



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

Sponsored by CMR Educational Society

(Affiliated to JNTUH, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade)

Maisammaguda, Dhulapally, Kompally, Secunderabad – 500100, Telangana State, India.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT ON Hands on workshop on Electrical Switchgear And It's Applications

DATES:-30st JULY to 3rd AUGUST 2024

VENUE:- EEE MACHINES LAB, MRCET.

▪ OBJECTIVE OF THIS EVENT:

- Provide participants with hands-on experience to understand how switchgear operates, including assembly, disassembly, troubleshooting, and maintenance. Equip participants with a deep understanding of the working principles, functions, and components of electrical switchgears.
- Emphasize safety protocols and procedures while working with switchgear systems to ensure safe handling and operation in industrial and residential settings.
- Familiarize participants with the various applications of electrical switchgear in different industries, such as power distribution, motor control, and electrical protection systems..
- Help participants gain insight into designing and configuring switchgear systems for different electrical installations and industrial needs.

▪ MAIN ATTRACTIONS OF HANDS ON WORKSHOP :

- Certificate by DBson's Universal Power Control Pvt. Ltd.
- Certificate of Participation to all Zonal participants
- Real-time demonstrations of switchgear components such as circuit breakers, contactors, fuses, relays, and isolators.



On behalf of Workshop the Department of EEE at Malla Reddy College of Engineering and Technology organized Hands on workshop on Electrical Switchgear And It's Applications at EEE Machines Lab on 30st JULY to 3rd AUGUST 2024.



Addressing the dignitaries on the Dias

The event was started by enlightening the lamp with the prayer song. Our beloved Director Dr. VSK Reddy delivered the importance of Workshop and he also conveyed the message saying that each and every student can put their effort towards the industry revolution. Dr.S.Srinivasa Rao, Principal of MRCET has presented the Workshop importance and current year theme & responsibility of Engineer's in this Society. Dean R&D, Dr. Sesha Talpa Saihas shared his experiences as an engineer. Hod of EEE Dr. M. Sharanya shared her valuable information about Workshop.

The Program started around 10.00 A.M. Director of MRCET Dr. VSK Reddy, Principal Dr.S.Srinivasa Rao, Dean,Student's Welfare Dr. T. Venu Gopal, Dean R&D, Dr.SeshaTalpa Sai and Hod EEE Dept. Dr. M.Sharanya were on the stage.

The first day of the workshop was held in the seminar hall. The students were given brief knowledge about the Electrical Switchgears, Control panels And their Applications. The workshop was divided into 2 sessions. In the first session the DBson's coordinators gave the students live demonstrations about the control panel workings and explained briefly about the circuit connections. And the second session was mainly on the involvement of the students by giving the connections discussed by the team practically.



Second Year Students With The DBson's Team

Main Highlights Of The Workshop :

•Live Demonstrations:

Real-time demonstrations of switchgear components such as circuit breakers, contactors, fuses, relays, and isolators.

Hands-on experience with installation, configuration, and testing of electrical switchgear systems.

•Practical Sessions:

Direct involvement in assembling, disassembling, and troubleshooting switchgear components.

Practice sessions on wiring, testing, and maintenance of switchgear systems under expert supervision.

•Safety Training:

Focused modules on electrical safety, fault detection, and emergency handling during switchgear operations.

Learning industry-standard safety practices and protocols when working with high voltage and industrial switchgear systems.

•Interactive Learning:

One-on-one interaction with experienced instructors and industry experts to address queries and provide insights.

•Industry-Relevant Knowledge:

Exposure to the latest trends, innovations, and technologies in the field of electrical switchgear.





Practical Sessions





Honoring The DBson's Team





Certificate Distribution



Students And Faculty With The DBson's Team

The Third and Final year students and faculty members were the audience for the day. Later on, after completion of the training certificates distributed to the students by the dignitaries on the Dias. At last, the students gave vote of thanks.