

# KIIT POLYTECHNIC, BHUBANESWAR

## LESSON PLAN

Session (2023 -2024)

<b>Discipline:</b> Mechanical Engineering	<b>Semester:</b> 6 <sup>th</sup> Summer-2024	<b>Name of the faculty:</b> Tushar Kanta Mahapatra <b>Email Id:</b> tushar.mahapatrafme@kp.kiit.ac.in
<b>Subject:</b> Automobile Engineering Lab.	<b>No. of Days/week:</b> 02 (6 periods / week)	<b>Start Date:</b> 16/01/2024 <b>End Date:</b> 26/04/2024

Week	Class Day	Practical Topics
1 <sup>st</sup>	1st	Laboratory Visit and familiarize with laboratory. Understanding Laboratory instructions and safety rules.
	2nd	Sketching chassis of an Automobile car layout and understanding the location and function of different components of Automobile chassis.
2 <sup>nd</sup>	1st	Present on Automobile chassis.
	2nd	Viva, Report writing & Evaluation
3 <sup>rd</sup>	1st	Study the differential mechanism of the Tractor
	2nd	Model study
4 <sup>th</sup>	1st	Visit the Automobile Workshop
	2nd	Viva, Report writing & Evaluation
5 <sup>th</sup>	1st	Student gave presentation on Braking and Transmission System.
	2nd	Study the hydraulic braking system of automobile.
6 <sup>th</sup>	1st	Model Study of Hydraulic braking system.
	2nd	Viva, Report writing & Evaluation
7 <sup>th</sup>	1st	Study the cut section model of carburetor Solex type and maruti car type.
	2nd	Model study of Carburetor.
8 <sup>th</sup>	1st	Viva, Report writing & Evaluation
	2nd	Study the actual cut section of gear box
9 <sup>th</sup>	1st	Demonstration the cut section of Gear box.
	2nd	Viva, Report writing & Evaluation
10 <sup>th</sup>	1st	Study the fuel pump cut section model
	2nd	Model study of fuel pump.
11 <sup>th</sup>	1st	Central Automobile workshop visit
	2nd	Viva, Report writing & Evaluation
12 <sup>th</sup>	1st	Students give Presentation of Automobile Electric System.
	2nd	Study of actual car engine
13 <sup>th</sup>	1st	Model study of Car Engine.
	2nd	Students give presentation on TOYOTA car engine.
14 <sup>th</sup>	1st	Students give presentation on parts of different Car body parts.
	2nd	Viva, Report writing & Evaluation
15 <sup>th</sup>	1st	Revision
	2nd	Sessional