



# 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 ENGINEERING

A.Y-	Year /Semester	Name of the Industry Visited	Dates	No. of Students visited
2015-16	B.Tech V SEM	1. Satyakala Power Projects Pvt. Ltd	12-10-2015 & 13-10-2015	120
		2. GS Electricals		
	M.tech II & IV Sem	Srisailam left & right bank Power House	19-03-2016	14
B.Tech V SEM	Dr. NTPPS, Ibrahimpatnam	06-04-2016 & 07-04-2016	120	



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## DEPARTMENT OF ELECTRICAL ENGINEERING

### REPORT ON EVENT

#### “INDUSTRIAL VISIT TO Dr. NTTPS, Ibrahim Patnam”

Event Type	:	Industrial Visit
Date / Duration	:	12-10-2015 and 13-10-2015
Name of Industry	:	Satyakala Power Projects Pvt. Ltd
Faculty Accompanied	:	Mr. B.Pangediah, Mr.Prem Kumar, Ms D. pavani
Total no of students	:	B. Tech-V Semester A& B Students
Objective of the event	:	To get practical exposure to biomass power generating plants
Outcome of event	:	Students acquired practical knowledge on various stages in electrical power generation, Human machine interfacing, and connecting generators to grid
Description / Report on Event:		

The IV B.Tech V Semester Section A Students of Electrical Engineering visited **SATYA Kala Power Projects Pvt Ltd**, on 12-10-2015 and 13-10-2015 accompanied by three staff members (including 2 teaching & 1 non teaching).

After arriving the industry students are divided into batches accompanied by A.Es of Dr NTTPS.

.Students have got the opportunity to visit 4MW biomass power station. They have learnt the theoretical concepts they have studied have been applied practically. They have observed various stages involved in generation of Electrical power with biomass as fuel. Students learnt that the biomass power plant produces biogas from wood mainly comprising forest residue, bio waste and then burns it to produce heat for power generation. They learnt that emission of gases in biomass plants is less than the thermal power plants. Students also got practical exposure to various machines Alternators, transformers. Students learnt Main Components present in Biomass power plant

A simple biomass electric generation system is made up of several key components. For a steam cycle, this includes some combination of the following items:

Fuel storage and handling equipment

Combustor / furnace

Boiler

Pumps

Fans

Steam turbine

Generator

Condenser

Cooling tower

Exhaust / emissions controls

System controls (automated).



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



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## **DEPARTMENT OF ELECTRICAL ENGINEERING**

### **REPORT ON EVENT**

#### **"INDUSTRIAL VISIT To GS Electricals Pvt Ltd"**

Event Type	:	Industrial Visit
Date / Duration	:	12-10-2015 and 13-10-2015
Name of Industry	:	GS Electricals Pvt Ltd, Vijayawada
Faculty Accompanied	:	Mr. B.Pangediah, Mr.Prem Kumar, Mr.M. B. Chakravarthy
Total no of students	:	B. Tech-V Semester A& B Students
Objective of the event	:	To get practical exposure of Manufacturing of Transformers
Outcome of event	:	Students acquired practical knowledge on Manufacturing Distribution Transformers, Instrument Transformers, and their maintainance.
Description / Report on Event:		

The III B.Tech V Semester Section A Students of Electrical Engineering visited GS Electricals Pvt Ltd, Vijayawada on 12-10-2015 and 13-10-2015 accompanied by three staff members (including 2 teaching & 1 non teaching).

Students got practical exposure to manufacturing of Distribution Transformers CT PTs, and also learnt maintainance and overhauling transformers. and Transfromers rewinding process. What are the commercial ratings available in APTransco and DISCOMS .



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



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## REPORT ON EVENT

### “INDUSTRIAL VISIT To Srisailam left & right bank Power House”

Event Type	:	Industrial Visit
Date / Duration	:	19-03-2016
Name of Industry	:	Srisailam left & right bank Power House
Faculty Accompanied	:	Mr. P.Deepak Reddy, Ms. K.S.L.Lavanya, Ms. D.Pavani
Total no of students	:	M. Tech - II Semester
Objective of the event	:	To get practical exposure o Srisailam left & right bank Power House

**II & IV Sem M.TECH (PE&D) Students and Faculty members are visited to SrisailamLeft & Right bank Power House on 19-03-2016.**



List of Faculty

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Designation</b>
<b>1</b>	P.Deepak Reddy	Associate Professor
<b>2</b>	K.S.L.Lavanya	Assistant Professor
<b>3</b>	D.Pavani	Assistant Professor
<b>4</b>	U.Suri babu	Technician

List of Students

<b>S.No</b>	<b>Reg.No</b>	<b>Name</b>
<b>1.</b>	14761D5402	B.Eswar
<b>2.</b>	14761D5403	B.Gopal krishna
<b>3.</b>	14761D5404	K.Vinay
<b>4.</b>	14761D5405	M.Veerabadrarao
<b>5.</b>	14761D5407	M.Gayathri Neelima
<b>6.</b>	14761D5408	M.Deepika
<b>7.</b>	14761D5410	N.Swathi
<b>8.</b>	14761D5412	SK.Yusuf
<b>9.</b>	15761D5402	D.Devivaraprasad
<b>10.</b>	15761D5404	K.Mounika
<b>11.</b>	15761D5405	K.Chinababu
<b>12.</b>	15761D5406	P.Pragnasree
<b>13.</b>	15761D5407	P.Ramash
<b>14.</b>	15761D5410	U.Saikumar



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## DEPARTMENT OF ELECTRICAL ENGINEERING

### REPORT ON EVENT

#### “INDUSTRIAL VISIT TO Dr. NTPPS, Ibrahim Patnam”

Event Type	:	Industrial Visit
Date / Duration	:	06-04-2016 and 07-04-2016
Name of Industry	:	Dr.NTPPS, Ibrahimpatnam
Faculty Accompanied	:	Mr. J.V.Pavan Chand, Mr. K.Naga linga Chary, Mr. B.Buchi reddy
Total no of students	:	B. Tech-IV Semester A& B Students
Objective of the event	:	To get practical exposure to power generating plants
Outcome of event	:	Students acquired practical knowledge on various stages in electrical power generation, Human machine interfacing, and connecting generators to grid
Description / Report on Event:		

The II B.Tech IV Semester Section A Students of Electrical Engineering visited **Dr NTPPS**, Vijayawada on 06-04-2016 and 07-04-2016 accompanied by three staff members (including 2 teaching & 1 non teaching).

After arriving the industry students are divided into batches accompanied by A.Es of Dr NTPPS.

Students observed the following stages involved in Power generation in thermal Power Plant

Coal handling Plant: Pulverization of coal, Boiler Section for steam Generation to rotate turbo alternators, Control units with Complete Automation, Practical exposure to High Speed Alternators of High Capacity, Generating Transformers, steam condensers and Cooling towers. Students learnt why overall efficiency of thermal power plant is low. finally they got opportunity to visit to Switch yard there they have learnt various switch gear equipments such as Relays and Circuit breakers and connection of generators to grid through bus bars and Instrument Transformers Protecting lightning arrestors.