

G. L. Bajaj Institute of Technology & Management, Greater Noida

Department of Mechanical Engineering

Summary report of FDP

Name of event:

Faculty Development Program on “Modern Thermal Power Generation Technologies”

Dates: 29th January to 2nd February 2019

A Faculty Development Program (FDP) on “Modern Thermal Power Generation Technologies” was organized by Department of Mechanical Engineering, G. L. Bajaj Institute of Technology & Management, Greater Noida. The FDP was organized from 29th January to 2nd February 2019.

Major Contents covered in FDP

1. Functioning of thermal power plants, drawbacks, challenges and impact on environment.
2. Super Critical and Ultra Critical Thermal Power Plants.
3. Reduction of smoke generation and commercial use of waste gases and laid down standards for minimizing the pollution.
4. Design of Turbines and generators for modern thermal power plants.
5. Material for super critical and ultra-critical to counter the deteriorating impacts like slugging, steam oxidation, exfoliation, sulfidation and corrosion etc.
6. Combined cycle and gas turbine plants.
7. Governing, automation and control of steam turbine.
8. Various fuels used in atomic power plants for power generation.
9. Protection from radiation and waste disposal and protection of surroundings in Atomic Power Plants.
10. Commercial solar power generation plants.

The detailed program schedule of FDP is given in next pages.

Dr. Satish Chand
Coordinator of FDP
Department of Mechanical Engineering