

SRI VENKATESWARA COLLEGE OF ENGINEERING

COURSE DELIVERY PLAN - LAB

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	LP: AE18612	
Department of Automobile Engineering	Rev. No: 00	
B.E/B.Tech/M.E/M.Tech : Automobile Engineering Regulation: 2018	Data: 11/01/2021	
PG Specialisation : Not Applicable	Date: 11/01/2021	

Sub. Code / Sub. Name : AE18612 / Simulation of Engine and Chassis Components Laboratory

force only. Mathematical modeling and simulation of a vehicle considering various force rolling resistance, air resistance, gradient resistance, acting on the vehicle duacceleration. Mathematical modeling and simulation of simple transmission system Newton's second law. Modeling and analysis of piston with different loads in the top end. Modeling and analysis of connecting rod with different loads in the bigger and ends. CYCLE-II Modeling and analysis of crank shaft with different loads in the both the end	No*	List of Experiments	
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Modeling and analysis of Engine cylinder head with different temperature in of the cylinder. Modeling and analysis of clutch plate with different loads in the contact surf		CYCLE-II	
of the cylinder. Modeling and analysis of clutch plate with different loads in the contact surf	Modelin	g and analysis of crank shaft with different loads in the both the ends.	
		g and analysis of Engine cylinder head with different temperature in inner sid- linder.	
9 Modeling and analysis of gear box with different loads in the contact surface	Modelin	g and analysis of clutch plate with different loads in the contact surface.	
	Modelin	g and analysis of gear box with different loads in the contact surface.	
Modeling and analysis of chassis frame with different loads on the surface at points.		g and analysis of chassis frame with different loads on the surface and fixed	
Content beyond syllabus (if any):	yond syllabus (if a	ny):	

^{*} Session Duration: 150 minutes



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