

**Dept.of EEE conducted a Guest Lecture on "EHT/HT Grid Distribution System" by K.Jangaiah Divisional Engineer, Dr.NTTPS - TI APGENCO, Ibrahimpatnam, on 22-02-2016**

EEE Department of the Institute conducted a Guest Lecture on “EHT/HT Grid Distribution System” on 22.02.2016 in Rose Hall for III & IV year students of the department. HOD of EEE, Dr.M.Umavani welcomed the students and resource person. This Lecture was delivered by Sri.K.Jangaiah, Divisional Engineer, Dr.NTTPS-TI, APGENCO, Ibrahimpatnam.

In his lecture Sri.K.Jangaiah garu explained that generator-load balance is continuously monitored by Load Dispatch Centres (LDC) and State Load Dispatch Centres (SLDC), Hyderabad through Power Line Carrier Communication/Supervisory Control and Data Acquisition Systems. Also explained the causes of grid failure which is due to cascade tripping of units & maloperation of relays. To avoid cascade tripping under frequency relays are being used. He also discussed the potential impact and issues related to smart grid on distribution system design.





The session was brought to a close with the discussion of some more important topics like loss of generation due to outage of equipment, load relief/shedding, HVDC Transmission, Sub transmission, Transmission grid etc. The students got an opportunity to expand their knowledge and clarify their doubts regarding the grid operation in real time. Guest Lecture concluded with an interactive session, during the interactive session with students information was given regarding job openings/opportunities in power sector. Vote of thanks was proposed by Mr.P.Deepak Reddy, Assoc.Professor in EEED.