



LESSON PLAN

(Academic Session: Aug.-December, 2026)

Program Name	Electrical Engineering
Course Title	Introduction to Electrical Generation System Lab
Course Code	EEPC-203
Semester	3 rd
Course Teacher Name	Ved Prakash Verma

Evaluation Scheme

Sr. No.	Subject Code	Subject	Study Scheme			Total Study Hours	Credits	Evaluation Scheme								Total Marks
								Internal Assessment			External Assessment					
			Th	Pr	DCS			Th	Pr	Total	Th	Hrs	Pr	Hrs	Total	
1	EEPC-203	IEGS Lab	-	2	1	2	1	-	40	40	-	-	60	3	60	100

References Books

1. **P. K. Nag**, *Power Plant Engineering*, **McGraw Hill Education** – Covers laboratory concepts related to thermal, hydro, diesel, nuclear, solar, and wind power plants.
2. **NPTEL – Power Plant Engineering (IIT Kharagpur/IIT Roorkee)** – Video lectures covering conventional and renewable power plants, their operation, components, and maintenance. **Website:** <https://nptel.ac.in>

Course Outcomes (Cos)

COs	Course Outcomes	Level
1	Identify the major components and routine maintenance requirements of conventional and renewable energy power plants.	L2: Understand
2	Assemble and dismantle laboratory models of diesel generator, micro-hydro, solar PV, and CSP power plants following standard procedures.	L3: Apply
3	Demonstrate safe operating and maintenance practices for conventional and renewable energy power plant systems	L3: Apply

Practical Performing Plan

No. of Lab. Classes Planned	Practical to be perform/conduct	Proposed date (as per time table)		Actual Date		Remarks
		G-I	G-II	G-I	G-II	
1	Identify the routine maintenance parts of the gas fired thermal power plant after watching a video programme	03.08.26	05.08.26			
2	Assemble and dismantle a small diesel generator power plant	10.08.26	12.08.26			
3	Identify the routine maintenance parts of the nuclear fired thermal power plant after watching a video programme	17.08.26	19.08.26			
4	Identify the routine maintenance	24.08.26	26.08.26			

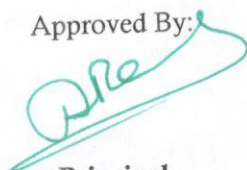
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	parts of the large hydro power plant after watching a video programme					
5	Identify the routine maintenance parts of the micro hydro power plant after watching a video programme	07.09.26	02.09.26			
6	Assemble a micro hydro power plant and then dismantle it.	14.09.26	09.09.26			
7	Assemble the parabolic trough or parabolic dish Concentrated Solar Power (CSP) plant	21.09.26	16.09.26			
8	Assemble the solar PV plant to produce electric power and then dismantle it	28.09.26	23.09.26			
9	Dismantle the parabolic trough or parabolic dish CSP plant.	05.10.26	30.09.26			
10	Identify the routine maintenance parts of the large wind power plant after watching a video programme	19.10.26	07.10.26			
11	Identify the routine maintenance parts of the horizontal axis small wind turbine after watching a video programme.	02.11.26	14.10.26			
12	Identify the routine maintenance parts of the vertical axis small wind turbine after watching a video programme.	09.11.26	21.10.26			
13	Make-up labs	16.11.26	28.10.26			
14	-do-	23.11.26	04.11.26			
15	-do-	--	18.11.26			
16	-do-	--	25.11.26			

Signature of Course Teacher with Name


Ved Prakash
HOD(Elect.Engg)

Approved By:


Principal
ABVGIET, P/Nagar