



# IEI STUDENT CHAPTER

(422003/METI/EL)

MET's Institute of Engineering  
Department of Electrical Engineering



## DETAILS OF STUDENT CHAPTER ACTIVITY

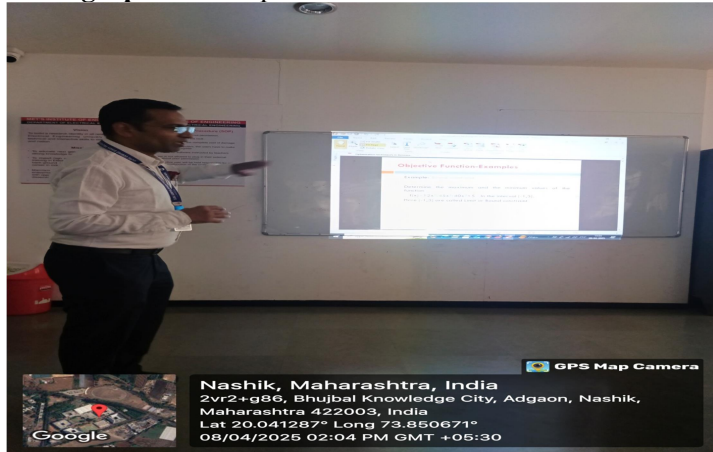
**Title /Theme: Optimization Techniques in Renewable Energy Generation (Expert lecture - Seminar)**

**Date :** 08/04/2025

**Duration:** 2 hr

**No of Students Participated:** 45

**Photographs with caption:**



(Dr Agrawal sir Delivering Lecture)

**Photographs with caption:**



(Students And Staff Participated)

### **Details:**

**Chief Guest/ Guest of Honor/ Speaker:** Dr. Rahul Agrawal

**Designation /Organization:** Professor & Head EED GGSCOE & RC Nashik

### **Report**

The Department of Electrical Engineering of MET's institute of Engineering, organize Expert lecture on "**Optimization Techniques in Renewable Energy Generation**" on April 8, 2025. As electrical engineer, student must aware about real base problem in power system and following important information getting from this lecture. Optimization in power systems involves finding the best operating conditions to minimize costs, maximize efficiency, and improve reliability. It's a crucial aspect of power system operation and planning, addressing various problems like load flow, generation scheduling, and grid modernization.

1. Objectives and Applications
2. Optimization Techniques
3. Challenges
4. Benefits of Optimization