



REPORT ON GUEST LECTURE

1	Name of the Activity/Event	"POWER PLANT ENGINEERING - BOILERS"		
2	Date of Activity/Event	17-05-2022		
3	Organized by/Name of the committee	Department of EEE		
4	Place of Activity/event	Narayana Engineering college , Nellore		
5	Resource person/guest/organization	Mr.Jagannathan S, Executive Engineer, Thermal Power Plant-I, Chennai		
6	Type of activity/Event	GUEST LECTURE		
7	Activity/Event objectives	1. knowledge on plant boilers		
8	Participation	Students	Faculty	Total Participation
		62	2	64
9	General remarks	A clear understanding of other components in the power plant is required.		
10	Suggested Improvements	Need full day session		
11	Enclosures	1.photos 2.attendance report		

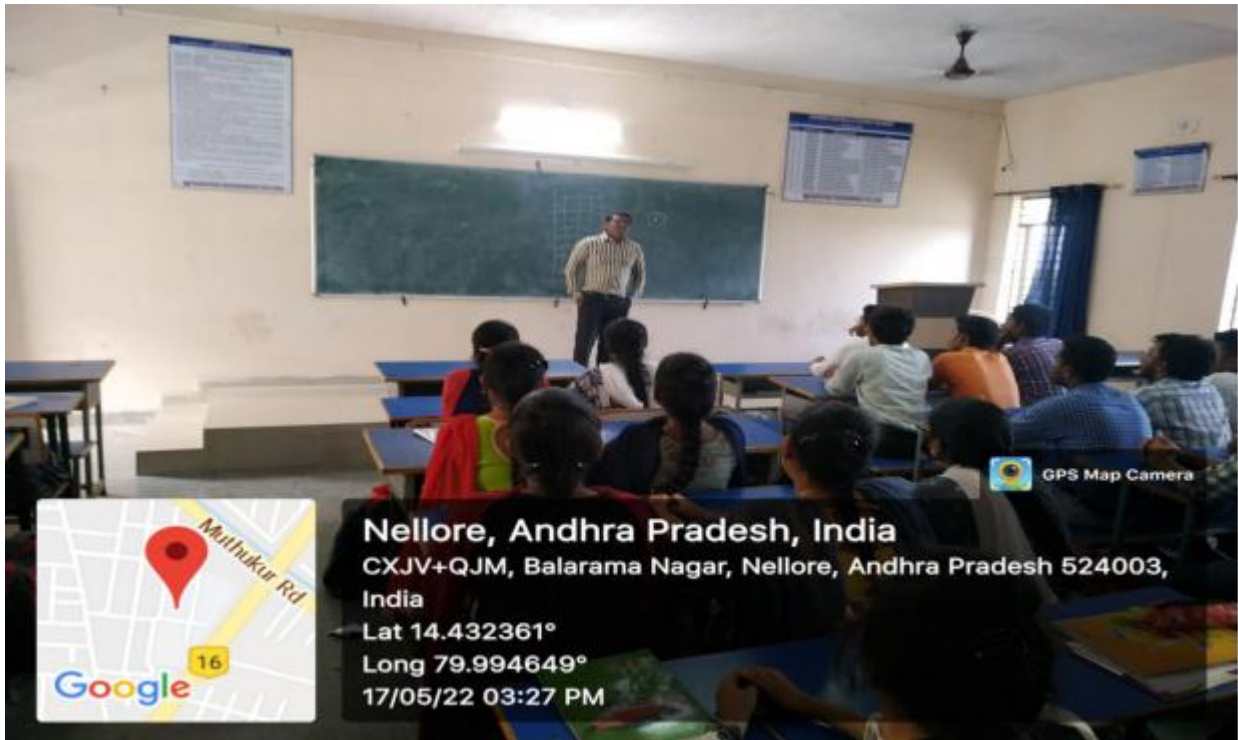
Guest Lecture was conducted by the department of EEE, NEC Nellore on 17.5.2022 from 3.00 pm to 5.00 pm Chief guest our college Mr.Jagannathan S, Executive Engineer, Thermal Power Plant-I, Chennai, has taken a lecture on topic "POWER PLANT ENGINEERING -BOILERS" for second year students.

The speaker explains the Basics of Boilers were built as early as the 1st century AD by Hero of Alexandria but were used only as toys. Not until the 17th century was serious consideration given to the



potential of steam power for practical work. The first boiler with a safety valve was designed by Denis Papin of France in 1679 boilers were made and used in England by the turn of the 18th century. Early boilers were made of wrought iron as the advantages of high pressure and temperature were realized, manufacturers turned to steel. Modern boilers are made of alloy steel to withstand high pressures and extremely high temperatures.

They also discussed about Most of the conventional steam boilers are used in present plants. Rise in demand for steam boilers from end-use industries across the globe is a key factor driving the growth of the steam boiler market. In addition, increase in investment toward the power generation sector, owing to rise in electricity demand significantly contributes to the growth of the global steam boiler market. However, increase in investment in renewable energy power generation, stringent governmental regulations toward greenhouse gas emissions from conventional fuel sources, and high initial cost associated with steam boilers hamper the growth of the global market. Conversely, technological advancements in steam boilers for high heating efficiency and upgrading of aging power generation infrastructure are expected to create potential growth opportunities for key players operating in the market.



Mr.Jagannathan addressing the students





NARAYANA ENGINEERING COLLEGE::NELLORE



AUTONOMOUS

Mr.Jagannathan delivering the lecture



listening students

HOD

PRINCIPAL