

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF  
ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER  
Session-2022-2023

Discipline: Mechanical Engg.

Semester: 6th

Subject: AEHV (SEC-B)

Name of the Teaching Faculty: S. P. Rath

Subject: AEHV No. of Days/per week class allotted 4

Semester From Date : 14/02/2023 To Date : 23/05/23 No. of Weeks : 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
	Automobile Engg.	History of Automobile	History of Automobile	<u>Smith</u>
	Automobile Engg.	Definition	Definition	<u>Smith</u>
	Automobile Engg.	Classification	Classification	<u>Smith</u>
	Automobile Engg.	Their main parts	Their main parts.	<u>Smith</u>
	Clutch	Types and their needed	Discussed	<u>Smith</u>
	Clutch	Working Principle	Working Principle	<u>Smith</u>
	Gear box	Purpose Construction	purpose Construction	<u>Smith</u>
	Gear box	Gear Changing mechanism	Gear Changing mechanism	<u>Smith</u>
	Propeller Shaft	Classification and failure	Discussed	<u>Smith</u>
	Differential	types and working	Discussed	<u>Smith</u>
	Chassis	Layout	Discussed	<u>Smith</u>

Subject: AE & HV No. of Days/per week class allotted 04

Semester From Date: 14/02/23 To Date: 23/05/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
	Braking System	Define	Define	<u>Srith</u>
	Types of Braking system	1. mechanical brake	Discussed.	<u>Srith</u>
	"	2. Hydraulic brake	Discussed	<u>Srith</u>
	"	3. Air brake	Discussed	<u>Srith</u>
	"	4 Vacuum brake	Discussed	<u>Srith</u>
	Ignition and Suspension	introduction	introduction	<u>Srith</u>
	Battery Ignition system	Working Principle	Discussed	<u>Srith</u>
	Magneto Ignition system	Working Principle	Discussed	<u>Srith</u>
	Spark plug	Purpose	Purpose	<u>Srith</u>
	Spark plug	Construction and Specification	Discussed	<u>Srith</u>
	Ignition	Trouble and Remedies	Discussed	<u>Srith</u>

subject: AE & HV No. of Days/per week class allotted 04

Semester From Date: 14/02/23 To Date: 23/05/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
	Suspension System	Rear and front axle	Discussed	<u>Sruth</u>
	"	Suspension System	Discussed	<u>Sruth</u>
	Coil spring and Tension bar	Discussed it	Discussed it	<u>Sruth</u>
	Telescopic shock absorber	Define	Define	<u>Sruth</u>
	Cooling and lubrication	Define	Define	<u>Sruth</u>
	Engine Cooling	Needed	Needed	<u>Sruth</u>
	Engine Cooling	classification	classification	<u>Sruth</u>
	"	Defects	Defects	<u>Sruth</u>
	"	Remedies measure	Remedies measure	<u>Sruth</u>
	lubrication	Function	Function	<u>Sruth</u>
	"	lubrication System	Discussed	<u>Sruth</u>

Subject: AE & HV No. of Days/per week class allotted 04

Semester From Date: 14/02/23 To Date: 23/05/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
	Class test	Class test	Class test	<u>Smith</u>
	Fuel System	Introduction	Introduction	<u>Smith</u>
	Air fuel ratio	Describe	Described	<u>Smith</u>
	Carburetor	Describe	Described	<u>Smith</u>
	Carburation process	For petrol engine	For petrol engine	<u>Smith</u>
	Fuel Injection System	Petrol engine	petrol engine	<u>Smith</u>
	"	Working principle	multi-cylinder engine.	<u>Smith</u>
	Filter	For diesel engine	For diesel engine	<u>Smith</u>
	Fuel feed pump	Working principle	Discussed	<u>Smith</u>
	Fuel injector	For diesel engine	Diesel engine	<u>Smith</u>
	Class test	Class test	Class test	<u>Smith</u>

Subject: AE & HV No. of Days/per week class allotted 04

Semester From Date: 14/02/23 To Date: 23/05/23 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
	Electric and Hybrid vehicle	Introduction	Introduction	<u>Sritha</u>
	Imp. of Hybrid vehicle	For Social	Environmental	<u>Sritha</u>
	Electric vehicle	Describe	Advantages	<u>Sritha</u>
	Electric vehicle	Performance and application	Discussed	<u>Sritha</u>
	Battery	For electric vehicle	Discussed	<u>Sritha</u>
	"	Fuel cells and their types	Discussed	<u>Sritha</u>
	Hybrid vehicle	Description	Description	<u>Sritha</u>
	Hybrid vehicle	Types	Types	<u>Sritha</u>
	Parallel and series configuration	Discussed	Discussed	<u>Sritha</u>
	Drive train	Derive	Derive	<u>Sritha</u>
	Class test	Class test	Class test	<u>Sritha</u>

