SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
5ME1A: HEAT TRANSFER	To apply principles of heat and mass transfer to basic engineering systems and awareness of the ways that heat transfer applies to thermal design.	H	H	H	H			H				H	H
	To obtain numerical solution for complex heat transfer problems and analysis.	H	H	H	H			M				H	H
	To evaluate the design of everyday appliances that transfer energy by heating including economic considerations.	H	H	H	H			M				H	H
	Awareness of the impact of energy systems on the global environment, including topics such as heat exchanger, radiation.	H	H	H	H			H				H	H
5ME2A: DYNAMICS OF MACHINES	To analyze the governing mechanism and design the governor for given r.p.m. range.	H	H	H									
	To explore the working of gyroscope in the turning of airplane/ships/automobiles.	H	H	H									
	To design automobile gear box.	H	H	H									
	To balance the effect of disturbing mass on higher speed of automobiles.	H	H	H									
5ME3A: MEASUREMENT & METROLOGY	To develop comprehensiveness about concept of measurement.	H	M			H	M	M	M		H	M	M
	Students will be able to understand about linear, angular and form measurement.	H	H	H	M	H	H		M	M	H	H	H
	To develop concept of laser and advances in metrology.	H	H	H	H	H		M	H	H	H	H	H
	Students will be able to understand about measurement of power, flow and temperature related properties.	H	H	H	M	H	H	H	H	H	H	H	H
5ME4A: QUALITY ASSURANCE AND RELIABILITY	Students will able to verify the concepts and methods of modern Statistical Quality Control.		H		M		M			H		H	
	Students will learn to apply Standard Quality Control tools and justify the use of particular Quality Control tools in particular situations.		H		H		H			H		M	
	Students will use appropriate software for Statistical & Quality analysis and learn professional responsibility & their relation to product quality.		H		M		H			H		M	M
5ME5A: SOCIOLOGY AND ELEMENTS OF ECONOMICS FOR ENGINEERS	To identify various sociological concepts and apply them for different social issues.						H	M	H	H	H	H	H
	To be able to explain Monetary and Financial/Fiscal Policy and system	H					H	M	H	H	L	H	H
	To be recognize and comprehend contemporary socio-economic issues in India	H	H	M	M	M	H	M	H	H	L	H	H

SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
5ME6.2A: AUTOMOBILE ENGINEERING	To interpret the functions and working of clutches and brakes and their constructional features.	H	M	H		H	H		M	M	M	H	M
	To describe the working of various gear boxes , transmission system and drives and their applications.	H	M	H	H	H	H		M	M	M	H	M
	To analyze the tyres and steering mechanism and requirement of suspension system	H	M	M		M	M		H	M	M	M	M
	To discuss the working and construction of various ignition system with use of electrical devices in automobile.	H	M		M	H	M			M	M	H	M
	To understand the working of automotive airconditioning system and automotive safety system in automobiie.	H	H	H	M	H	H		H	M	H	M	M
5ME7A: HEAT TRANSFER	To investigate the conduction and convection processes that occurs in multiple aspects of daily life.	H	H	H	H	M	H	H	L	M	L	H	M
	To explore the process of radiation and relate its properties to design of thermal systems.	H	H	H	H	M	H	H	M	M	L	M	M
5ME8A: DYNAMICS OF MACHINES LAB. – II	To express a good understanding of the principles of mechanisms and machines, and their practical applications in Mechanical Engineering.	H	H	H									H
	To balance the wheel of an automobiles.	H	H	H									M
5ME9A: PRODUCTION ENGINEERING LAB	CO1-To explore the basic measurement units and able to calibrate various measuring devices.	H	M			H	M			M	L	L	
	CO2-To express error and correction factors of various measuring devices.	H	M	M	M	H	M			M		L	
5ME10A: PROFESSIONAL ETHICS AND DISASTER MANAGEMENT	To implement professional ethics and human values in practical scenario	M					H	M	H	M	M	L	L
	To analyze the situation of natural and manmade disaster and to identify how to manage disaster.	M					H	M	H	M	M	L	L