



Diwaliba Polytechnic, Mahuva

Report of “Expert Talk on Recent Trends in Thermal Power Plant”

A. Personal Details:

Name of Coordinators:	Nitiksha Pancholi Pratik Gamit	Speaker:	Mr. Jay Patel Assistant Professor, AMTICS, UTU.
Place:	Diwaliba Polytechnic Uka Tarsadia University Mahuva-Maliba Campus, Mahuva - 394 250. Tal: Mahuva Dist. Surat, Gujarat, INDIA	Organized by:	Electrical Department
Participants:	Electrical: 12 Mechanical:7 Total: 19	Date of Expert Talk:	15/03/2023

B. Purpose of Session:

The purpose of an expert talk on recent trends in thermal power plants is to provide insights and updates on the latest technological advancements and strategies being implemented in the design, operation, and maintenance of thermal power plants. This may include topics such as the use of renewable energy sources, energy-efficient equipment, emission reduction technologies, digitalization, and the adoption of sustainable practices. The goal is to inform and educate stakeholders in the industry on how to optimize thermal power plant performance while minimizing environmental impact and ensuring energy security.

C. Activity Carried-Out :

An expert talk on the "Recent trends in Thermal Power Plant" include the operation of a thermal power plant and its protection system, All students actively listened and took notes on the various components and processes involved in generating electricity through thermal power. And also students also participated in a Q&A session with the expert to clarify any doubts or queries that I had regarding the topic. Additionally, Students engaged in discussions to gain a deeper understanding of the subject matter and exchanged ideas on how the knowledge gained could be applied in real-world scenarios.

D. Outcome of Session:

In general, an expert talk on "Recent trends in Thermal Power Plant" include the operation of a thermal power plant and its protection system would likely cover topics such as the principles of thermodynamics, how steam turbines work, the types of fuels used in thermal power plants, the basics of electrical power generation, and the different types of protection systems used to ensure the safe and efficient operation of the plant. As a student, attending such a talk could help you gain a deeper understanding of the science and engineering behind thermal power generation, as well as the practical considerations involved in running and maintaining a thermal power plant.

E. Some Glances of the Expert Talk:





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