



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
2017-18	B.Tech VII SEM	Switch Yard Dr.NTTPS, Ibrahimpatnam	06-10-2017 &07-10-2017	136
	B.Tech VI Sem	Hindustan Coca-Cola Beverage Pvt.Limited, Mangalagiri Guntur Dis	02-02-2018 & 03-02-2018	140
	B.Tech IV Sem	Dr. NTTPS-APGENCO – IBRAHIMPATNAM, Krishna Dist	09-02-2018 & 19-03-2018	142



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DEPARTMENT OF ELECTRICAL ENGINEERING

REPORT ON EVENT

"INDUSTRIAL VISIT TO Dr. NTTPS, Ibrahim Patnam"

Event Type	:	Industrial Visit
Date / Duration	:	06-10-2017 and 07-10-2017.
Name of Industry	:	Dr.NTTPS switch yard, Ibrahimpatnam
Faculty Accompanied	:	Dr. M.S . giridhar, Mr. AV ravi Kumar, Mr. Imran Abdul, Mr. P. Rathnakar
Total no of students	:	B. Tech-VII Semester A& B Students
Objective of the event	:	To get practical exposure to power generating plants
Outcome of event	:	Students acquired practical knowledge on working of substation and various components present in the substation.
Description / Report on Event:		

The B.Tech VII Semester Students of Electrical Engineering visited **Dr NTTPS**, switch yard Vijayawada on 06-10-2017 and 07-10-2017 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.

The Final year students got the opportunity to Dr NTTPS switch yard that is 220 KV System. The students observed that 220kv switch yard receives power from Dr NTTPS power and Power from LANCO. And delivers power to various substations like podili, Nunna, gunadala, Narketpalli etc, the two out going feeders of 132 kv going to Vijayawada, and Machilipatnam. Students learnt practically various equipment present in substations such as bus bars, circuit breakers, transformers, Isolators, Lightning arrestors etc. Finally they learnt tasks of substation controlling the power in the transmission line Detects the faults in the system and isolate the faulty part of the system. by using circuit breakers they have learnt particularly about SF6 circuit breakers.



Feed back/ Suggestions

: They have learnt the substation working and they felt happy. about what they have learnt theoretically seen practically.



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REPORT ON EVENT

“INDUSTRIAL VISIT TO Hindustan Coca Cola Beverages Pvt Ltd, Guntur”

Event Type	:	Industrial Visit
Date / Duration	:	02-02-2018 and 03-02-2018
Name of Industry	:	Hindustan Coca-Cola Beverage Pvt.Limited,Mangalagiri Guntur Dist
Faculty Accompanied	:	Mr. P.sri Hari, Mr. P.Rathankar Kumar, Mr. AVGA Marthanda, Mrs G.Tabita
Total no of students	:	B. Tech-VI Semester A& B Students (140)
Objective of the event	:	To get practical exposure of Food Processing Unit using PLC
Outcome of event	:	Students acquired practical knowledge on various stages involved in Food processing, human machine interfacing, and Automation usage in processing unit
Description / Report on Event:		

The III B.Tech VI Semester Section A&B Students of Electrical Engineering visited Hindustan Coca-Cola Beverage Pvt. Limited, Mangalagiri Guntur Dist on 06-10-2017 and 07-10-2017 accompanied by two staff members (including 2 teaching & 1 non teaching).

Students observed the following things in the industry.

- production, designing of the commodity
- Manufacturing plastic & glass bottles
- Water treatment plant & pasteurization process
- Preparation of the syrup& filling
- Quality Control & testing
- Controlling, packaging (Robotic) and labeling (Laser Print for coding) and distribution process.

Feedback/suggestions: Students satisfied with the overall Industrial visit they said they want more industrial visits like this





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DEPARTMENT OF ELECTRICAL ENGINEERING

REPORT ON EVENT

“INDUSTRIAL VISIT TO Dr. NTPPS, Ibrahim Patnam”

Event Type	:	Industrial Visit
Date / Duration	:	09-02-2018 & 19-03-2018
Name of Industry	:	Dr.NTPPS, Ibrahimpatnam
Faculty Accompanied	:	Mr. K. Nagalinga Chary, Mr. Y. Murali Krishna, Mr. E. Raghu Babu, Mr. G. Srinivasa Rao
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 B.Tech IV Semester Section A Students of Electrical Engineering visited **Dr NTPPS**, Vijayawada on 09-02-2018 and 19-03-2018 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 n 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.



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