



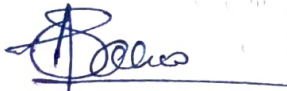
SYNERGY SCHOOL OF ENGINEERING
DEPARTMENT OF ELECTRICAL ENGINEERING

Discipline : Electrical Engineering	Semester: - 5TH sem EE	Name of the teaching faculty: -AMARENDRA BEHERA		
Subject: - Electric Vehicles Laboratory	No. of Days/week class Allotted: 4	No. of weeks: -15 SESSION-2026-27 WINTER Starting date- 11/11/2024 Ending date- 5/11/2024		
No. of week	No. of lab class	Topic to be Taught	DATE OF DELOVERY	
			G1	G2
1 ST	1 st	Develop block diagram of Electric vehicle and identify parts		
	2 nd	Develop block diagram of Electric vehicle and identify parts		
2 ND	1 st	Develop block diagram of Electric vehicle and identify parts		
	2 nd	Case study- Compare minimum four vehicles for economic and environmental analysis		
3 RD	1 st	Case study- Compare minimum four vehicles for economic and environmental analysis		
	2 nd	Case study- Compare minimum four vehicles for economic and environmental analysis		
4 TH	1 st	Develop schematic diagram of hybrid electric vehicle and identify the components		
	2 nd	Develop schematic diagram of hybrid electric vehicle and identify the components		
5 TH	1 st	Develop schematic diagram of hybrid electric vehicle and identify the components		
	2 nd	Prepare report on Plug in Electric vehicle by visiting a charging station		
6 TH	1 st	Prepare report on Plug in Electric vehicle by visiting a charging station		
	2 nd	Prepare report on Plug in Electric vehicle by visiting a charging station		
7 TH	1 st	Inspect and install inverter of given lead acid battery		
	2 nd	Inspect and install inverter of given lead acid battery		
8 TH	1 st	Inspect and install inverter of given lead acid battery		
	2 nd	Prepare a report on batteries used from market survey		
9 TH	1 st	Prepare a report on batteries used from market survey		
	2 nd	Prepare a report on batteries used from market survey		
10 TH	1 st	Collect specifications of converters and inverters used for Electric vehicles a single lamp control by two switches		
	2 nd	Collect specifications of converters and inverters used for Electric vehicles a single lamp control by two switches		
11 TH	1 st	Collect specifications of converters and inverters used for Electric vehicles a single lamp control by two switches		
	2 nd	Diagnose, repair and maintain battery used in electric vehicle		
12 TH	1 st	Diagnose, repair and maintain battery used in electric vehicle		
	2 nd	Diagnose, repair and maintain battery used in electric vehicle		
13 TH	1 st	Prepare test procedure for equipment used in Electric vehicle		
	2 nd	Prepare test procedure for equipment used in Electric vehicle		


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14 TH	1 st	Prepare test procedure for equipment used in Electric vehicle		
	2 nd	List safety procedures and schedule for handling HEVs and EVs.		
15 TH	1 st	List safety procedures and schedule for handling HEVs and EVs.		
	2 nd	List safety procedures and schedule for handling HEVs and EVs.		

Prepared by



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