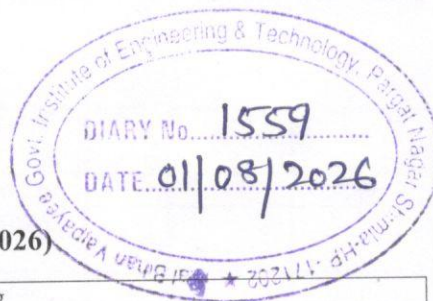


LESSON PLAN

(Academic Session: August-December, 2026)



Program Name	Electrical Engineering
Course Title	Electric Vehicles Lab
Course Code	EEPE-303-iii
Semester	5 th
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	EEPE-303-iii	EV Lab	-	2	1	2	1	-	40	40	-	-	60	3	60	100

References Books/ Video Lectures

1. C. C. Chan and K. T. Chau, *Modern Electric Vehicle Technology*, Oxford University Press.
2. NPTEL Video Course (IIT Madras): *Introduction to Electric Vehicles* by Prof. Ashok Jhunjhunwalaks

Course Outcomes (Cos)

COs	Course Outcomes	Level
1	Develop EV and HEV block/schematic diagrams and identify their major components	L3: Apply
2	Compare electric vehicles and battery technologies based on technical, economic, and environmental aspects.	L4 – Analyze
3	Apply EV charging practices and safety procedures for handling EVs and HEVs	L3: Apply

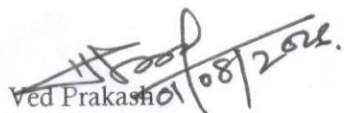
Practical Performing Plan

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	Develop block diagram of Electric vehicle and identify parts.	11.08.26	13.08.26			
2	-do-	18.08.26	20.08.26			
3	Case study- Compare minimum four vehicles for economic and environmental analysis.	25.08.26	27.08.26			
4	-do-	01.09.26	03.09.26			
5	Develop schematic diagram of hybrid electric vehicle and identify various components	08.09.26	10.09.26			
6	-do-	15.09.26	17.09.26			

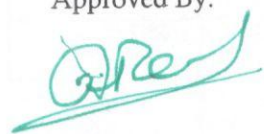
7	Prepare report on Plug in Electric vehicle by visiting a charging station	22.09.26	24.09.26			
8	-do-	29.09.26	01.10.26			
9	Prepare a report on batteries used from market survey	06.10.26	08.10.26			
10	-do-	13.10.26	15.10.26			
11	Case study- Compare various types of batteries used in electric vehicles	27.10.26	22.10.26			
12	-do-	03.11.26	29.10.26			
13	List safety procedures and schedule for handling HEVs and EVs.	17.11.26	19.11.26			
14	-do-	----	26.11.26			

Note: The planned lectures do not include 2 days for the Class Test, 3 days for House Tests, and 3 days for the Diwali vacation.

Signature of Course Teacher with Name


Ved Prakash
HOD(Elect. Engg)

Approved By:


Principal
ABVG IET, P/Nagar