Koneru Lakshmaiah Education Foundation
(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)
Accredited by NAAC as 'A++' ❖Approved by AICTE ❖ ISO 21001:2018 Certified
Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.
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Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

Department Name : ECE

Event Date(s) : 25th September 2023

Event Time : 10.00 am to 5.00 pm IST.

Event Name : Experiential Learning

Category : Professional Societies IEEE

Event Objective : Provide engineers with hands-on experiences and deeper insights into the world of engineering.

Event Venue / Room No. : Field Visit & Industrial Visit @ Mangalgiri

Faculty Coordinator EMP.ID : 5616

Faculty Coordinator Name : Dr. S. Arunmetha, Associate Professor, ECE

Faculty Coordinator Email-ID : sarunmetha@kluniversity.in

Student Organizers : SYED ASHRUF

Total No of Participants : 65

This Engineers Day celebration offers a unique opportunity for engineers to immerse themselves in practical learning, witness engineering innovations firsthand, and connect with experts. Students are shared their experiences from both the field and industrial visits and gain valuable insights into engineering trends and challenges.

As part of Engineers Day celebrations, we are excited to announce a special learning event focused on experiential learning, combining both field visits and industrial visits. This event aims to provide engineers with hands-on experiences and deeper insights into the world of engineering.

Field Visit: KLEF Campus Power distribution and Solar Power system.

Purpose of Visit: To assess the power distribution system and evaluate the efficiency and functionality of the solar power system at KLEF Campus.

Koneru Lakshmaiah Education Foundation (KLEF) is renowned for its commitment to sustainability and innovation. The purpose of this field visit was to conduct a comprehensive assessment of the campus's power distribution infrastructure and its integration with the solar power system. Explore KLEF Campus Power distribution and Solar Power system and witness engineering principles in action. Gain insights into the significance of engineering in Power distribution process to our entire campus as well solar power energy generation and utilization. Our third year ECE students participated in interactive activities and demonstrations.

Grid Connection: The campus is primarily connected to the local power grid, providing electricity as the primary source. Distribution Infrastructure: The power distribution infrastructure includes transformers, switchgear, distribution panels, and wiring networks spread across the campus.
Backup Systems: There are backup generators strategically placed to provide uninterrupted power supply during grid outages.

Solar Panels: The campus is equipped with a significant array of solar panels installed on rooftops and open spaces. Inverter Systems: Inverters are installed to convert the DC power generated by solar panels into usable AC power for the campus. Battery Storage: Battery storage systems are in place to store excess solar energy generated during daylight hours for use during the night or during periods of low sunlight.

Monitoring and Control: The solar power system is integrated with monitoring and control systems to track energy generation, consumption, and system performance. Efficiency: The solar power system appears to be operating efficiently, contributing a substantial portion of the campus's total energy consumption.

Maintenance: There were visible signs of regular maintenance, such as cleaning of solar panels and routine checks on inverters and battery systems. Integration: The integration of the solar power system with the existing grid infrastructure seems seamless, with automatic switching between grid and solar power based on availability and demand. Capacity: The capacity of the solar power system seems adequate for current energy needs, with potential for expansion in the future if required. Continued Maintenance: Suggest maintaining regular maintenance schedules to ensure optimal performance and longevity of the solar power system components. Enhanced Monitoring: Consider implementing advanced monitoring systems to enable real-time tracking of energy metrics and performance indicators for proactive maintenance and optimization. Community Engagement: Encourage community engagement and awareness programs to educate students and staff about the benefits of solar energy and sustainable practices.

The field visit provided valuable insights into the power distribution and solar power system at KLEF Campus. The integration of renewable energy sources such as solar power demonstrates KLEF's commitment to sustainability and environmental responsibility. With continued maintenance and strategic enhancements, the campus can further optimize its energy infrastructure for long-term efficiency and resilience.

Industrial Visit: Efftronics Systems Pvt. Ltd, Mangalgiri.

Visit the Efftronics to observe cutting-edge engineering processes. Our Second year ECE students, got the exposure on smart and innovative Solutions. Engage with industry experts and learn practical applications of engineering in Smart Cities, Buildings, Signalling & IoT Services by Automation and Digitization for Vibrant Lives. Efftronics Systems Pvt. Ltd is a renowned company specializing in the design, development, and deployment of advanced electronics and communication solutions. The purpose of our industrial visit was to understand the company's operations, explore its technological capabilities, and gain practical knowledge about its products and services. Core Areas of Expertise: Efftronics Systems specializes in a wide range of domains, including railway signaling, telecommunications, surveillance systems, and smart city solutions.

Industrial Visit Highlights:

Facility Tour: We were given a comprehensive tour of the manufacturing facility, including the production floor, testing laboratories, and research and development departments. Product Showcase: Efftronics Systems showcased a range of its products, including railway signaling equipment, communication devices, surveillance cameras, and software solutions. Technology Demonstrations: We witnessed live demonstrations of cutting-edge technologies developed by Efftronics Systems, including IoT-enabled devices, real-time monitoring systems, and intelligent analytics platforms.

Interactive Sessions: The visit included interactive sessions with the company's engineers and technical experts, providing valuable insights into the design principles, development processes, and deployment strategies employed by Efftronics Systems. Innovation Culture: Efftronics Systems fosters a culture of innovation, with a strong emphasis on research and development to stay at the forefront of technological advancements. Quality Assurance: The company maintains stringent quality control measures throughout the production process, ensuring that its products meet the highest standards of reliability and performance. Customer-Centric Approach: Efftronics Systems places a strong emphasis on understanding customer requirements and delivering customized solutions tailored to meet specific needs.

The industrial visit to Efftronics Systems Pvt. Ltd provided us with valuable insights into the company's operations, technologies, and corporate culture. We gained a deeper understanding of the innovative solutions offered by the company and the rigorous processes involved in their development and deployment. Overall, the visit was highly informative and enriching, offering a glimpse into the dynamic world of electronics and communication technology.

Field Visit: KLEF Campus Power distribution and Solar Power system.

KLEF Campus Solar Power system.

KLEF Campus Power distribution

Industrial Visit: Efftronics Systems Pvt. Ltd, Mangalgiri.

Session Meeting in the Conference Hall

Group Photo infront of the Company

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1	2200040010	2	ECE	GORIJALA KESHAVA VARDHAN	
2	2200040013	2	ECE	LAKSHMI ALEKYA MADDI	
3	2200040030	2	ECE	DAYYAM HARANEESWAR REDDY	
4	2200040031	2	ECE	MADDI PURNA SAI SUDHEER KUMAR	
5	2200040044	2	ECE	THAMMINENI LAVANYA	
6	2200040046	2	ECE	PULIBANDALA BALAJI	
7	2200040056	2	ECE	KOLAGANTI KUNDANASRI	
8	2200040068	2	ECE	SUNKARA VEERA RAGHAVENDRA	
9	2200040069	2	ECE	MOGILISETTI SRAVANI	
10	2200040070	2	ECE	CHEEMAKURTHI JAHARNAVI	
11	2200040081	2	ECE	GUNTAKA MAHESWAR REDDY	
12	2200040082	2	ECE	TARIGOPULA NANDINI	
13	2200040087	2	ECE	NUNNA SAITEJA	
14	2200040090	2	ECE	BAMMIDI HIMANTH	
15	2200040097	2	ECE	BONDALAPATI NAGA BHULAKSHMI	
16	2200040099	2	ECE	PEDAPATI JAYANTH VENKATA SAI SRICHARAN	
17	2200040106	2	ECE	GOWTAM KETINENI	
18	2200040110	2	ECE	BEESABATHINI JYOTHI BABU	
19	2200040114	2	ECE	PILLI SAI SANDEEP	
20	2200040115	2	ECE	GURRAMKONDU KEERTHAN SAI	
21	2200040117	2	ECE	DODDA AJAY BABU	
22	2200040127	2	ECE	SREE VARSHINI REDDY VARI	
23	2200040133	2	ECE	BURAGADDA VENKATA SRIHARI	
24	2200040135	2	ECE	GUDURU NAVEEN	
25	2200040144	2	ECE	CHANDRA VENKATA KALYANI	
26	2200040151	2	ECE	VENKATA SUMANTH MUCHAKAYALA	
27	2200040166	2	ECE	SEREDDY SRIKANTH .	
28	2200040191	2	ECE	CHELLURI HARSHITHA	
29	2200040192	2	ECE	CHITTURI LEELA RAJA KUMAR	
30	2200040207	2	ECE	Kokkiligadda Rahul Ratna	
31	2200040212	2	ECE	DURGARAJU KANAKA HARSHITA	
32	2200040213	2	ECE	BUDDAVARAPU HEMA SAI PRASANNA	
33	2200040237	2	ECE	Karre Arjun	
34	2200040238	2	ECE	DUDDEKUNTA BHANU PRAKASH REDDY	
35	2200040242	2	ECE	PALA KARTHIKEYA	
36	2200040245	2	ECE	PALAPARTHI PRABHAS	
37	2200040250	2	ECE	Govindaraju Hima sai Santhosh	
38	2200040277	2	ECE	Lalitha Sindhuri Undavalli	
39	2200040282	2	ECE	Gorle Bangaru Karthikeya	
40	2200040287	2	ECE	Yenumula Kusumanjali	
41	2200040330	2	ECE	SHASHANK KONDI	
42	2200040336	2	ECE	DHULIPUDI VENKATA SIVA GOPI KARTHIK	
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45	2200040329	2	ECE	Chotniru Sreekar	
46	2200070005	2	ECE	KONA NITISH KUMAR	
47	2200040153	2	ECE	MANDA V S A L SREEPRAD	
48	2200040084	2	ECE	Hima Teja	
49	2200040214	2	ECE	Vivek	
50	2100040046	3	ECE	MURARI SRI HARI	
51	2100040026	3	ECE	NIKHIL SAI KANOLLA	
52	2100040051	3	ECE	VUYYURU RAMTEJ	
53	2100049051	3	ECE	SYED ASHRUF	
54	2100049101	3	ECE	SINGAMREDDY VISHNU VARDHAN	
55	2100049044	3	ECE	PAMULURU MADHUKAR	
56	2100049093	3	ECE	DODLA SOMA SIVA SUKESH	
57	2100049100	3	ECE	BOTTA SANJAY	
58	2100040082	3	ECE	KONJARLA NAGENDRA PRASAD	
59	2100040081	3	ECE	SUREDDY MOHAN SAI	
60	2100040328	3	ECE	POTHULA NIKHILA	
61	2100040091	3	ECE	REKAPALLI SRI LIKHITHA	
62	2100049009	3	ECE	KODURU DEEPTHI SREE	
63	2100040112	3	ECE	KAVURI VINEETH	
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