# Report of an Industry Expert Talk on "Electrical Power System Design" Organised by Department of Electrical and Electronics Engineering 30-12-2020

# Organized in association with: IEEE Students Chapter MITS

# Submitted by: Dr A V Pavan Kumar, Associate Professor & Head, Dept. of EEE

<u>Resource Person</u>: Mr. Lalit Kotturi, Senior Design Engineer, at Balfour Beatty Kilpatrick, Motherwell, Scotland, UK

## Faculty attended:

Dr A V Pavan Kumar, Assoc. Prof & Head, EEE Dept.; Dr M Vaigundamoorthi, Prof., Dept. of EEE, IEEE **College level Coordinator**; Dr M Vijay, Assoc. Prof., Dept. of EEE; Dr Aurobinda Bag, Sr Asst. Prof, Dept. of EEE; Dr Sudarshan Swain, Sr Asst Prof., Dept. of EEE; Mr. N Shyam Sunder, Asst. Prof., Dept. of EEE; Mr. Siva, Asst. prof., Dept. of EEE.

## Students Attended EEE: 30

## Venue: Online Microsoft Teams

The Guest lecture started by 3. 30 PM, the speaker **Mr. Lalit Kotturi**, was introduced to the students by Dr A V Pavan Kumar.

The Speaker focused the presentation on job prospective, software and programming languages essential for industry, Substation design, Electrical standards followed in UK and India in electrical design and installation. The key points of the talk are

- 1. Overview of Practical Power Industry
- 2. Job opportunities in Electrical Power system sector
- 3. Programming skills required for getting job as design engineer in core sector
- 4. Industry and Private Electrical Network Configuration
- 5. Industry and Private Electrical Network substations details
- 6. Industry and Private Electrical Network substations design standards
- 7. Visual representation of various subsystem equipment and factors involved in selection of components.
- 8. Design Concept of Indoor and outdoor substation design.

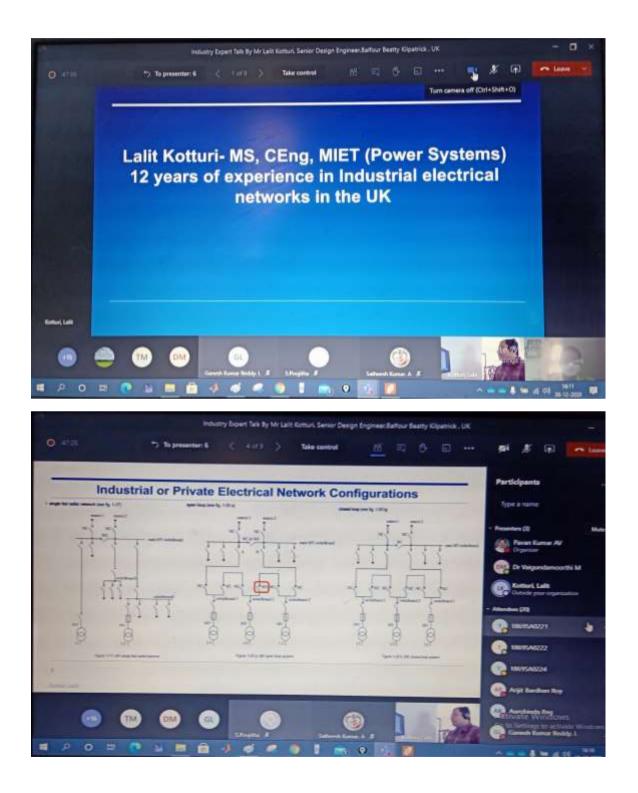
The session ended with an interactive session with the students followed by vote of thanks by Dr M Vaigundamoorthi, Prof., Dept. of EEE, and IEEE College level Coordinator.

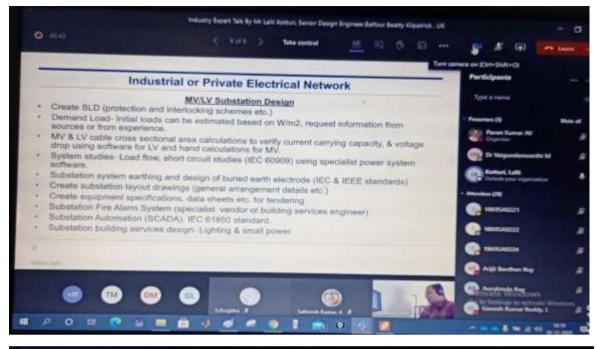
IEEE vtools link: <u>https://events.vtools.ieee.org/m/253583</u>

#### The Link to the recording of the Guest lecture: https://mitsacin-

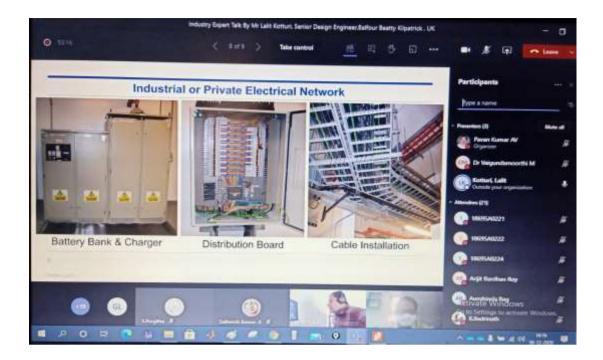
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# Photographs:







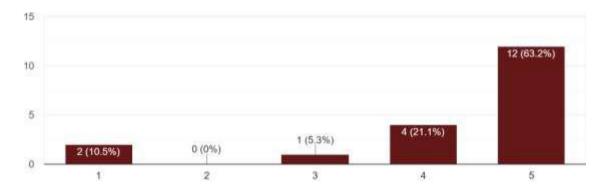


#### Feedback From the students / attendees

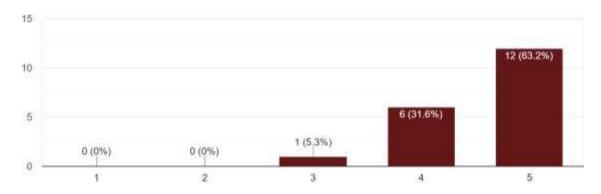
#### Link for feedback form:

https://docs.google.com/forms/d/e/1FAIpQLSflKj6jCbViun8Msjz4Mn4Gebtk7gU\_hs8DcEnyhrIceTMCg/viewform?usp=pp\_url

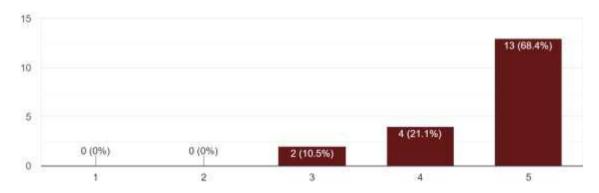
1. The interactive session was scheduled at a suitable time 19 responses



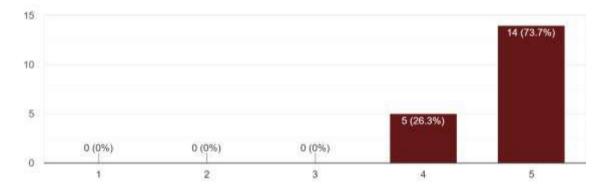
2. The interaction was useful and resource person explanation. 19 responses



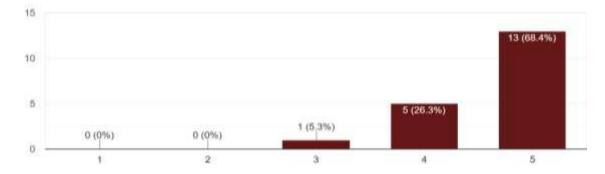
The information in the interaction was presented in a clear and organized manner.
19 responses



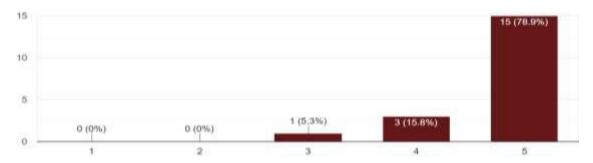
4. The presenter responded to questions an informative, appropriate and satisfactory manner. 19 responses



5. your impression of facilities provided by the institute for interaction. 19 responses



Overall, the session was informative and valuable.
19 responses



7. In what ways could this interaction have been improved to better suit your needs? 13 responses

Used in Future Aspects	Í
Nothing it's fine	
More interaction	
Future career Opportunities How to survive in current world without Learning code with our Domain Knowledge?	
Good performance	
It is good interaction	
Practical experience	
Nice interaction	

7. In what ways could this interaction have been improved to better suit your needs? 13 responses

Good performance	Î
It is good interaction	
Practical experience	
Nice interaction	1
Yes	1
Everyone will get to know about that	1
Good	1
Getting better idea on Job opportunities and structure and type of jobs	1
Scope of abroad opportunities.	-

8. Any Other Comments

9 responses

No

Learnt Useful Lecture From the Class

Exams Time. It's not a perfect time .

Nice

Interactive the students

Good lecture

NA