



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Report on

“GUEST LECTURE on Developments in Installation capacity, Stages, working of various sub-systems of Thermal power generating station” in association with IEEE student branch of

LBRCE

Event Type : Guest Lecture

Date / Duration : 18-04-2023

Name of Industry : Dr.NTTPS APGENCO Power Generation Plant,
Ibrahimpattam, VIJAYAWADA, Andhra Pradesh

Faculty Accompanied : Mr.K.Nagalinga Chari and Mrs.K.S.L.Lavanya

Total no of students : B. Tech-IV Semester B Section Students

Objective of the event : The Objective of this Guest Lecture is to give “Developments in Installation capacity, Stages, working of various sub-systems of Thermal power generating station”.

Outcome of event : Students acquired knowledge on Installation of Plant, Stages, working of plant, Boilers, Transformers, Generators, Cooling Towers, Chimney, Switch Yard, Coal Handling Plant, Ash Handling – Conveyor belts, Current use of Brush-less Exciter for Generator Rotors and also about 800 MW units under construction with advanced technology in maintenance, operation & Control involved in Thermal Power Generating Station.

Description / Report on Event:

- Students involved in the interactive session after the Guest Lecture and cleared their doubts about the plant capacity, usage of Fly Ash, Pollution control measures with the Resource person.
- Economic power generation as compared to the previous years has been discussed.

