



ST. JOSEPH'S
COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS
ENGINEERING



Seminar
on

TRAINING ON ELECTRICAL SYSTEM DESIGN OF HIGH-RISE BUILDING

Resource Person: Prof. P. V. Varkey

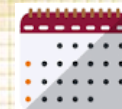
(Professor, Emeritus)

Former Chief Electrical Inspector, Govt. of Kerala

Founder Director, Energy Management Centre, Kerala



Date & Venue



3rd May 2023 (9.00am – 11.00am)

St. Francis Block

Organized by : Department of Electrical and Electronics Engineering

In association with: Electrical Engineering Association &

Continuing Education and Skill Development Cell


TRAINING ON ELECTRICAL SYSTEM DESIGN OF HIGH-RISE BUILDING


Report

Due to the lack of available land, high-rise structures are becoming more common in today's society as the need for commercial and residential space rises. Additionally, the need for aesthetics in urban settings, cultural significance, and status drive human aspiration to develop higher through technological advancements in structural systems.

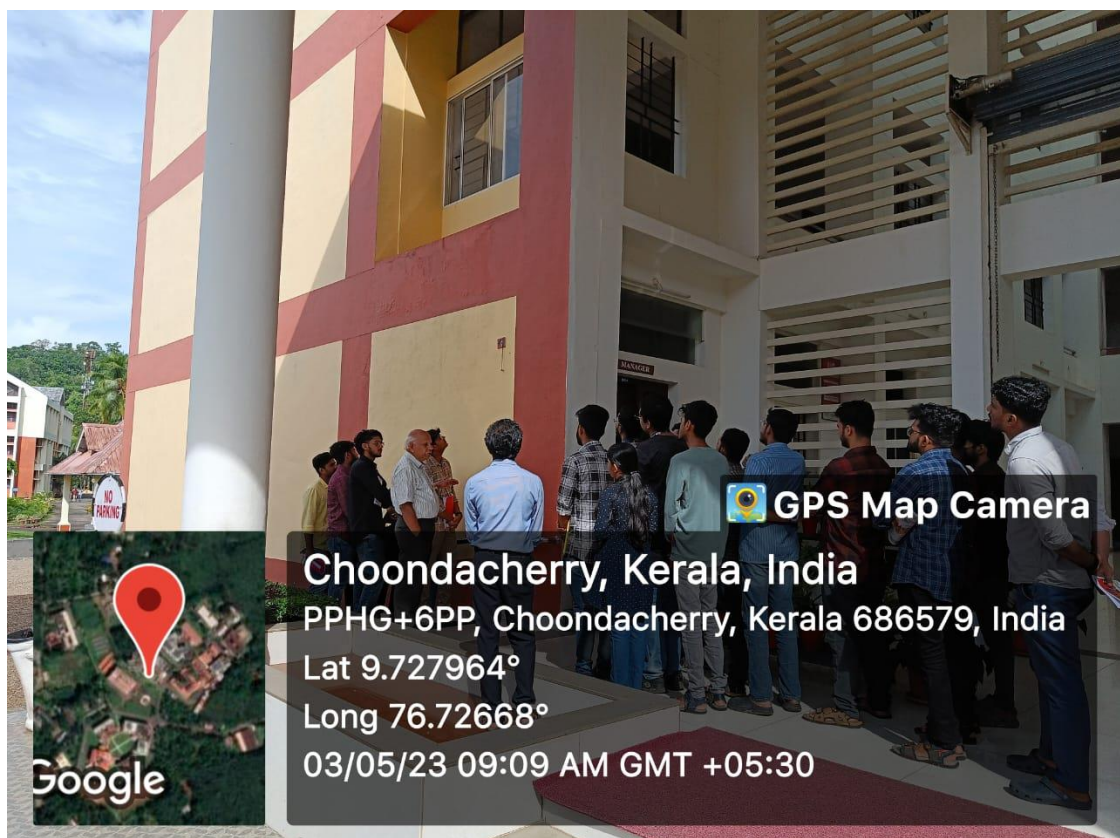
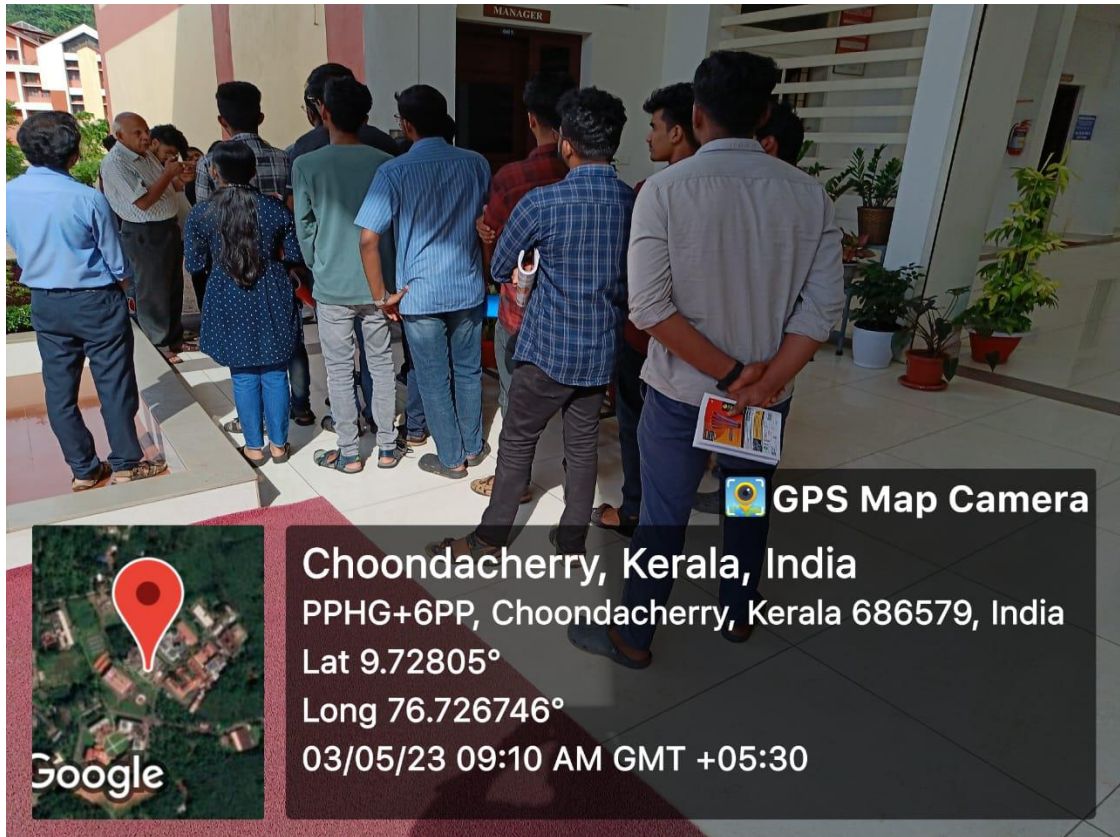
On 3rd May 2023 Prof. P.V. Varkey the former HoD of Electrical & Electronics Engg. department took an informative class on the electrical system design of the St. Francis block, the six-storey building in the college. 25 students of S8EEE were actively participated in the class. At first, the class was on emergency switch of a high-rise building to cut-off the entire electricity in the building. Then we proceeded to the electrical room of the building. The electrical room was a pool of new knowledge to students. Different feeders were given to different floors, lifts, fire pumps and spare were given for the future expansions. The earthing of the building was explained. The generator connection and solar backup were taught during the session. Then we moved to the different types of ducts of the building. Among them, one of the most important was the fire duct. The building has an efficient firefighting system which include fire alarms, emergency switches for lifts in each floor, booster pumps etc. Also, the building has an emergency exits in both sides. The electrical duct, communication duct and UPS duct were explained in detail. After the class about ducts, the next discussion was on lifts. The lift technology and the electrical aspects of the lift were explained. After that the session comes to an end.

Prof. P. V Varkey's class was very interesting and educational. It was a new experience to the students. Not only the electrical aspects, but also the civil aspects were also explained during the program. The entire session was excellent, and students were able to connect the theoretical material to an actual experience.


Dr. J. James
Faculty In-charge
Invited talk


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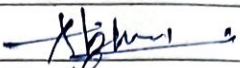

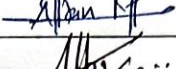
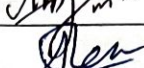


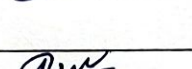
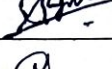



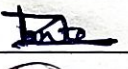


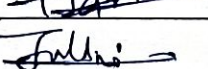
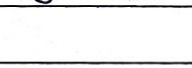
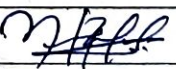
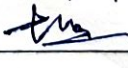

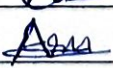
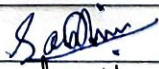
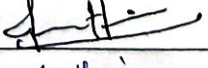

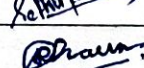



Training on Electrical System Design of High-Rise Building

Attendance Sheet

Date: 03/05/2023

Class: S8EEE

Sl.No.	STUDENT NAME	SIGNATURE
1	ABHIJITH SANTHOSH	
2	ALAN K GEORGE	
3	ALAN MATHEW	
4	ALBIN JAMES	
5	ALEN XAVIER ANTONY	
6	ALEX T K	
7	AMAL GEORGE	
8	ANU TREESA JOSEPH	
9	ARJUN PRADEEP	
10	ASHKAR MUHAMMED SHA	
11	ATUL THANKACHAN	
12	BASIL K BENNY	
13	BHAGYA S KUMAR	
14	BRIGHT BENSON BERTHOLD	
15	DANTE SUNNY	
16	DARIN JOSE	
17	DONY S JOSE	
18	HARI P S	
19	JITHIN SHAJI	
20	JOHNY MANOJ	
21	K J RAINA	
22	MANOJ POUDEL	
23	MANU S	
24	MATHEW JAMES	
25	NANDU KRISHNAN R	
26	P ARUN RAJAN	
29	SAYA FATHIMA	
30	SCARIA THOMAS	
31	S C SWATHIN SIVA	
32	SETHULAKSHMI M	
31	SETHU PARVATHY M	
32	SHAUN SUNIL	

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