SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
7ME1A: FINITE ELEMENT METHODS	To interpret the philosophy behind principles, design and modeling considerations using finite element analysis.	M	M	L	L	H	M			H	H	M	H
	To apply the concept of direct equilibrium method and potential energy method for structural mechanics problems	H	H	H	H	H	M			H	M	M	H
	To explore the issues in convergence of solutions using finite element analysis.	H	H	H	H	H	M			H	H	M	H
	To develop a Finite Element model using a range of systems governed by partial differential equations and mathematical techniques.	H	H	H	H	H	M			H	H	M	H
7ME2A: REFRIGERATION AND AIR CONDITIONING	To apply thermodynamics principles in RAC.	H	H		H	H	M	H		M		H	H
	To find out best method of refrigeration in domestic, industrial & Air craft application.	H	H		H	M	M	H		M		H	H
	To maintain human comfort level by the application of psychometry.	H	H		H	L	M	H		M		M	H
	To select a suitable air conditioning system with the help of cooling load calculation.	H	M		L	L	L	H		L		M	H
7ME3A: OPERATIONS RESEARCH	To construct a Mathematical model of problems of real world with linear variables and find out their optimal solution.	H	H	M	L	H				H	M	H	M
	To make policy and implementation for replacement of items that deteriorate under consideration of various factors.	H	H	M	L	H				H	M	H	M
	To solve the problems of waiting line and take decisions when choice of action is determined in reference of gain and loss through gaming strategy.	H	H	M	L	H				H	M	H	M
	To develop the representative model of real world problems and their solution and solving transportation and assignment problems.	H	H	M	M	H				H	M	H	M
7ME4A: TURBOMACHINES	Student will be able to explain the working principles of turbomachines and apply it to various types of machine.	H	M	M	H	M	M	H	M	M	M	M	M
	Student will be able to calculate work done and efficiency of turbomachines operating at design and off design conditions.	H	H	H	H	H	M	M	M	M	M	M	M
	Student will be able to apply working principle of various type of gas turbine and know their application range.	H	M	M	H	M	M	H	M	M	M	M	M
	Student will be able to identify different type of turbines.	H	H	H	H	H	M	M	M	M	M	M	M
7ME5A: OPERATIONS MANAGEMENT	To develop an entrepreneurial interest and managerial skill in coming future.				H	H	H	H		H		H	H
	To develop the decision making model for different department or the problem pertaining in the Industries.	H	H	H	H	H						H	H
	To gained knowledge about facility location and layout along with production planning.		H			H							

SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	To analyze and formulate project management and its Strategies.	H	H	H	H	H						H	
	To attain the skills of Supply chain management.					H	L			H		H	
7ME6.1A MICRO AND NANO MANUFACTURING	The students will acquire the knowledge of different techniques used in micro and nano manufacturing.	M	H	M	H	H	M			M		H	M
	The students will become aware about non conventional micro nano manufacturing and finishing approaches.	H		L	M	H			H	M		H	M
	The students will understand techniques and other processing routes in micro and nano manufacturing.	H	M				M	H		L			H
	The students will be able to evaluate techniques used in micro joining and the metrology tools in micro and nano manufacturing.		M		M	H	M		H	L			H
7ME7A: THERMAL ENGINEERING LAB-II	Students will make some modification on thermal systems	H	H	H	H	M	M	H		M		M	
	Students will work on any turbomachine	H	H	H	H	M	M	H		M		M	
7ME8A: FINITE ELEMENT LAB	To Use finite element software, conduct structural analyses and selected other analysis classes, e.g., normal modes/natural frequency analysis, steady-state heat conduction analysis, buckling analysis, design optimization	M	H	H	H	H	M			H	H	H	H
	To predict the safe design limits for engineering problems through the analysis of real-world problems.	H	H	H	H	H	M			H	H	H	H
7METR: PRACTICAL TRAINING & INDUSTRIAL VISIT	To Co-relate the concepts learnt in classrooms to industrial application	H	H	H	H	H							H
	To attain thoughts and views into technical presentation form.	H	H	H	H	H			H		H		
7MEPR: PROJECT-1	To identify the given problem and acquire the system integration skills.	H	H	H	H	H							H
	To handle project with overall safety concern.	H							H			H	
	To attain the documentation and communication skills.										H	H	H
	To analyze, formulate and integrate the project with managerial skills .						H	H	H	H	H	H	H