



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

A.Y	Year /Semester	Name of the Industry Visited	Dates	No.of Students visited
2021-22	B.Tech VI Sem	KUMAR Pumps ,Tenali	30-04-2022	125
	B.Tech IV Sem	LANCO Power, Kondapalli	11-09-2019 and 12-09-2019	120



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Event Type	:	Industrial Visit
Date / Duration	:	30-04-2022
Name of Industry	:	Kumar Pumps, Tenali
Faculty Accompanied	:	Mr.M.Raja Naik, Mrs T.Naga Durga, Mrs. R.Padma , Mr. V.Prabhakar Reddy
Total no of students	:	B. Tech-VI Semester A & B Students
Objective of the event	:	To get practical exposure of motors manufacturing industry.
Outcome of event	:	Students acquired practical knowledge on various stages involved in AC Motors and Pumps manufacturing process
Description / Report on Event:		

The B.Tech VI Semester Section A Students of Electrical Engineering visited **Kumar Pumps ,Tenali manufactures of Pumpsets & Electric Motors in the country** on 30-04-2022 accompanied by Six staff members (including 4 teaching & 2 non teaching).

Students Visited the following sections in Industry

Preparation of mold and casting

Surface finishing of motor casings

applying anti corrosion liquid on casings

Manufacturing, tapering, grinding

surface finish done by cnc machines

Automation of windings

assembling of parts

painting

Testing the products

For above process software they used are PLC and Numerical control methods

Finally Students observed following manufacturing process of ½ H.P to 2 HP single phase motors, and 3 HP 3 phase induction motor.

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





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Report

“INDUSTRIAL VISIT LANCO POWER , Kondapalli”

Event Type	:	Industrial Visit
Date / Duration	:	03-06-2022 TO 04-06-2022
Name of Industry	:	LANCO Power , Kondapalli
Faculty Accompanied	:	Mr..Imran Abdul, Mrs G.Tabita, Mr. K.Naga Linga Chary, Ms. I.Divya
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 & B Students of Electrical Engineering visited **LANCO Power**, Kondapalli on 03-06-2022 and on 04-06-2022 accompanied by two staff members each day.

After arriving the industry students are divided into batches accompanied by Operation and Maintenance Incharge LANCO Power. Students have first time observed how the energy conversion takes place for power generation that too from Gas as fuel. Students came to know the Natural gas is supplied GAIL India Ltd and it is combined cycle power plant which use braton cycle, followed by heat recovery steam generator and steam Turbine which uses Rankine cycle which are more efficient than simple gas power plants.

The total capacity of the plant is 1476 W. Students have learned how theoretical concepts applied practically here. Students practically saw high capacity alternators and how they are connected to grid through step up Transformers and various switch gear equipment. Students also has opportunity to see 220KV Outdoor substation and 400KV Gas Insulated indoor substation.

Feed back/ Suggestions : Overall students are satisfied with this Industrial visit and they said they need more industrial visits like this.



