

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF AUTOMOBILE ENGINEERING



LESSON PLAN

SUBJECT: VEHICLE MAINTENANCE AND MOTOR VEHICLE ACT

FACULTY: INAYAT ALLI KHAN

SESSION : 2022-2023 (S)

ACCADEMIC SESSION: 2022-23

SEMESTER: 6TH

Sd/-
H O D (Automobile Engg.)
Sr. Lecturer
Automobile Engg. Dep.
BOSE Cuttack

AUTOMOBILE ENGINEERING DEPARTMENT

VISSION:

To develop competent, disciplined imaginative Automobile engineers, equipped with core competency and technical skills useful to the learning / teaching community and the industrial fraternity.

MISSION:

M1: To provide with operational and technical inputs to get innovative and research ideas in the field of automotive engineering.

M2: To give inputs for higher education with management qualities for the betterment of the society.

M3: Skilling with modern engineering tools necessary to meet and solve engineering problems.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1: To provide technical skills to diagnose and apply the concept of automotive system

PEO2: To prepare to design, fabricate and innovate in automobile sector to face the industrial challenges.

PEO3: To inculcate with good communication skills, ethics and entrepreneurship skills to play the key role in automotive industry.

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Discipline:- AutomobileEngg.	Semester:- 6th	Nameoftheteachingfaculty:- INAYATALLIKHAN
SubjectName:- VEHICLE MAINTENANCE AND MOTOR VEHICLE ACT	No.OfDays/WeekClassAllotted :- 04 Periods/Week(Monday,Tuesday, Wednesday, Friday – 1 PeriodEach)	SemesterfromDate 14/02/2023 ToDate 23/05/2023 No.of Weeks: 15
WEEK	DATE	TOPIC
1 st	14/02/2023	Introduction
	15/02/2023	Need of maintenance
	17/02/2023	Types of maintenance systems
2 nd	20/02/2023	Breakdown maintenance
	21/02/2023	Preventive maintenance
	22/02/2023	Predictive maintenance
	24/02/2023	Total productive maintenance
3 rd	27/02/2023	Service station and types
	28/02/2023	Private service stations Company's authorized service stations Company's dealer service stations
	01/03/2023	Private service stations Company's authorized service stations Company's dealer service stations
	03/03/2023	Criteria for service station Workshop layout
4 th	06/03/2023	Important elements in workshop layout
	07/03/2023	Holiday
	08/03/2023	Holiday
	10/03/2023	Workshop documents and record Job card and its importance
5 th	13/03/2023	Workshop documents and records Job card and its importance
	14/03/2023	Introduction
	15/03/2023	List of tools List of equipments

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		Spanners or wrenches
	17/03/2023	Double ended open jaw spanner(fix spanner) Double ended ring spanner Combination spanner
6 th	20/03/2023	Double ended open jaw spanner(fix spanner) Double ended ring spanner Combination spanner
	21/03/2023	Socket or box spanner Screw driver
	22/03/2023	Types of screw and screw drivers Torque wrenches Pliers Allen keys
	24/03/2023	CLASS TEST
7 th	27/03/2023	DISCUSSION
	28/03/2023	Hammers Chisels Files
	29/03/2023	Hacksaws Wire brush and scraper Taps and dies
	31/03/2023	Drill bits Reamers Measuring tools
8 th	03/04/2023	Valve spring compressors Piston ring compressor Oil filter wrenches
	04/04/2023	Puller Coil spring compressor set Tyre levers
	05/04/2023	Tool box

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		C-clamp Pneumatic tools
	07/04/2023	Holiday
9 th	10/04/2023	Drilling machine Grinder Jack – (mechanically operated jack and hydraulic jack)
	11/04/2023	Lubrication equipments Tyre changer Wheel balancer
	12/04/2023	Wheel aligner Brake bleeding equipments High pressure compressor
	14/04/2023	Holiday
10 th	17/04/2023	High pressure car wash machine Engine analyser
	18/04/2023	Hydraulic press Spark plug tester and cleaner machine
	19/04/2023	Injector tester and cleaner machine Battery charging and testing machine
	21/04/2023	Troubles, Causes & remedies in engine, fuel system, cooling system, lubrication system & MPFI Engine
11 th	24/04/2023	Troubles, Causes & remedies in engine, fuel system, cooling system, lubrication system & MPFI Engine
	25/04/2023	Troubles, Causes & remedies in engine, fuel system, cooling system, lubrication system & MPFI Engine
	26/04/2023	Troubles, Causes & remedies in engine, fuel system, cooling system, lubrication system & MPFI Engine
	28/04/2023	Troubles, Causes & remedies in engine, fuel system, cooling system, lubrication system & MPFI Engine
12 th	01/05/2023	Service, repair and overhaul of engine
	02/05/2023	Service, repair and overhaul of engine
	03/05/2023	Service, repair and overhaul of engine

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13 th	05/05/2023	Holiday
	08/05/2023	Service, repair and overhaul of chassis and body
	09/05/2023	Service, repair and overhaul of chassis and body
	10/05/2023	Service, repair and overhaul of chassis and body
	12/05/2023	Introduction Short explanation on different sections like 3,4,5,19,39,49,50,51,128,129,130,133
14 th	15/05/2023	Driving license Necessity for driving license. Restrictions on granting of learner's licenses for certain vehicles. Grant of learner's licenses. Grant of Permanent driving licenses. Documents required for driving licenses
	16/05/2023	Driving license Necessity for driving license. Restrictions on granting of learner's licenses for certain vehicles. Grant of learner's licenses. Grant of Permanent driving licenses. Documents required for driving licenses
	17/05/2023	Certification of Registration Necessity of registration of vehicle. Registration –where to be made. Procedure for registration. Condition for refusal of registration. Temporary registration. Permanent registration. Renewal of registration certificate
	19/05/2023	Holiday

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