

**K. S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE - 637 215**

**Department of Electrical and Electronics Engineering**

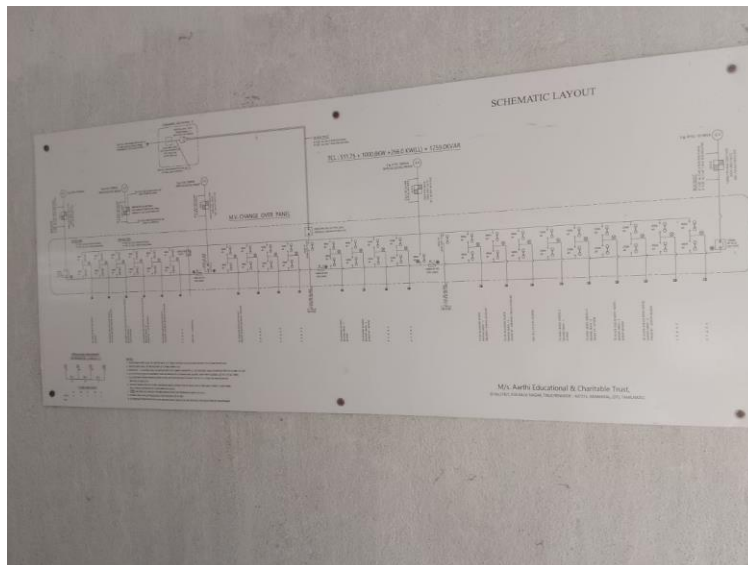
**Experiential learning**

**Course code & Course Name: 50 EE E54 – Industrial Electrical System**

**Date: 04.11.2022**

**Visit on Industrial Substation at KSRCT**

Students visited at 11kV substation @ KSRCT on 11.00 am to 1.00 pm. Dr.P.Aravindan, Professor and Mr.N.Rajasekaran, Assistant Professor, Electrical and Electronics Engineering Department explained the overall operation of industrial substation, individual operation of all equipment and measuring instruments. Also he explained the grid integration using solar panel and generator set.



**Figure 1 schematic layout of substation**



**Figure 2 Busbar chamber in substation**



**Figure 3 Automatic power factor correction**



**Figure 4 metering in substation**



**Figure 5 vacuum circuit breaker**



Figure 6 Onload Tap changer in transformer

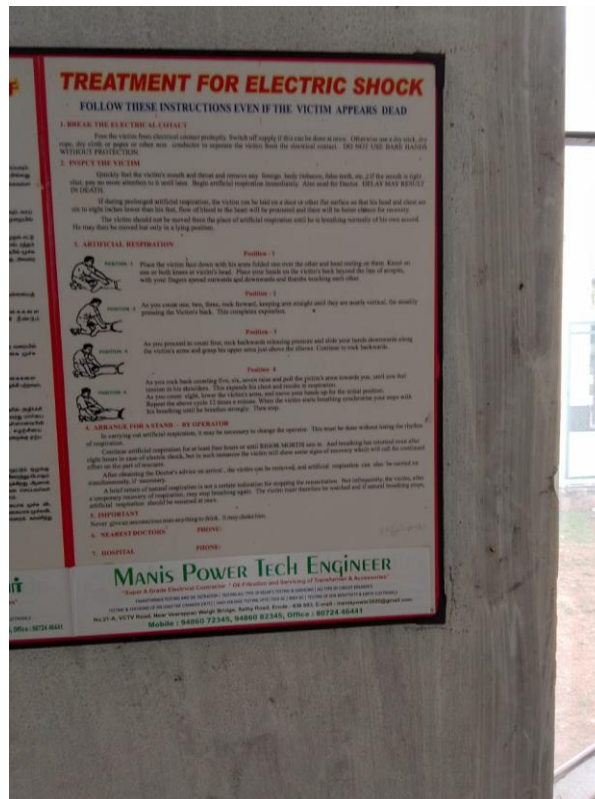


Figure 7 safety measure instruction



**Figure 8 Dr.P.Aravindan interaction with students**

**Course Instructor**

**Mr.N.Rajasekaran/AP/EEE**