

Academic Session :- 2022-2023(S)							
Subject- AE & HV		Subject Code- TH-2		Total Periods:- 60 per Semester			
Teacher:- Er. SHUBHASINI MUDULI ( PTGF , MECHANICAL)				Theory:- 4p/week			
SEMESTER:- 6TH							
MONTH	WEEK	DATE/ PERIODS	SYLLABUS TO BE COVERED	SYLLABUS ACTUALLY COVERED	SHORT FALL	Signature	
FEBRUARY	3RD	14-02-2023	INTRODUCTION AND TRANSMISSION SYSTEM : 1 Automobile : Defination, Need and Classification				
		15-02-2023	Layout of automobile chassis with major components (Line diagram)				
		15-02-2023	Layout of automobile chassis with major components (Line diagram)				
	4TH	21-02-2023	Clutch System: Need, Types (Single & Multiple)				
		22-02-2023	Working principle with sketch				
		22-02-2023	Gear Box: Purpose of gear box				
		25-02-2023	Construction and working of a 4 speed gear box				
	5TH	28-02-2023	Concept of automatic gear changing mechanisms				
	MARCH	1ST	01-03-2023	Propeller shaft: Constructional features			
			01-03-2023	Propeller shaft: Constructional features			
04-03-2023			Differential: Need, Types and Working principle				
2ND		11-03-2023	Differential: Need, Types and Working principle				
3RD		14-03-2023	BRAKING SYSTEMS: Braking systems in Automobiles : Need and types				
		15-03-2023	Mechanical Brake & Hydrulic Brake				
		15-03-2023	Air Brake				
		18-03-2023	Air assisted Hydraulic Brake				
4TH		21-03-2023	Vacuum Brake				
		22-03-2023	IGNITION & SUSPENSION SYSTEM: Describe the Battery ignition and Magnet ignition system				
		22-03-2023	Spark plugs: Purpose				
		25-03-2023	construction and specifications				
5TH		28-03-2023	State the common ignition troubles and its remedies				
	29-03-2023	Description of the conventional suspension system for Rear and Front axle					

		29-03-2023	Description of independent suspension system used in cars (coil spring and tension bars)			
APRIL	2ND	04-04-2023	Constructional features and working of a telescopic shock absorber			
		05-04-2023	Constructional features and working of a telescopic shock absorber			
		05-04-2023	Constructional features and working of a telescopic shock absorber			
		08-04-2023	COOLING AND LUBRICATION: Engine cooling: Need and classification			
	3RD	11-04-2023	Engine cooling: Need and classification			
		12-04-2023	Describe defects of cooling and their remedial measures			
		12-04-2023	Describe defects of cooling and their remedial measures			
		15-04-2023	Describe the Function of lubrication			
	4TH	18-04-2023	Describe the Function of lubrication			
		19-04-2023	Describe the lubrication System of I.C. engine			
		19-04-2023	FUEL SYSTEM: Describe Air fuel ratio			
		22-04-2023	FUEL SYSTEM: Describe Air fuel ratio			
	5TH	25-04-2023	Describe Carburetion process for Petrol Engine			
		26-04-2023	Describe Multipoint fuel injection system for Petrol Engine			
		26-04-2023	Describe the working principle of fuel injection system for multi cylinder			
		29-04-2023	Filter for diesel engine			
MAY	1ST	02-05-2023	Describe the working principle of Fuel feed pump and Fuel Injector for Diesel engine			
		03-05-2023	Describe the working principle of Fuel feed pump and Fuel Injector for Diesel engine			
		03-05-2023	ELECTRIC AND HYBRID VEHICLES: Introduction, Social and Environmental importance of Hybrid and Electric Vehicles			
		06-05-2023	Describe the working principle of Fuel feed pump and Fuel Injector for Diesel engine			
	2ND	09-05-2023	Description of Electric Vehicles, operational advantages			
		10-05-2023	present performance and applications of Electric Vehicles			

	2ND	10-05-2023	Battery for Electric Vehicles, Battery types and fuel cells			
		13-05-2023	Hybrid vehicles, Types of Hybrid and Electric Vehicles: Parallel			
	3RD	16-05-2023	Series, Parallel and Series configurations			
		17-05-2023	Drive train			
		17-05-2023	Solar powered vehicles			
		20-05-2023	Solar powered vehicles			
	4TH	23-05-2023	REVISION			

*Subhasini Module*