOLLAM
PRE-REQUISITE
TALK


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PARIPPALLY KOLLAM
ELECTROMAGNETIC THEORY
&
COMMUNICATION TECHNIQUES


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OF ENGINEERING & TECHNO
Parippall, Kollam

REPORT OF WORKSHOP ON DESIGN ENGINEERING 'DESIGN IT' CONDUCTED BY EEE DEPARTMENT ASSOCIATION ON 10-03-2023

DESIGN IT

AT

UKF COLLEGE OF ENGINEERING AND TECHNOLOGY

ON 10-03-2023

SESSION DETAILS

Topic	:	Design Engineering
Date and Timing	:	10th March 2023, Afternoon
Venue	:	A1 302
Faculties in charge	:	Shini S, AP EEE, Divya D, AP EEE
Target audience	:	S4, 2021-25 Batch students (EEE)

PROGRAM OBJECTIVES

- To invoke creative thinking and apply innovative design approaches.
- To develop group activity culture among students.

PROGRAM OUTCOMES

- To develop innovative, reliable, sustainable and economically viable designs incorporating knowledge in engineering.
- To communicate design thinking ideas within a community.

PROGRAM SUMMARY

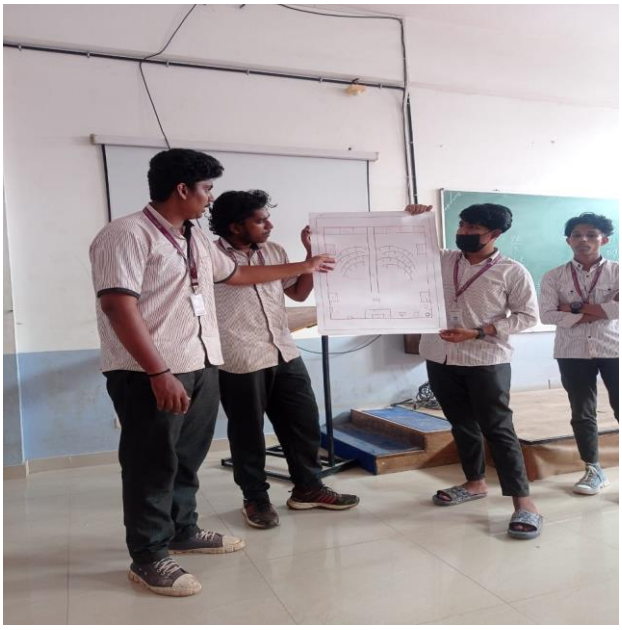
- The program started with the brief description about the session. The significance and relevance of design thinking in engineering domain was discussed with reference to the development of a mobile phone. It was also discussed about the importance of acquiring creative thinking skill for an engineering graduate.
- Later a group activity was conducted to invoke creative thinking among students. They were divided into small groups and given an existing situation or product and they were guided to think creatively to suggest any kind of improvisations. It was also ensured that all the students were actively participating in group discussion process. They were given chart papers and sketches to pictorially represent their ideas.
- They were given 40 minutes for group discussion and drawing. Once they have completed the discussions each group came forward and briefly presented their creative ideas. There were out of the box ideas came from each group and the session was productive and met the outcomes.

- Finally the program was concluded with a brief overview of the session by the staff in charges.
- The staff coordinators reviewed the presentation and chartwork of each group and announced the first, second and third positions in presence of Head of the Department, EEE.
- E – certificate for all winners and participants were issued.

GALLERY

- **Group discussion and drawing**

- **Group presentation**



- **Prize distribution session**

- First prize was awarded to group no :
- Group members : Vaishakh V M, Vipitha L, Vishnu B, Sudheep S Pillai

- Second prize was awarded to group no :
- Group members : Vismaya Vijayan, Akshay T S, Abhishek Aravind

- Third prize was awarded to group no :
- Group members : Aswin P S, Aromal Krishna A, Athul Krishna S J

Video link of the program :

https://www.instagram.com/reel/CpnMRBJjHZ4/?igshid=MzRlODBiNWFlZA==

REPORT OF KSEB EXPO CONDUCTED AS PART OF TECHNO CULTURAL FEST EKTHA 23

AT

UKF COLLEGE OF ENGINEERING AND TECHNOLOGY

ON 05-05-2023

SESSION DETAILS

Topic	:	WATT FEST (KSEB Expo)
Date and Timing	:	5th May 2023, 10 AM – 3.30 PM.
Venue	:	A1 DH, A1 308
Staff in charge	:	Jagadeesh Raj D, Shalini S, Deci C.
Target audience	:	Students from various institutions.

PROGRAM OBJECTIVES

- To familiarize about the components and devices used for general power distribution systems in Kerala.

PROGRAM SUMMARY

- The KSEB Expo 'WATTFEST' which took place on 5-5-2023 was a significant educational and informative event that showcased the various components essential to the efficient functioning of the electrical transmission and distribution network.
- Key Highlights of the KSEB Exhibition are as follows,
- Transformer Displays: The exhibition prominently featured various types of transformers like distribution transformers, special-purpose transformers etc. Detailed displays provided attendees with insights into the role of transformers in voltage conversion and electrical distribution.
- Circuit Breakers and Switchgear: KSEB exhibited a wide range of circuit breakers and switchgear equipment used in the transmission and distribution of electrical power.
- Transmission Towers and Lines: Visitors had the opportunity to explore models and displays of transmission towers and overhead power lines. These exhibits explained the significance of these components in transporting electricity over long distances.
- Insulators and Conductors: The exhibition highlighted the importance of insulators and conductors in ensuring the safe and reliable transmission of electricity. Attendees gained an understanding of the materials and design principles behind these components.

- Control and Protection Systems: KSEB provided insights into control and protection systems used in the transmission network. Attendees learned about the technologies and strategies employed to monitor, control, and safeguard the electrical grid.
- Safety Measures: Safety was a central theme of the exhibition, with a focus on the safety measures in place for the workers and the general public. KSEB provided demonstrations and educational materials on electrical safety protocols.
- Educational Outreach: The exhibition catered to a diverse audience, including students, professionals, and the general public. It served as an educational platform to inform attendees about the importance of the components in the transmission system and their role in delivering reliable electricity.
- In conclusion, the KSEB Exhibition of Components in Transmission System was a valuable educational and awareness-raising event. It successfully showcased the critical components that make up the electrical transmission network and emphasized the significance of safety, environmental responsibility, and modernization in the field. This exhibition contributed to enhancing public knowledge about the electrical transmission system's functioning and the efforts of KSEB to provide a reliable and sustainable electricity supply.

GALLERY

REPORT OF TECH EXPO CONDUCTED AS PART OF TECHNO CULTURAL FEST EKTHA 23

AT

UKF COLLEGE OF ENGINEERING AND TECHNOLOGY

ON 05-05-2023

SESSION DETAILS

Topic	:	CIRCUITCON, MOTORAMA, ELECTRIC LEGACIES
Date and Timing	:	5th May 2023, 10 AM – 3.30 PM.
Venue	:	A1 102, A1 302, A1 307
Staff in charge	:	Dhanya C S, Vidya Surendran, Shini S, Divya D, Rinku R S, Lekshmi Raj D
Target audience	:	Students from various institutions.

PROGRAM OBJECTIVES

- To familiarize about the components, devices and circuits associated power electronics and electrical machines.
- To familiarize with the history of electrical engineering.

PROGRAM SUMMARY

ELECTRIC LEGACIES :

The Electrical History Expo provided a fascinating journey through the evolution of electrical technology, showcasing key milestones from the early discoveries of electricity to the modern era of advanced power systems. Attendees gained insights into the pioneering work of inventors like Thomas Edison and Nikola Tesla. This informative event highlighted the transformative impact of electricity on society, industry, and everyday life. It served as a reminder of the remarkable progress and innovation in the field of electrical engineering.

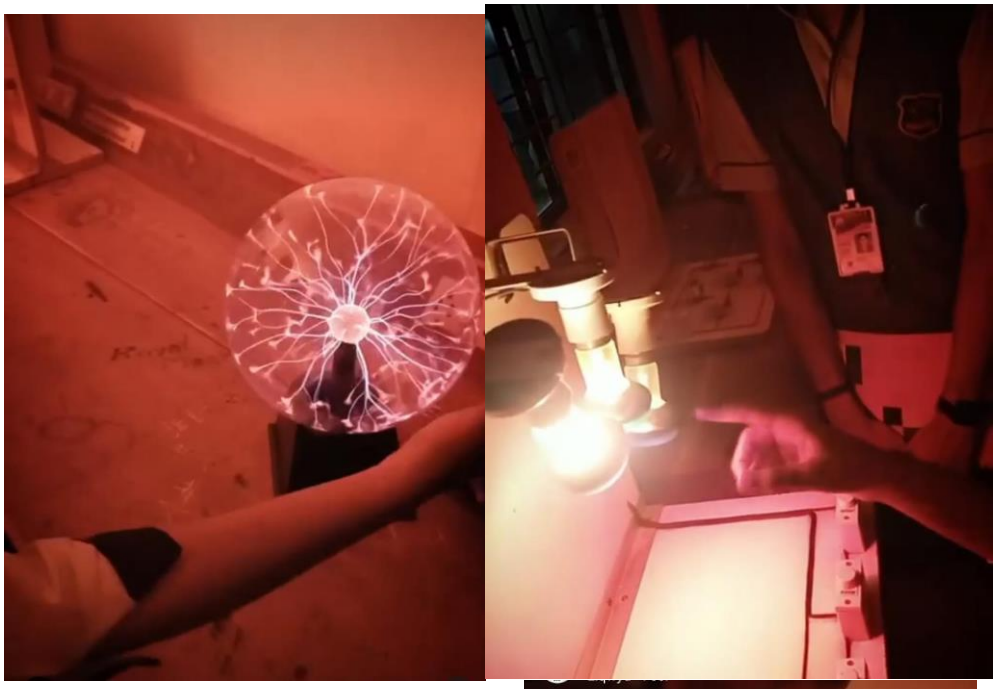
MOTORAMA

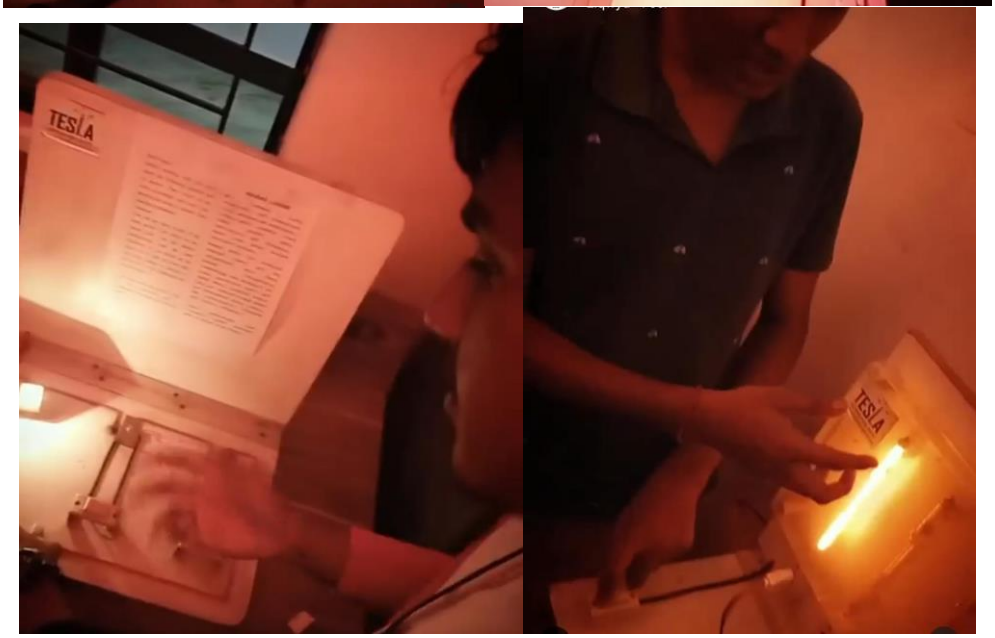
The Basic Electric Machines Expo offered a fundamental understanding of electrical principles and simple machine operations. Attendees explored the workings of basic motors, generators, and transformers, gaining foundational knowledge in electrical engineering. This educational event provided an accessible introduction to the core concepts of electric machines, catering to students and enthusiasts seeking a foundational understanding of electrical systems.

CIRCUITCON

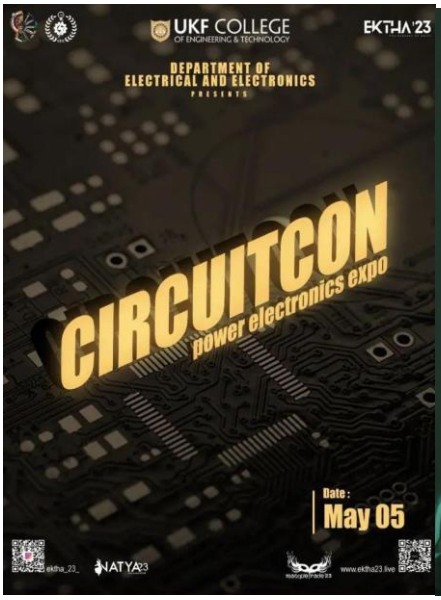
The Power Electronics Components Expo offered a comprehensive view of basic components in the field of power electronics. Attendees explored basics of technologies like semiconductor devices, converters etc., highlighting their role in efficient power management. This event emphasized the critical importance of power electronics components in renewable energy, electric vehicles, and smart grids.

GALLERY






Electrical
LEGACY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ELECTRICAL AND ELECTRONICS
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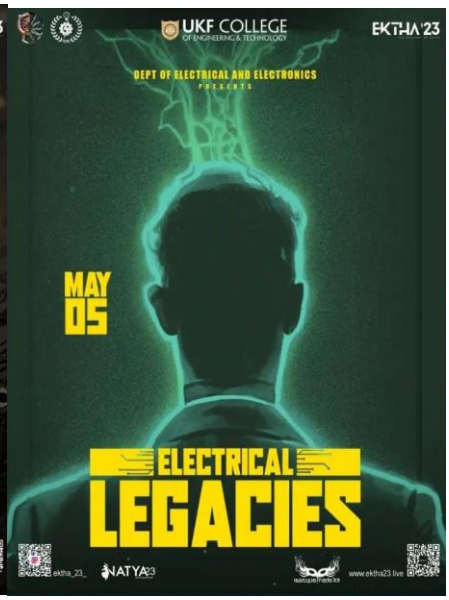
UKF COLLEGE
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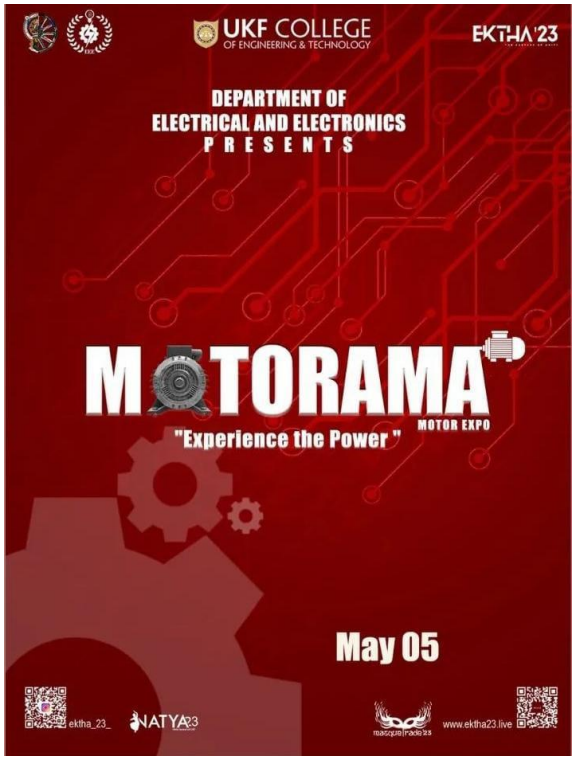
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ELECTRICAL AND ELECTRONICS
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MOTOR EXPO
"Experience the Power"
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TATA-JYOTHI Integrated Industrial Incubation Center (IIIC)

VISIT REPORT

Date: September 16, 2023

Participants: 24 Students and 9 Faculty Members

SL NO	STUDENT NAME	STAFF NAME
1	ABHINAV APPU	RAKHI DAS
2	ADHITHYAN S	AKHIL AG
3	ADWAITH SHAJI	SHINI S
4	AKASH VIJAYAN	DHANYA CS
5	ANANTHAN M	VIDYA SURENDRAN
6	ANJALI ROY	RAHUL R
7	ANUPAMA ASOKAN	ATHIRA CHANDRAN
8	ASHWIN R SAJI	LEKSHMIRAJ D
9	ATHUL J SANKAR	DIVYA D
10	BALU S KUMAR	
11	GAYATHRI V S	
12	GURUKRISHNAPRASAD	
13	MANEESHA MOHAN	
14	MEHA M G	
15	MITHRA M LAL	
16	NAVAMI J	
17	NITHYA B	
18	NOUFIYA N	
19	PRARTHANA U KUMAR	
20	RITHVIN R PRASAD	
21	SRETHA R KRISHNAN	
22	VAISHNAV R D	
23	VEENA S	
24	ABHIJITH	

INTRODUCTION

On September 16, 2023, a group of 24 students from S7 EEE and 9 faculty members from UKF COLLEGE OF ENGINEERING AND TECHNOLOGY embarked on an educational industrial visit to the TATA-JYOTHI Integrated Industrial Incubation Center (IIIC), Thrissur. The purpose of this visit was to gain insight into the cutting-edge research and development activities related to electric vehicles (EVs) and explore the role of technology in the automotive industry.

Arrival and Reception

We arrived at the TATA-JYOTHI IIIC Electric Vehicle Lab at 10:30 AM. The facility is located on the outskirts of the city and is easily accessible. We were warmly welcomed by the staff. The visit commenced with an introduction session where the centre's mission and objectives were explained. We were informed that the IIIC primarily focuses on nurturing start-ups and entrepreneurs by providing them with state-of-the-art infrastructure, mentorship, and resources.

OVERVIEW OF THE ELECTRIC VEHICLE LAB

The Electric Vehicle Lab at TATA-JYOTHI IIIC is a state-of-the-art facility dedicated to research and innovation in the field of electric vehicles. The lab is well-equipped with the latest technology and machinery to support research, development, and prototyping of electric vehicles. During our visit, we had the opportunity to see the following:

Battery Testing and Research Area: We were shown the advanced battery testing equipment used for analysing battery performance, capacity, and safety. The staff explained the importance of battery technology in the EV industry and the on-going research to improve energy storage.

Motor and Drive Systems: The lab showcased various types of electric motors and drive systems used in EVs. The students had a chance to understand the working principles and efficiency of these components.

Charging Infrastructure: The facility had a demonstration area for different types of EV charging stations, including fast chargers and wireless charging technology. This was particularly informative as it highlighted the importance of charging infrastructure in the adoption of EVs.

EV Prototyping Area: We were given insights into the process of designing and prototyping electric vehicles. The students observed the various stages of vehicle development, from design on CAD software to physical fabrication.

Research Projects: The staff discussed on-going research projects related to EV technology, including energy management systems, regenerative braking, and sustainable materials for EV components.

INTERACTION WITH RESEARCHERS

One of the highlights of our visit was the interaction with the researchers and engineers working at the Electric Vehicle Lab. They patiently answered questions from both students and faculty members, sharing their experiences and insights into the challenges and opportunities in the EV industry.

KEY TAKEAWAYS:

Our visit to the TATA-JYOTHI IIIC was highly enlightening. Some of the key takeaways from the visit include:

- The importance of innovation and entrepreneurship in today's industrial landscape.
- The role of incubation centres in providing essential support to start-ups and entrepreneurs.
- The significance of collaboration, mentorship, and access to cutting-edge technology in nurturing start-ups.
- The inspiring success stories of entrepreneurs who have benefited from the IIIC's programs

CONCLUSION

Our visit to the TATA-JYOTHI IIIC Electric Vehicle Lab was highly informative and educational. It provided valuable exposure to the latest developments in electric vehicle technology and research. The students and faculty members gained a deeper understanding of the EV industry's potential and its significance in the context of sustainable transportation.

We express our sincere gratitude to the TATA-JYOTHI IIIC team for their warm hospitality and for organizing this enlightening visit. This experience has undoubtedly enriched our knowledge and will contribute to our academic and research endeavours in the future.

GALLERY


K AND PLACE
ROBOT


TATA

Industrial Visit Report

Kshema Power and Infrastructure Pvt. Ltd.

200 MW Hybrid Renewable Energy Sector (Wind and Solar)

Kayathar, Thirunelveli

Organized By: UKF College of Engineering and Technology

Participants:

- 7 Staff Members
- 22 Students

Introduction:

The industrial visit to Kshema Power and Infrastructure Pvt. Ltd. was organized by UKF College of Engineering and Technology with the aim of providing our students with practical exposure to the renewable energy sector and power infrastructure management. The visit took place on 23rd September 2023, and it included a tour of the 200 MW Hybrid Renewable Energy Sector and the 33 kV Substation located in Kayathar, Thirunelveli.

Objective:

The main objectives of the industrial visit were as follows:

1. To understand the working of a 200 MW Hybrid Renewable Energy Sector incorporating both wind and solar energy.
2. To observe the operational aspects, maintenance, and safety measures employed in a large-scale renewable energy project.
3. To gain insights into the functioning and management of a 33 kV Substation.

Visit Highlights:

1. **Introduction to Kshema Power and Infrastructure Pvt. Ltd.:** The visit commenced with a warm welcome and introduction to Kshema Power and Infrastructure Pvt. Ltd. The company's representative provided an overview of the organization's history, mission, and its commitment to renewable energy.

2. **200 MW Hybrid Renewable Energy Sector:** The highlight of the visit was the tour of the 200 MW Hybrid Renewable Energy Sector. Students and staff members were given the opportunity to see the massive wind turbines and solar panels in action. The following key points were highlighted during the visit:

    - The integration of wind and solar energy generation, which optimizes power production.
    - Monitoring systems and data analytics used for real-time performance tracking.
    - Environmental impact and sustainability measures taken by the company.

3. **Safety Measures:** The company emphasized the importance of safety in the renewable energy sector. We were briefed on the safety protocols followed, including regular equipment inspections, safety training, and emergency response procedures.

4. **Maintenance and Operations:** The students were able to witness the maintenance activities being carried out on wind turbines and solar panels. The technicians explained the routine checks, repairs, and preventive maintenance schedules.

5. **33 kV Substation:** After the renewable energy sector tour, we proceeded to the 33 kV substation. Here, students learned about the role of substations in power distribution, voltage regulation, and grid connectivity. The operation of switchgear and transformers was demonstrated.

Conclusion:

The industrial visit to Kshema Power and Infrastructure Pvt. Ltd. was a highly informative and educational experience. It provided our students with valuable insights into the renewable energy sector and substation operations. Witnessing the practical aspects of a 200 MW hybrid renewable energy project and the functioning of a 33 kV substation was both enlightening and inspiring for all participants.

The visit has enriched our students' understanding of renewable energy technologies, their importance in combating climate change, and the career opportunities available in this growing sector. We are grateful to Kshema Power and Infrastructure Pvt. Ltd. for their hospitality and willingness to share their expertise with our group.

Acknowledgment:

We extend our sincere gratitude to the management and staff of Kshema Power and Infrastructure Pvt. Ltd. for hosting our visit and providing valuable insights into the renewable energy and power infrastructure sectors. We also appreciate the support and cooperation of our college management, staff and students, whose enthusiasm made this visit a success.

2021-22

UKF COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PRAGMATIC SEASON-1

PROGRAM SCHEDULE (17/3/2021-22/3/2021)

Day 1

- 9:00 AM - 9:30 AM: Registration and Welcome
- 9:30 AM - 10:00 AM: Inauguration
- 10:00 AM - 11:30 AM: Introduction to Pragmatic Season 2
- 11:30 AM - 11:45 AM: Morning Break
- 11:45 AM - 1:00 PM: Machines Lab experiments (Hands-On Training)
- 1:00 PM - 2:00 PM: Lunch Break
- 2:00 PM – 4.10 PM: Machines Lab experiments (Hands-On Training)

Day 2

- 9:00 AM - 9:30 AM: Review of Day 1
- 9:30 AM - 11:00 AM: Machines Lab experiments (Hands-On Training)
- 11:00 AM - 11:15 AM: Morning Break
- 11:15 AM - 12:30 PM: Machines Lab experiments (Hands-On Training)
- 12:30 PM - 1:30 PM: Lunch Break
- 1:30 PM - 4:10 PM: Machines Lab experiments (Hands-On Training)

Day 3

- 9:00 AM - 9:30 AM: Review of Day 2
- 9:30 AM - 11:00 AM: Measurements lab experiments
- 11:00 AM - 11:15 AM: Morning Break
- 11:15 AM - 12:30 PM: Measurements lab experiments (Hands-On Training)
- 12:30 PM - 1:30 PM: Lunch Break
- 1:30 PM - 4:10 PM: Measurements lab experiments (Hands-On Training)

Day 3:

- 9:00 AM - 9:30 AM: Review of Day 3
- 9:30 AM - 11:00 AM: Power system lab experiments (Hands-On Training)
- 11:00 AM - 11:15 AM: Morning Break
- 11:15 AM - 12:30 PM: Power system lab experiments (Hands-On Training)
- 12:30 PM - 1:30 PM: Lunch Break
- 1:30 PM - 2:00 PM: Valedictory function

Program Report

"Pragmatic season 1" Class B Supervisory License Training Program

Program Overview: The "Pragmatic" Class B Supervisory License Hands-On Training Program was a comprehensive training event organized by the Department of Electrical and Electronics Engineering. The program spanned three days and provided participants with valuable hands-on experience and knowledge related to electrical engineering and power systems.

Day 1:

- The program began with registration and a warm welcome, allowing participants to familiarize themselves with the event and fellow attendees.
- The inauguration ceremony marked the official commencement of the training program, setting a positive tone for the days ahead.
- Participants were introduced to the content and objectives of "Pragmatic Season 1."
- The morning break provided a brief respite, allowing participants to recharge for the intensive hands-on training sessions.
- The rest of the day was dedicated to Machines Lab experiments, offering participants practical experience in this crucial area of electrical engineering.
- The program continued after a well-deserved lunch break, with further hands-on training in the Machines Lab.

Day 2:

- The second day commenced with a review of the previous day's activities, ensuring that participants could consolidate their learning.
- The day featured the Measurements Lab experiments, which allowed participants to apply their knowledge to practical situations.
- The morning break provided a chance for participants to discuss their experiences and exchange insights.
- The afternoon session continued the hands-on training in the Measurements Lab, providing participants with a deeper understanding of this critical aspect of electrical engineering.

Day 3:

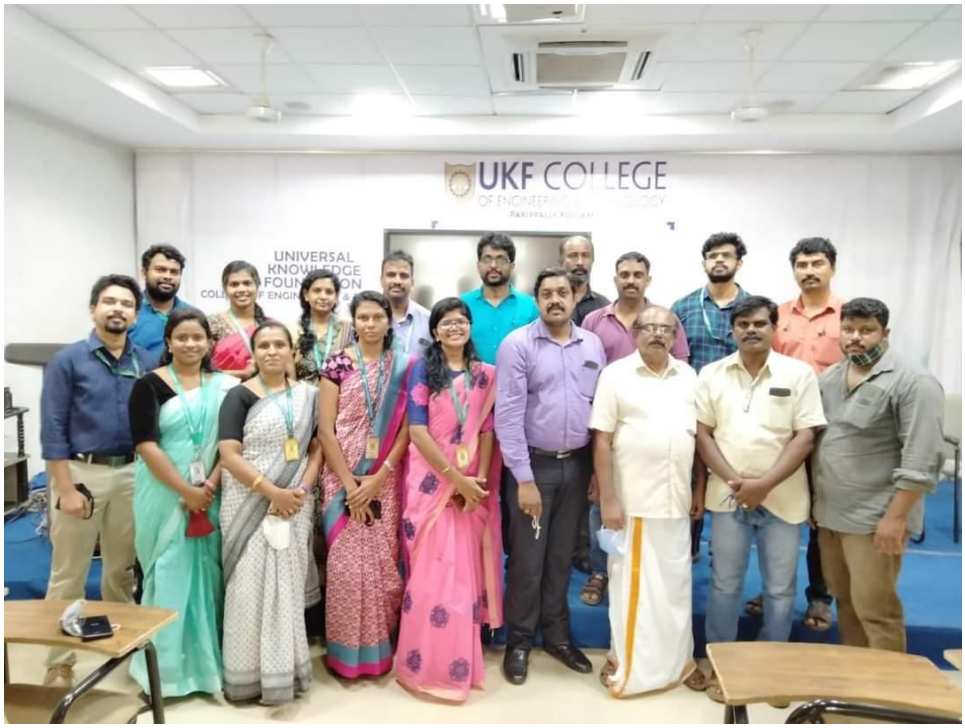
- Day 3 began with a review of the second day, helping participants to recap their experiences and learning.
- Power System Lab experiments were the focus of the day, offering participants a chance to work with real-world power systems.
- The morning break once again facilitated networking and knowledge sharing.
- The afternoon continued with hands-on training in the Power System Lab, allowing participants to explore and apply their knowledge to practical scenarios.
- The program concluded with a valedictory function, recognizing the achievements of participants and expressing gratitude for their participation.

Feedback and Evaluation: The "Pragmatic" training program received highly positive feedback from the participants. They appreciated the hands-on training, the quality of the lab experiments, and the well-organized structure of the program. The positive feedback is a testament to the effectiveness and value of the training provided.

Acknowledgments: The success of the "Pragmatic" Class B Supervisory License Hands-On Training Program would not have been possible without the dedication of the organizers, including the Vice Principal, HOD, and the Event Coordinators: Anju C S ,Akhi A.G and Rahul R. Their hard work and commitment contributed to the overall success of the program.

Future Plans: Based on the success of the inaugural program, there are plans to continue and expand the "Pragmatic" training series, providing even more valuable experiences and knowledge to future participants.

Conclusion: The "Pragmatic" Class B Supervisory License Hands-On Training Program was a resounding success, offering participants practical experience and knowledge in the field of electrical engineering. The positive feedback and appreciation expressed by the participants reflect the program's high quality and its contribution to the field of electrical engineering education.



HOARD TO RETAIN

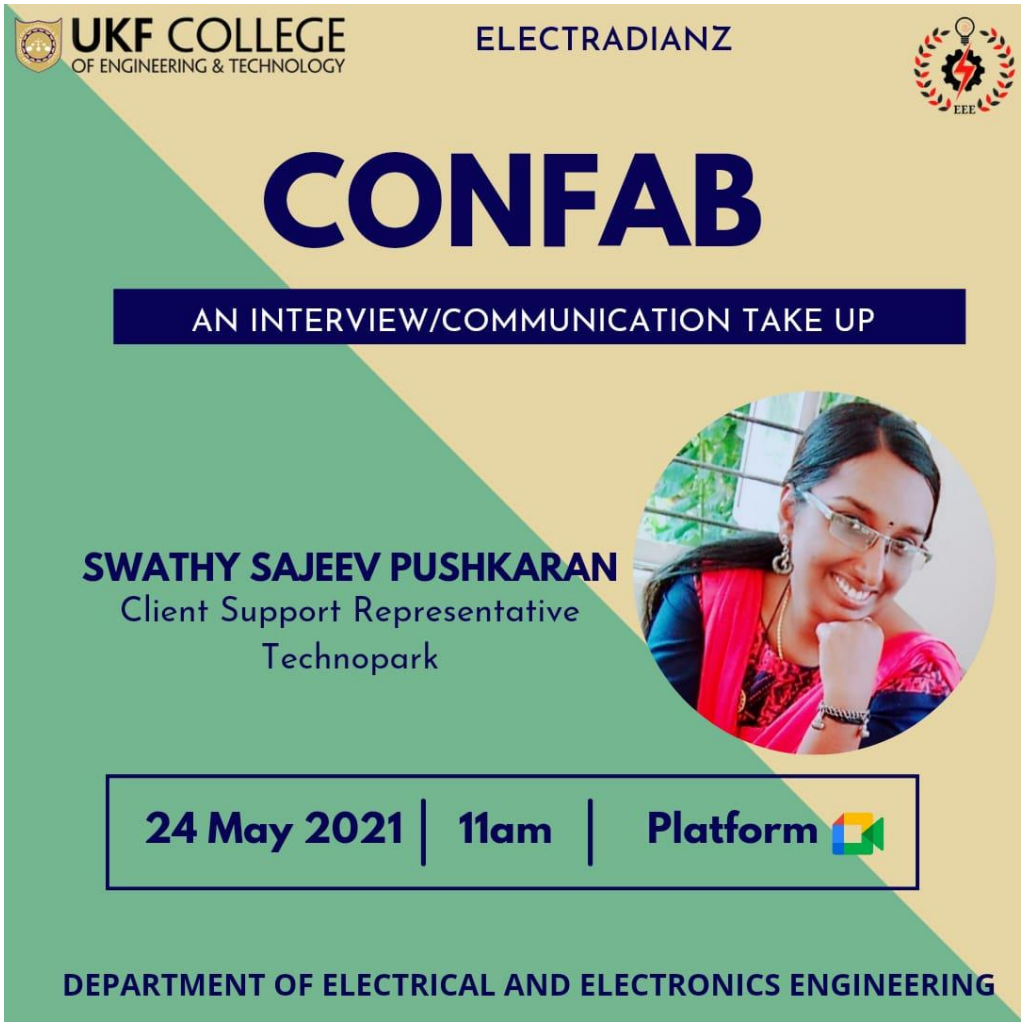
DATE : May 9 – 11, 2021.

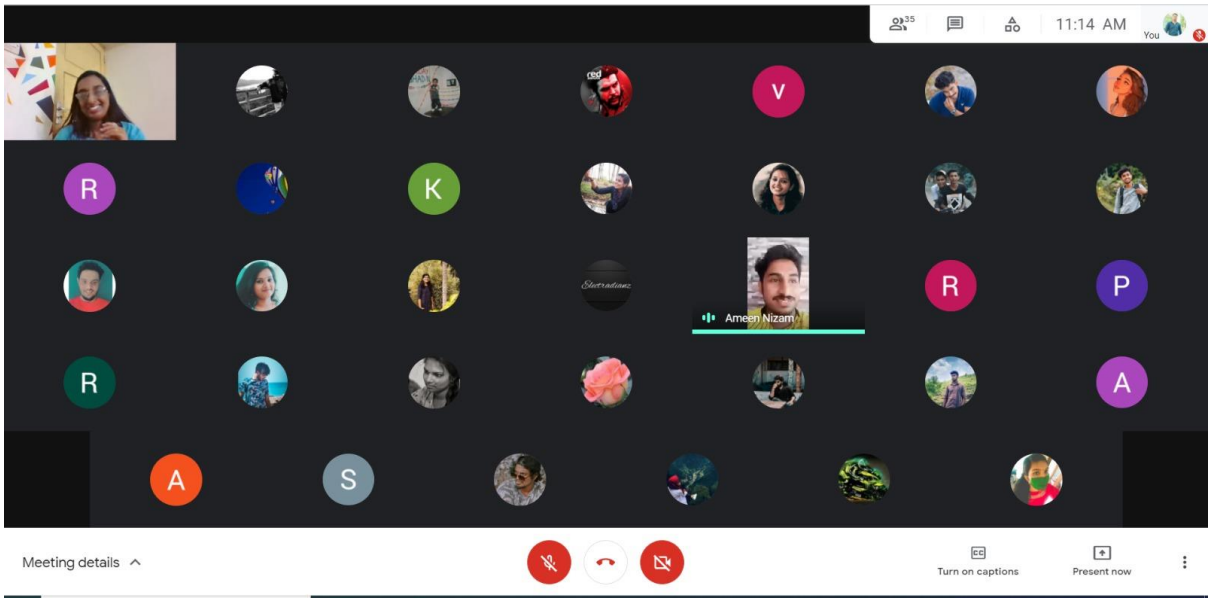
This 7 day workshop was based on the point of energy conservation initiative from home itself for the future. The prime motive was to create awareness regarding the need of energy saving through energy auditing by students. Workshop started with an energy expert talk by Ms.Praveena Krishna L ,HOD,EEE,UKFCET. We conducted energy auditing for the first three days and did conserve the energy by limiting the usage for the next three days and a detailed analysis was done by the end of the workshop.

CONFAB

DATE : 24 May 2021

Group discussions and interviews have always been a great barrier for students for their career start. In view of this CONFAB was arranged for guiding our students to overcome the stress during the interview process. Ms. Swathy Sajeev Pushkaran, Client Support Representative, Technopark who is an alumni of EEE Department has handled the session and has taken a great step in focusing the participants individually which have made the session extended for almost 5 hours.

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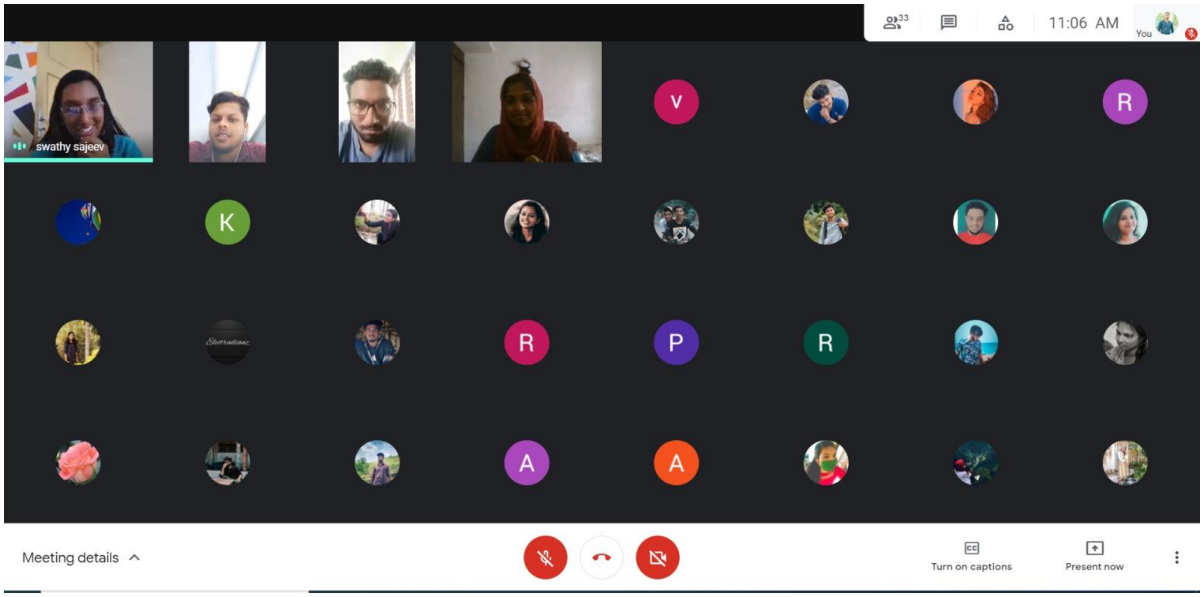
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swathy sajeev
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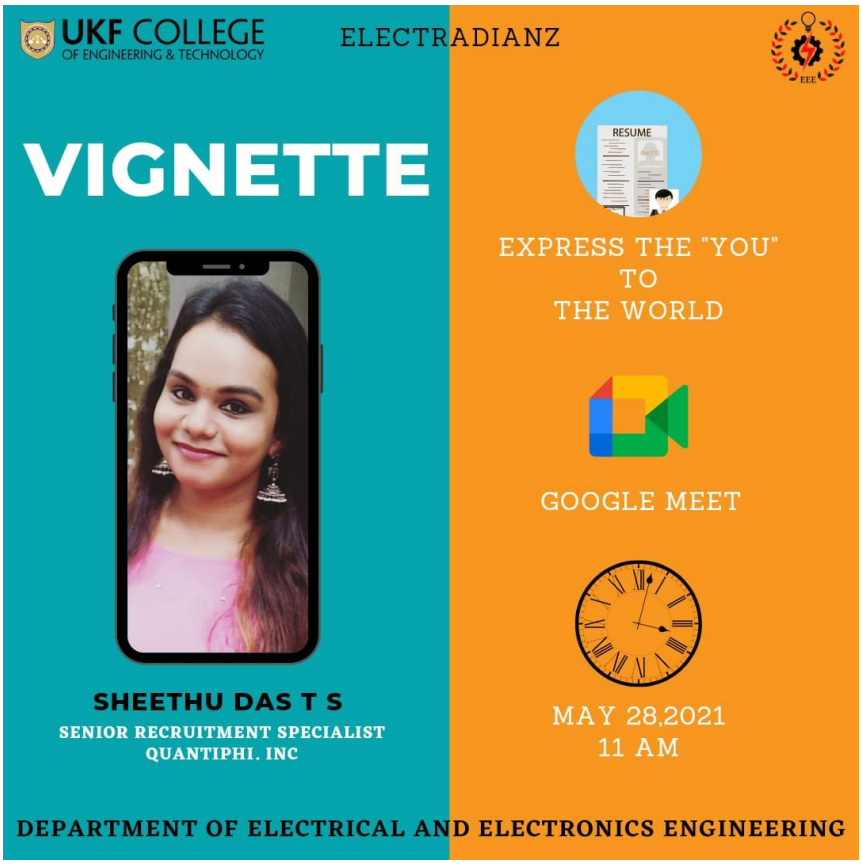
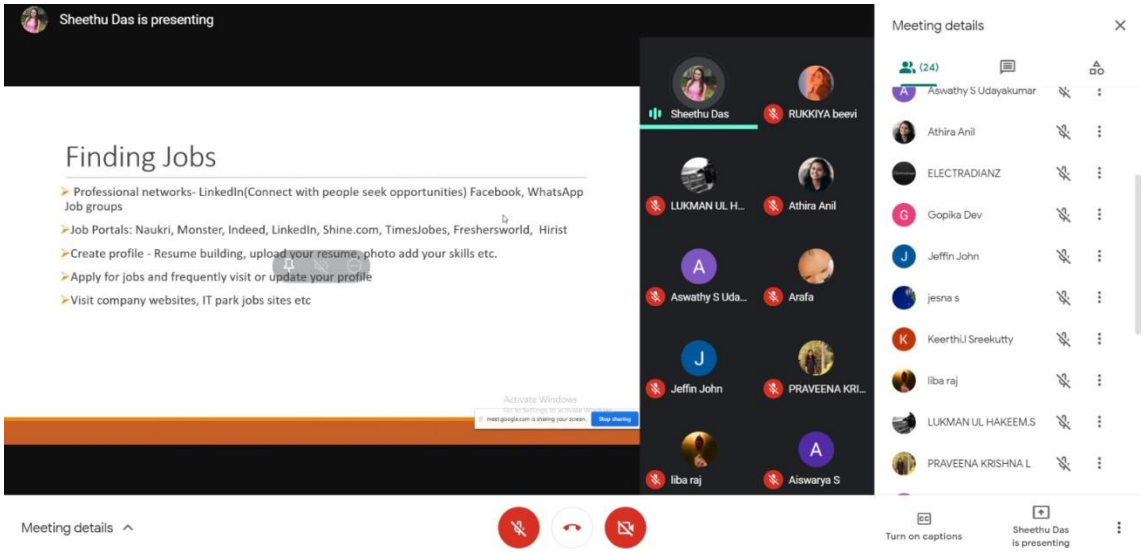
VIGNETTE

DATE : 28 May 2021

A good resume is the stepping stone to success for an engineering college outgoing student. In view of this a resume workshop was arranged to improve the quality and outcome of their resumes. Ms. Sheethu Das T S who is working as Senior recruitment specialist at quantiphi, INC has handled the session with great enthusiasm and made model resumes from each students after the session.




Sheethu Das is presenting
Finding Jobs
Professional networks- LinkedIn(Connect with people seek opportunities) Facebook, WhatsApp Job groups
Job Portals: Naukri, Monster, Indeed, LinkedIn, Shine.com, TimesJobes, Freshersworld, Hirist
Create profile - Resume building, upload your resume, photo add your skills etc.
Apply for jobs and frequently visit or update your profile
Visit company websites, IT park jobs sites etc
Sheethu Das
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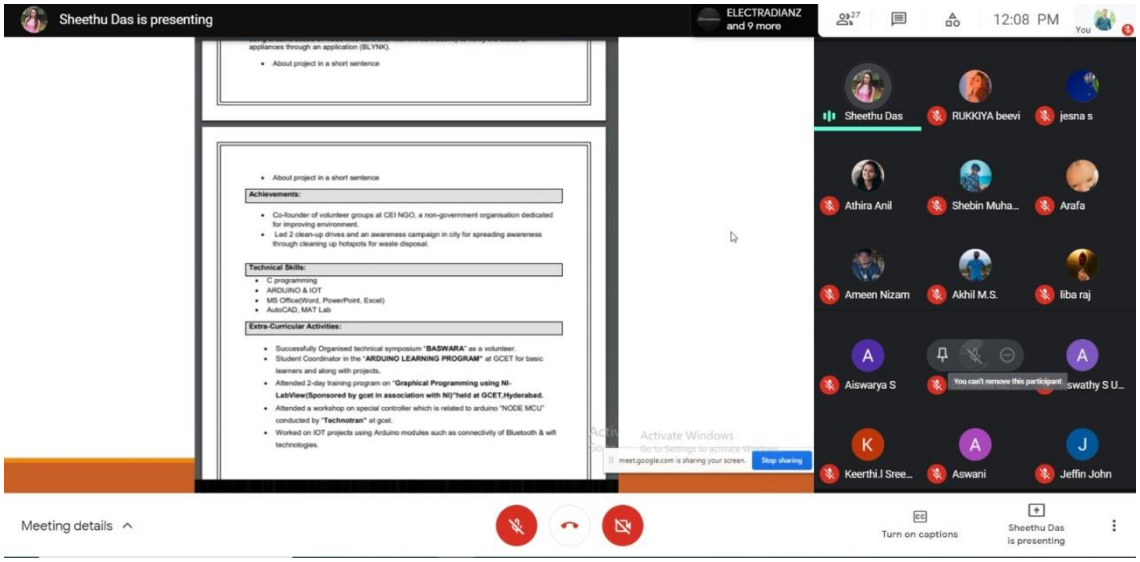
Sheethu Das is presenting
ELECTRADIANZ and 9 more
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About project in a short sentence
Achievements:
Co-founder of volunteer groups at CEI NGO, a non-government organisation dedicated for improving environment.
Led 2 clean-up drives and an awareness campaign in city for spreading awareness through cleaning up hotspots for waste disposal.
Technical Skills:
C programming
ARDUINO & IOT
MS Office(Word, PowerPoint, Excel)
AutoCAD, MAT Lab
Extra-Curricular Activities:
Successfully Organised technical symposium "BASWARA" as a volunteer.
Student Coordinator in the "ARDUINO LEARNING PROGRAM" at GCET for basic learners and along with projects.
Attended 2-day training program on "Graphical Programming using NI-LabView(Sponsored by gcet in association with NI)"held at GCET,Hyderabad.
Attended a workshop on special controller which is related to arduino "NODE MCU" conducted by "Technotran" at gcet.
Worked on IOT projects using Arduino modules such as connectivity of Bluetooth & wifi technologies.
Sheethu Das
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Arafa
Ameen Nizam
Akhil M.S.
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Sheethu Das is presenting

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

2ND NATIONAL CONFERENCE ON RECENT TRENDS IN ELECTRICAL, ELECTRONICS AND COMPUTING TECHNOLOGIES – 2K21(RTEECT-2K21)

PROGRAM SCHEDULE

Date: 9th & 10th JUNE 2021

<table>
<tr><td>Day</td><td colspan="3">Session I
10.00am to 01.00pm</td><td>Session II
02.00 to 4.30pm</td></tr>
<tr><td rowspan="2">09.06.2021</td><td>10.00am to 10.45am</td><td>10.45am to 11.45am</td><td>12.00am to 01.00pm</td><td rowspan="2">Paper Presentation

CSE Track</td></tr>
<tr><td>Inaugural Ceremony</td><td>Expert Talk
“Overview of Testing in CPRI for Development of Power System in our Country”
Er. J. Santhosh,
Former Additional Director & Unit Head,
CPRI, Bhopal</td><td>Paper Presentation

EEE Track</td></tr>
<tr><td rowspan="2">10.06.2021</td><td>10.00am to 11.00am</td><td colspan="2">11.00am to 01.00pm</td><td rowspan="2">Paper Presentation

ECE Track</td></tr>
<tr><td>Expert Talk
“Electric Vehicle Communication”
Dr. Nithin S
Asst. Professor / EEE,
Amrita Vishwa Vidyapeetham,
Coimbatore</td><td colspan="2">Paper Presentation

EEE Track</td></tr>
</table>

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

2ND NATIONAL CONFERENCE

ON

RECENT TRENDS IN ELECTRICAL, ELECTRONICS AND COMPUTING TECHNOLOGIES – 2K21(RTEECT-2K21)

9th & 10th JUNE 2021

PRESENTATION SCHEDULE

Date: 09.06.2021 Time: 12.00 pm to 01.00 pm

Session-in-charge: Prof. Akhil A G & Prof. Dhanya CS

Contact No: 9744964012

Paper id	Title	Authors	College	Track
9	Battery Interface PV System with MPPT with DCDC Buck Converter	Bismija K Jafar Batharul Muneer M S Muhammad Salman S Asuma A Bushra B N Jisilamol S	MES Institute of Technology and management Kollam, India	EEE
5	Smart Goggles for visually impaired	Ms. Alfina Sulfikar B Mr. Vishnu Vijayan Mr. Akhil A.G Ms. Akshaya Raghu	UKF College of Engineering and Technology Kollam, India	EEE
21	Electric Hoverboard	Ms.Athira. AJ Mr.Lukman Ul Hakeem Ms. Rejna. J Ms. Praveena Krishna. L	UKF College of Engineering and Technology Paripally, Kollam	EEE

Date: 09.06.2021 Time: 02.00 pm to 04.30 pm

Session-in-charge: Prof. Athira Chandran & Prof. Rahul

Contact No: 9048553602

Paper id	Title	Authors	College	Track
6	INTELLIGENT TRAFFIC CONTROL SYSTEM	Christo Alias Jerin Pease Pranav S Nair Muhsin Muhammed Meenu Varghese	Ilahia college of engineering and technology Muvattupuzha, India	CSE
7	Survey Based on Students' Performance Prediction Using Various Online Techniques	Aparna Baiju Athira Babu M Bincy Baby Sisira P Sasi Neha Beegam P E	Ilahia college of engineering and technology Muvattupuzha, India	CSE
17	TUTORBOT: A CONTEXTUAL LEARNING GUIDE FOR SOFTWARE ENGINEERS	Amal Johny Amal Rasique Muhammed Nadeem P N Shanavs K A	Ilahia College of Engineering & Technology Muvattupuzha, Kerala, India	CSE
24	Survey on Fraud Apps Detection using Sentiment Analysis	Suhair K M Suhail K M Muhammed Suroor M A Anwar Sadath T M Neha Beegam P E	Ilahia College of Engineering and Technology Muvattupuzha, India	CSE
33	MEDICAL FACE MASK DETECTION USING CNN	Archana Pushparaj Raji Rajendran Sophia BJ Vishnupriya PB Al shaina.S	UKF College of Engineering and Technology, Kollam	CSE
35	AFFORDABLE BIONIC ARM USING ELECTROMYOGRAPHY	Aswin A S, Firos Khan N, Harikrishnan D, Thomas Amal Ambrose Dr. Ramani K	UKF College of Engineering and Technology, Kollam	CSE

Date: 10.06.2021 Time: 11.00 am to 01.00 pm

Session-in-charge: Prof. Vidhya Surendran

Contact No: 9567137897

Paper id	Title	Authors	College	Track
30	ASSESSMENT OF OPTICAL PROPERTIES OF ZnO THIN FILMS DEPOSITED ON DISSIMILAR SUBSTRATES	M. Manvizhi, S. Murugan, R. Selvaganapathy	A.V.C. College (Autonomous), Mayiladuthurai, Tamil Nadu, India.	EEE
31	Automatic Sol-gel Technique Based Analysis on Optical Properties in ZnO Thin Films	M. Manvizhi, S. Murugan, R. Selvaganapathy	A.V.C. College (Autonomous), Mayiladuthurai, Tamil Nadu, India	EEE
3	SMART IRRIGATION CARE UNIT	Abhirami.R Athira Anil Muhammed Shebin Athira chandran	UKF college of Engineering and Technology Parippally ,kollam	EEE
4	Health Monitoring System for Dairy Cows	Adresh S Shyam S Mr. Akhil AG Sreehari S	UKF college of Engineering and Technology Parippally ,kollam	EEE
8	IoT Based Smart Home Automation System Over The Cloud	Abhijith R Archa Thampi Mohaideen Irshad Revathi Rajendran B Dr Derrick Mathew	UKF College of Engineering & Technology Kollam, India	EEE
22	AUTOMATIC RAILWAY GATE CONTROL SYSTEM	Al Ameen Nizamudeen Syam Krishna KS Jeffin John Jasmin B Mrs Anju CS	UKF College of Engineering and Technology Paripally, Kollam	EEE
23	AUTOMATIC WASTE BIN	Prajod C G Abhishek S Unnimaya S Akshara H Mr Rahul R	UKF College of Engineering and Technology Kollam, India	EEE
27	Alcohol Sensing Alert with Engine Locking System	Kanishka Jose Arya S Sangeeth M Raj Sarath M Vidya Surendran	UKF College of Engineering and Technology Kollam, India	EEE
28	DRONE VOLTAGE TESTER	Athul Babu A Jesna S Rahul J P Sumin Kumar Dhanya C S	UKF College of Engineering and Technology Kollam, India	EEE

Date: 10.06.2021 Time: 02.00 pm to 04.30 pm

Session-in-charge: Prof. Lekshmiraj D

Contact No: 9048805286

Paper id	Title	Authors	College	Track
10	IOT BASED SMART AGRICULTURE MONITORING AND ALERTING SYSTEM	Dr. Muhammed Anshad P Y Divyamol NJ Abhijith VA Jithesh Jayakumar Sreeresmi MS	Vidya Academy of Science &Technology Vidya Academy of Science &Technology Technical Campus, Kilimanoor, India	ECE
11	Braille Based Communication Gloves	Anjani S, Aishwarya Anil, Donymon Jomon, Jyothi Biju, Juney M George	St.Joseph's College of Engineering and Technology Palai, India	ECE
12	Design of CPW-Fed Monopole Multiband Trident Shaped Antenna for 5G Communication	Adithya Ramachandran B P, Ajeesh K, Aswanth M, Bijubal N Sajith K	GEC Wayanad	ECE
13	Triband CPW Fed VEL Shaped Monopole Antenna for 5G Applications	Bijubal N B, Adithya Ramachandran B P, Ajeesh K, Aswanth Mohanan Sajith K	GEC Wayanad	ECE
14	Multiband CPW Fed Y-Shaped Monopole Antenna Design for 5G applications	Ajeesh K , Adithya R B P , Aswanth M , Bijubal N B Sajith K	GEC Wayanad	ECE
15	CPW Fed Inverted E Slot Monopole Antenna Design for 5G Applications	Aswanth Mohanan, Adithya Ramachandran B P, Ajeesh K, Bijubal N B Sajith K	GEC Wayanad	ECE
25	Design of Double Folded Dipole Shape Multiband Antenna for mm-Wave Applications.	Ajeesh K Adithya R B P Aswanth M Bijubal N B Sajith K	GEC Wayanad	ECE
26	Design of Compact CBCPW fed Monopole Antenna ECG monitoring Applications	Sajith K, Jobin Jose, and Reeha K R Assistant Professors K. Bharath Kumar, Associate Professor	GEC Wayanad	ECE

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#ELECTRADIANZ

Department of Electrical and Electronics Engineering invites you to

2nd National Conference

RTEECT-2K21

Theme: Recent trends in Electrical Electronics and Computing Technologies

June 9th & 10th 2021
Online Event via
Google Meet

Explore in detail :
https://ukfcet.ac.in/education4.0/conference

For enquiries contact : Dr. Ben John Stephen S : 9952262775

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

June 9 to Am

RTEECT-2K21

INAUGURATION SCHEDULE

WELCOME ADDRESS	DR. S BEN JOHN STEPHEN (Conference Chair)
PRESIDENTIAL ADDRESS	DR. E GOPALAKRISHNA SHARMA (Principal,UKFCET)
INAUGURAL ADDRESS	MRS. AMRITHA PRASOBH (Director,UKFCET)
KEYNOTE ADDRESS	ER. J SANTHOSH (Former Additional Director,CPRI, Bhopal)
SPECIAL ADDRESS	PROF. JIBY VARGHESE (Executive Director,UKFCET)
FELICITATION	PROF. ANEESH V N (Vice Principal,UKFCET) DR. MADHUSOODANAN PILLAI K (HOD,ME, UKFCET) DR. RAMANI K (HOD,CSE, UKFCET) SRI. SUNDARESAN A (PTA Patron, UKFCET)
VOTE OF THANKS	PROF. PRAVEENA KRISHNA L (HOD,EEE, UKFCET)

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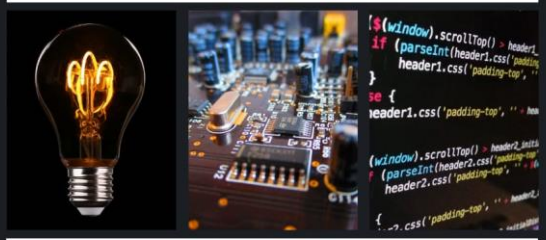
SCHEDULE TO LOOK FORWARD

INAUGURAL CEREMONY

JUNE 9,2021 10AM

EXPERT TALK

JUNE 9,2021 11AM



EEE TRACK	ECE TRACK	CSE TRACK
JUNE 9,2021 12 PM TO 4.30 PM	JUNE 10,2021 10 AM TO 1.00 PM	JUNE 10,2021 2 PM TO 4.30 PM

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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EXPERT TALK- DAY 2

Resource Person

June 10
10 Am

PLATFORM

Dr. Nithin S

Asst Professor,EEE Department
Amrita Vishwa Vidyapeetham,Coimbatore

Topic : Electric Vehicle Communication

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RTEECT-2K21

2nd National Conference

Inauguration By

Mrs. Amritha Prasobh

DIRECTOR,UKFCET

June 9, 10 Am

PLATFORM

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

RTEECT-2K21

2ND NATIONAL CONFERENCE

THEME : RECENT TRENDS IN ELECTRICAL,ELECTRONICS AND COMPUTING TECHNOLOGIES-2K21

Resource Person

MR. J SANTHOSH

FORMER ADDITIONAL DIRECTOR
CENTRAL POWER RESEARCH INSTITUTE
BHOPAL

Inauguration

MRS. AMRITHA PRASOBH

DIRECTOR,UKFCET

JUNE 9,2021
10 AM

PLATFORM

PROGRAM COORDINATOR : DR. BEN JOHN STEPHEN S - 9952262775

ABOUT THE COLLEGE

UKF College of Engineering & Technology is owned and managed by the Universal Knowledge Foundation Trust. Started in the year 2009, the college has come to a full circle and has carved out a niche for itself in the professional educational scenario of the state. UKF College is rich in its infrastructure as well as human resources. The healthy relationships maintained among the staff, students and the management combined with the constantly upgraded infrastructure makes UKF an ideal place for knowledge dissimilation. Industry-institutes tie ups allow our students to experience their prospective job environments and make a pre-determined decision on their choice of employment.

ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department has very good infrastructural facilities like well-equipped laboratories, highly qualified and experienced faculties, and technically sound supporting staff. Highly qualified and experienced faculty is available in the Department to mould the students as full fledged Electrical Engineers. Power Systems and High Voltage laboratory is a landmark of the department. The Measurements and Instrumentation laboratory provides facilities for testing and calibration of electrical meters. The Systems and Control lab is a state of the art laboratory which envisages modern facilities for control and tracking experiments.

CONFERENCE THEME

RTEECT aims to bring together leading academic scientists, researchers and research results on all aspects of innovative engineering. It also provides a premier inter-disciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends and concerns as well as practical challenges encountered and solutions adopted in the fields of Electrical, Electronics and Computing Technologies.

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2ND NATIONAL CONFERENCE
ON
RECENT TRENDS IN ELECTRICAL, ELECTRONICS AND COMPUTING TECHNOLOGIES – 2K21
(RTEECT-2K21)

9th & 10th JUNE 2021
ONLINE EVENT ON Google Meet

Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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TRACK DETAILS

TRACK 1

ELECTRICAL ENGINERING

- Smart grid, Micro grid and Hybrid Power System
- Energy Conversion, Management, Energy Efficiency and Energy storage
- Power Quality Issues & it's improvements
- Grid Integration of Renewable Energy Sources
- Advancement in Power Electronics
- Challenges and opportunities in Renewable Energy Sources
- Intelligent Controllers
- System Modeling & Control
- Power Systems
- Green Technology
- Electrical Machines and Control
- High Voltage Engineering
- Flexible AC Transmission System
- Modelling and simulation
- Machine Learning

TRACK 2

ELECTRONICS AND COMMUNICATION ENGINEERING

- Communication Theory and Information Theory
- Antenna and Propagation
- Microwave Theory and Techniques
- Modulation, Coding, and Channel Analysis
- Networks Design, Network Protocols and Network Management
- Optical Communications
- Wireless / Mobile Communications and Technologies
- Digital Signal Processing
- Digital Filter Design & Implementation
- Array Processing
- Adaptive Signal Processing
- Audio, Speech and Language Processing
- Image Processing
- Video Processing
- Medical Signal Processing and Medical Imaging

TRACK 3

COMPUTER SCIENCE AND ENGINEERING

- Big Data and Data Science
- Cloud Robotics
- Remote Sensing And GIS
- Block Chain
- Machine Learning
- Cyber Security
- Augmented Reality (AR)
- Virtual Reality (VR)
- Deep Learning and Data Mining
- Innovation and Technology
- IOT Application Service Real Implementation
- Computer Networking

For any enquiry,
please send email to
rteect@gmail.com

യു.കെ.എഫ് കോളേജിൽ ദേശീയ കോൺഫറൻസ്

കൊല്ലം: പാരിഷ്ണുയു.കെ.എഫ് കോളേജ്ഓഫ്എൻജിനിയറിംഗ് ആൻഡ്ടെക്നോളജിയിൽ 'ഇലക്ട്രിക്കൽ, ഇലക്ട്രോണിക്സ്, കമ്പ്യൂട്ടർ സാങ്കേതിക വിദ്യകളിലെ സമീപകാല ട്രെൻഡുകൾ' എന്ന വിഷയത്തിൽ നടന്ന ദേശീയ കോൺഫറൻസ് കോളേജ് ഡയറക്ടർ അമൃത പ്രശോഭ് ഉദ്ഘാടനം ചെയ്തു. ഇലക്ട്രിക്കൽ ആൻഡ് ഇലക്ട്രോണിക്സ് എൻജിനിയറിംഗ് വിഭാഗത്തിന്റെ നേതൃത്വത്തിലായിരുന്നു കോൺഫറൻസ് സംഘടിപ്പിച്ചത്.

ഭോപ്പാൽ സെൻട്രൽ പവർ റിസർച്ച് ഇൻസ്റ്റിറ്റ്യൂട്ടിലെ അഡീഷണൽ ഡയറക്ടർ ജെ. സന്തോഷ് അമൃത വിശ്വവിദ്യാപീഠം കോയമ്പത്തൂർ അസി. പ്രൊഫസർ ഡോ. എസ്. നിതിൻ എന്നിവരാണ് ക്ലാസുകൾ നയിച്ചത്.

കോളേജ് പ്രിൻസിപ്പൽ ഡോ. ഗോപാലകൃഷ്ണൻ ശർമ അദ്ധ്യക്ഷനായി. കോളേജ് എക്സി. ഡയറക്ടർ പ്രൊഫ. ജിബി വർഗീസ് മുഖ്യ പ്രഭാഷണം നടത്തി. വൈസ് പ്രിൻസിപ്പൽ പ്രൊഫ. വി.എൻ. അനീഷ്, പി.ടി.എ രക്ഷാധികാരി എ. സുന്ദരേശൻ, മെക്കാനിക്കൽ വകുപ്പ് മേധാവി ഡോ. കെ. മധുസൂദനൻ പിള്ള, കമ്പ്യൂട്ടർ സയൻസ് വകുപ്പ് മേധാവി ഡോ കെ. രമണി, ഇലക്ട്രിക്കൽ ആൻഡ് ഇലക്ട്രോണിക്സ് വകുപ്പ് മേധാവി പ്രൊഫ. പ്രവീണ. എൽ. കൃഷ്ണ, പ്രോഗ്രാം കോ ഓർഡിനേറ്റർ ഡോ. ബെൻജോൺ സ്റ്റീഫൻ, പ്രൊഫ. അഖിൽ എന്നിവർ സംസാരിച്ചു.

പാരിഷ്ണുയു.കെ.എഫ് കോളേജ്ഓഫ്എൻജിനിയറിംഗ് ആൻഡ് ടെക്നോളജിയിൽ നടന്ന ദേശീയ കോൺഫറൻസ്