

Department of Electrical and Electronics Engineering

Report on Guest Lecture by M. Surya Narayana On

SCADA and SMART GRID, ITS APPLICATIONS IN ELECTRICAL ENGINEERING

Nalla Narasimha Reddy Educational Society's Group of Institutions School of Engineering Department of Electrical & Electronics Engineering has organized a Guest Lecture on 22nd December 2022. The Guest speaker was **M. Surya Narayana, Divisional Engineer (SCADA) TSSPDCL**. The guest has arrived at 01.30 am and was welcomed by **Dr.D.Ramesh, HoD & Professor**, Department of EEE. The lecture was attended by staff and Students about 90 members. Mrs. K.Swathi, Assistant Professor, Department of EEE, introduced the speaker M. Surya Narayana.

Initially introduction was given by projecting the importance of SCADA and its applications in power systems. He explained about what is SCADA and its importance in power systems. He featured the practical knowledge and it as a partition as supervisory control and data acquisition. Co-relation with the general usage was done. Water level indicator at domestic purpose was explained using SCADA systems. In data acquisition the main aim of the SCADA is to collect the data and give a bundled report on the demanded readings. This leads to the supervisory control as a system is designed. Co-relation with the previous report enhances the future measures which have to be implemented. The whole system is depended upon the programming by using various techniques. SCADA is smartest Application which can be utilized smartly with less human efforts.

Electric Traction also utilizes the SCADA which gives brief description of operation of locomotives. In general day scenario power systems uses SCADA with advanced technology. A brief description on latest grid division is explained. Present statistics of various generating stations were shown. Single line diagram of SCADA system was briefly explained. Finally mentioned the usage of advanced data collections and its control using SCADA systems.

The lecture given is very good and very useful for the students for analysis for there projects to develop on SCADA. The students and the management are very much happy to have this type of lecture by the practically experienced experts. In order to conclude the report on the given guest lecture i.e. SCADA and SMART GRID, ITS APPLICATIONS IN ELECTRICAL ENGINEERING in one word its awesome.

Lecture was ended at 03.30 p.m. with the vote of thanks every one left the hall with positive attitude towards life.



Faculty Incharge

HoD