

**GOVERNMENT POLYTECHNIC, MALKANGIRI
DEPARTMENT OF MECHANICAL ENGINEERING**

LESSON PLAN

Discipline: Mechanical Engineering	Semester: 6th	Name of the Teaching Faculty: SATYABAN KOPE
Subject: AUTOMOBILE ENGINEERING LAB	No. of days/week class allotted 4	Semester From date:22.12.2025 To date:18 .04.2026 No. of Week: 15
Course Outcomes	1.Understand the construction and functions of automobile chassis and major vehicle systems. 2.Explain the working principle of differential and gearbox mechanisms used in automobiles and tractors. 3.Analyze the operation of hydraulic braking systems and fuel supply systems 4.Identify components and working of carburetor, fuel pump, and engine using cut-section models. 5.Develop practical skills in observing, handling, and interpreting actual automobile components and engines.	
Week	Class Day	Theory/Practical Topics
1st	1st	Study of Automobile chassis.
	2nd	Study of Automobile chassis.
2nd	1st	Study of Automobile chassis.
	2nd	Study the differential mechanism of the Tractor.
3rd	1st	Study the differential mechanism of the Tractor.
	2nd	Study the differential mechanism of the Tractor.
4th	1st	Study the differential mechanism of the Tractor.
	2nd	Study the hydraulic braking system of automobile.
5th	1st	Study the hydraulic braking system of automobile.
	2nd	Study the hydraulic braking system of automobile.
6th	1st	Study the hydraulic braking system of automobile.
	2nd	Study Study the cut section model of carburetor solex type and maruti car type.
7th	1st	Study Study the cut section model of carburetor solex type and maruti car type.
	2nd	Study Study the cut section model of carburetor solex type and maruti car type.
8th	1st	Study Study the cut section model of carburetor solex type and maruti car type.
	2nd	Study Study the cut section model of carburetor solex type and maruti car type.
9th	1st	Study the fuel pump cut section model.
	2nd	Study the fuel pump cut section model.
10th	1st	Study the fuel pump cut section model.
	2nd	Study the fuel pump cut section model.
11th	1st	Study the fuel pump cut section model.
	2nd	Study the actual cut section of gear box.
12th	1st	Study the actual cut section of gear box.
	2nd	Study the actual cut section of gear box.
13th	1st	Study the actual cut section of gear box.
	2nd	Study of actual car engine.
14th	1st	Study of actual car engine.
	2nd	Study of actual car engine.
15th	1st	Study of actual car engine.
	2nd	Study of actual car engine.

Satyaban Kope

Signature of Faculty

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Signature of HOD/

[Signature]

Signature of Academic Coordinator

Signature of Principal