

Lesson Plan

Name of the Faculty : Mr. Pardeep
Discipline : Electrical & Electronics Engineering
Semester : 6th
Subject : Conventional and Renewable Energy Resources (OEC-EE-08G)
Lesson Plan Duration : 15 Weeks (from May. 2021 to August 2021)

** Work Load (Lecture) per week (in hours): Lectures-02, Practicals-0

Week	Theory		Practical	
	Lecture Day	Topic (including assignment/test)	Practical day	Topic
1 st	1 st	Energy sources, their availability.		
	2 nd	Recent trends in Power Generation.		
2 nd	3 rd	Amount of generation of electric power from Conventional and non conventional sources of energy in Haryana India and some developed countries of the world.		
	4 th	Interconnected Generation of Power Plants.		
3 rd	5 th	Load forecasting, load curves, load duration curve.		

	6 th	Base load and Peak load Power Plants.		
4 th	7 th	Connected Load, maximum demand, demand factor.		
	8 th	Group diversity factor, load factor.		
5 th	9 th	Significance of load factor, plant factor.		
	10 th	Capacity factor, selection of unit size.		
6 th	11 th	No. of Units, reserves.		
	12 th	Cost of powergeneration, Depreciation, tariff.		
7 th	13 th	Selection of site.		
	14 th	Capacity calculations.		
8 th	15 th	Classification of Thermal Power Stations(TPS).		

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	16 th	Schematic diagram and working of Thermal Power Stations(TPS).		
9 th	17 th	HydroElectric Plant.		
	18 th	Nuclear Power Plant.		
10 th	19 th	Wind Systems.		
	20 th	Solar Systems		
11 th	21 th	fuel cell.		
	22 nd	Magneto Hydro Dynamic (MHD) system.		
12 th	23 nd	Energy management.		
	24 nd	Energy Audit.		
13 th	25 nd	Energy Efficient Motors.		
	26 nd	Co-generation.		
14 th	27 nd	Revision		
	28 nd	Revision		
15 th	29 nd	Revision		
	30 nd	Revision		