



# **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 & ELECTRONICS ENGINEERING**

<b>A.Y</b>	<b>Year /Semester</b>	<b>Name of the Industry Visited</b>	<b>Dates</b>	<b>No. of Students visited</b>
2023-24	B. Tech IV Sem	Dr. NTPS APGENCO Power Generation Plant	15-04-2024	68
2023-24	B.Tech VI Sem-B-Sec	NUZVID 220 kV Substation	08-02-2024	48

**Industrial Visit Coordinator**

**HOD EEE**



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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Report on**

**“INDUSTRIAL VISIT Dr.NTTPS APGENCO Power Generation Plant, Ibrahimpatnam, VIJAYAWADA, Andhra Pradesh”**

**Event Type : Industrial Visit**

**Date / Duration : 15-04-2024**

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

**Faculty Accompanied : Mr.K.Nagalinga Chari, Mr.A.V.Ravi Kumar and Mrs.V.Padmaja**

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

**Objective of the event : To get practical exposure of Power Plant equipments, Switchgear and Protection, Control and Operation of power generating station.**

**Outcome of event : Students acquired practical knowledge on various stages and sub-systems involved in Thermal Power Generating Station.**

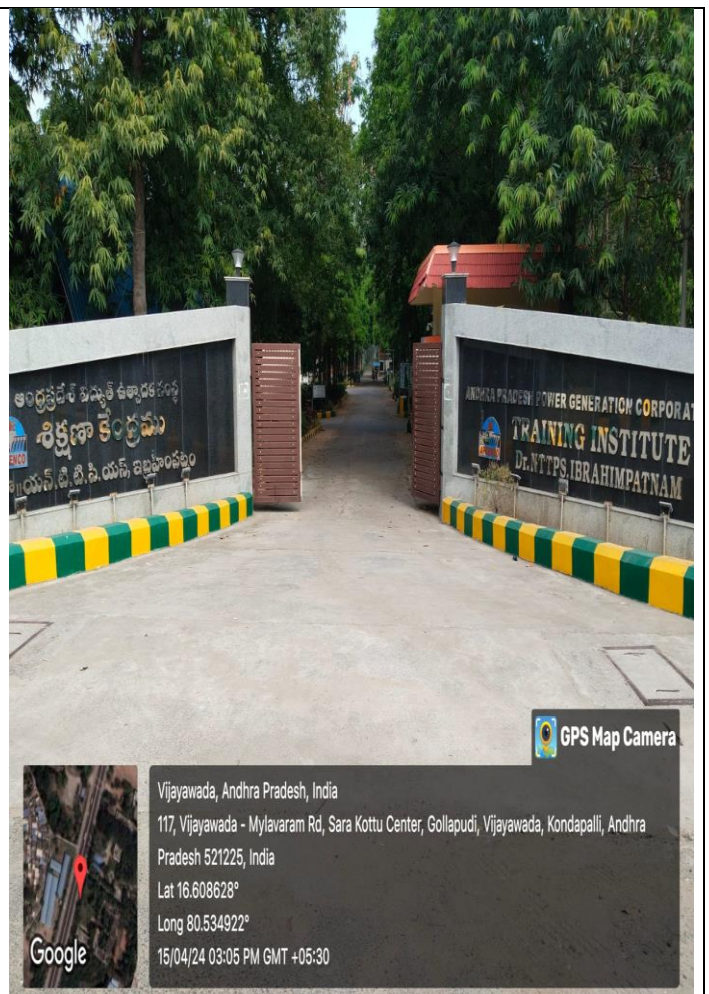
**Description / Report on Event:**

The B.Tech IV Semester Students of Electrical Engineering visited Dr.NTTPS APGENCO Power Generation Plant, Ibrahimpatnam, VIJAYAWADA, Andhra Pradesh on 15-04-2024 accompanied by 3 staff members (including 2 teaching & 1 non teaching).

**Students Studied and Observed the following points during their Thermal Power Plant Visit**

- Pulverization of coal - process
- Boiler unit construction of 220 MW Generator.
- Boiler to Turbine flow of water back to cooling tower.
- Furnas process
- Exhaust with blowers - forced drafting mechanism.
- Generators Synchronization process

**Feed back/ Suggestions : Overall students are satisfied with this Industrial visit.**



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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Report on

### “INDUSTRIAL VISIT 220 kV Nuzvid Substation, NUZVID, Andhra Pradesh”

Event Type	:	Industrial Visit
Date / Duration	:	09-02-2024
Name of Industry	:	220 kV Nuzvid Substation, NUZVID, Andhra Pradesh
Faculty Accompanied	:	Mr.J.V.Pavan Chand and Mrs.G.Tabita
Total no of students	:	B. Tech-VI Semester B Section Students
Objective of the event	:	To get practical exposure of Substation equipments, Switchgear and Protection.
Outcome of event	:	Students acquired practical knowledge on various power equipments and protective devices involved in 220 kV Substation.

#### **Description / Report on Event:**

The B.Tech VI Semester Section-B Students of Electrical Engineering visited 220 kV Nuzvid Substation, NUZVID, Andhra Pradesh on 09-02-2024 accompanied by 3 staff members (including 2 teaching & 1 non teaching).

#### **Students Studied and Observed the following points during their 220 kV Substation Visit**

- Switch Yard – Current Transformers, Potential Transformers, Power Transformer its Protective system, Bus-Bars.

**Feed back/ Suggestions** : Overall students are satisfied with this Industrial visit.



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