LESSON PLAN.												
Academic Session :- SUMMER 2024												
Subject :- Th	Total Period :- 60 per Sem											
Teacher :-	SHUBHA	SINI MUDULI	(GF, MECHANICAL ENGINEERING DEPT.)		Theory :- 4p/week							
					SEMESTER:-4th							
MONTH	Week	Class Day	Syllabus to be covered	Syllabus actually	Short fall	Signatur e						
		1st	1.0 Simple mechanism 1.1 Link ,kinematic chain, mechanism, machine									
	1st	2nd	1.2 Inversion, four bar link mechanism and its inversion									
		3rd	1.3 Lower pair and higher pair									
7		4th										
N		1st	2.0 Friction 2.1 Friction between nut and screw for square thread, screw									
11	2nd	2nd	bearings.									
Δ	2.1.4	3rd	2.3 Torque transmission in flat pivot& conical pivot bearings.									
R		4th	2.4 Flat collar bearing of single and multiple types.									
Ŷ		1st	2.5 Torque transmission for single and multiple clutches									
•	2rd	2nd	2.6 Working of simple frictional brakes.									
	310	3rd	2.7 Working of Absorption type of dynamometer									
		4th	3.0 Power Transmission 3.1 Concept of power transmission									
		1st	3.2 Type of drives, belt, gear and chain drive.									
	4th	2nd	3.3 Computation of velocity ratio, length of belts (open and cross) with and without slip.									
		3rd	3.4 Ratio of belt tensions, centrifugal tension and initial tension.									
		4th	3.5 Power transmitted by the belt.									
_		1st	3.6 Determine belt thickness and width for given permissible stress for open and crossed belt considering centrifugal tension									
F -	5th	2nd	3.7 V-belts and V-belts pulleys									
E		3rd	3.8 Concept of crowning of pulleys.									
В		4th	3.9 Gear drives and its terminology. 3.10 Gear trains, working principle of simple, compound, reverted and									
к		ist	epicyclic gear trains.									
U	6th	2nd 2rd	4.0 Governors and Flywheel 4.1 Function of governor									
A		4th	4.3 Working of Watt. Porter. Proel and Hartnell governors.									
ĸ		1st	4.4 Conceptual explanation of sensitivity, stability and isochronisms.									
T	7th	2nd 3rd	4.5 Function of flywheel. 4.6 Comparison between flywheel & governor									
		4th	4.7 Fluctuation of energy and coefficient of fluctuation of speed									
		1st	5.0 Balancing of Machine 5.1 Concept of static and dynamic balancing.									
	8th	2nd	5.2 Static balancing of rotating parts.									
	oui	3rd	5.2 Static balancing of rotating parts.									
		4th	5.3 Principles of balancing of reciprocating parts									
	9th	1st	5.4 Causes and effect of unbalance.									
		2nd 3rd	5.4 Causes and effect of unbalance.									
		4th	5.5 Difference between static and dynamic balancing									
	10th	1st	6.0 Vibration of machine parts									
		2nd	6.0 Vibration of machine parts									
		3rd	6.1 Introduction to Vibration and related terms (Amplitude, time period									
M A		4th	6.1 Introduction to Vibration and related terms (Amplitude, time period and									
R		1st	6.2 Classification of vibration.									
c	11th	3rd	6.3 Basic concent of natural forced & damped vibration									
н		4th	6.3 Basic concept of natural, forced & damped vibration									
	12th	1st	6.3 Basic concept of natural, forced & damped vibration									
		2nd	6.3 Basic concept of natural, forced & damped vibration									
		3rd	6.3 Basic concept of natural, forced & damped vibration									
		4 ln	6.4 Torsional and Longitudinal vibration									
	13th	IST	6.4 Torsional and Longitudinal vibration									
		3rd	6.4 Torsional and Longitudinal vibration									
		4th	6.5 Causes & remedies of vibration									
		1st	6.5 Causes & remedies of vibration									

Р	1701	3rd	6.5 Causes & remedies of vibration		
R		4th	6.5 Causes & remedies of vibration		
n .		1st	REVISION		
I	4 5 11	2nd	REVISION		
L	15th	3rd	REVISION		
		4th	REVISION		
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Subnasini Muduli