SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
109: PRACTICAL GEOMETRY	To draw objects in First and third angle and in different scale	H									M		L
	To diff. in between actual and true length and reading Product design	H									M		L
110 WORKSHOP PRACTICE	To select the appropriate tools required for specific operation.	H	L				L						L
	To acquire skills in basic engineering practice.	H	M	M	L		L	L		M	L	L	M
3ME1A: MECHANICS OF SOLIDS	To analyze structural members subject to tension, compression, torsion, bending and combined stress using fundamental concepts of stress, strain and elastic.	H	H	H	H	M	H	H				H	H
	The students will be able to understand different types of beams and loads and also able to calculate SF & BM and draw the SFD & BMD for various applications. Solve problems for deflection of beams.	H	H	H	H	M	H	H				H	H
	The students will be able to derive the torsion equation and solve problems on torsion of mechanical components, understand the stability and buckling phenomena and design the columns using Elder & Rankin"s formula, Solve problems on thin and thick cylinders	H	H	H	H	M	H	H				H	H
3ME2A: MATERIAL SCIENCE AND ENGINEERING	To compute atomic packing factor and linear and planer density of material	H	H	H	H	M	M	M		M	H	H	H
	To evaluate various processes annealing ,normalizing ,case hardening	H	M	M	H	H	H	M	M	M	H	H	H
	To compute the solubility of iron and different form of iron at different carbon percentage	H	H	M	H	M	M	M	M	H	M	M	M
	To evaluate the properties like hardness, toughness through testing process.	H	H	H	H	H	M	M	M	M	M	H	M
3ME3A: ENGINEERING THERMODYNAMICS	To understand the Basic concepts and laws of thermodynamics and concept of entropy generation.	H	H	M	M		H						H
	To understand the fluids behaviour of pure substance and change of steam characteristics with P ,V and T variables	H	H	M	M	M	H	L		L			H
	To understand thermodynamic variables as depend and independent, and derive mathematical relation for them.	H	M	L	L		M						M
	To understand the power cycle and how to increase its efficiency.	H	H	H	H	H	H	H		H		M	H
3ME1-03/ 4ME1-03 : MANAGERIAL ECONOMICS AND FINANCIAL ACCOUNTING	Students able to explain the term Economics and various laws of economics.		M		M				M				
	Able to know market structure and also its input on production cost.		M		H				M			M	
	To make aware the student with balance sheet and able to analyze the effect of its component on balance sheets.		H		M	H	M				M	M	
3ME6A: ADVANCED ENGINEERING MATHEMATICS	Using the method of Laplace transform to find the solution of ordinary and partial differential equation with boundary value problem and utilized in field of engineering.	H	H	H	L	M	L	L	L	M	M	M	M
	Using the method of Fourier Transform to find the solution of ordinary and partial differential equation with boundary value problem and utilized in field of engineering.	H	H	H	L	M	L	L	L	M	M	M	M
	Understand the concept of probability distribution for discrete and continuous random variable.	H	H	M	L	M	L	L	L	M	M	M	M
	Understand the concept of numerical method to interpolate the data, Numerical Differentiation, Integration and finding the solution of algebraic and ODE.	H	H	M	H	M	L	L	L	M	M	M	M
3ME7A: MATERIAL SCIENCE AND TESTING LAB	To determine strength, hardness of various materials by testing	H	H	H	M	L	L	M	L	M	L	M	H
	To identify crystal structure of various materials, examine microstructures and improve material properties by using appropriate heat treatment process	H	H	H	H	M	L	M	L	M	M	L	H
3TT1-02: TECHNICAL COMMUNICATION	Able to express themselves better and use english for communicating in an effective manner both professionally and in real life situation throught the uses of the various parts of speech.	N	L	L	N	N	L	N	N	L	H	N	L
	Able to fight competative exams by bulding a strong vocabulary and learning how to work on comprehension passages.	N	L	L	N	N	L	N	N	L	H	N	L
	Able to have a control over the language by learning to write both in a precise as well as elaborate manner through the correct uses of figures of speech.	N	L	L	N	L	L	N	N	L	H	N	L
3ME8A: BASIC MECHANICAL ENGINEERING LAB	To analyze the mechanism of bicycle, sewing machine	H	H	H	H	M	H	M	L	H	L	L	M
	To analyze the working of pump, engine and air conditioners	H	H	H	M	M	L	M	L	M	L	M	H
3ME9A: PRODUCTION PRACTICE-I	To have hands on experienced of production processes	H		H	H			H	H			H	H
	To meet the gap between the theory and practical challenges in production processes	H	H	H		M	H	H		H	M	H	H

SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3ME4-24: PROGRAMMING USING MAT LAB	To become familiar with fundamental operations in Matlab	H	L	M	L	-	-	-	_	H	-	-	H
	To perform statistical data analysis, data interpolation by Matlab, solve differentiation equation with Matlab	M	M	H	M	-	-	-	_	H	-	-	M
3ME11A: MECHANICAL ENGINEERING DRAWING	Be able to practice and sketch the various connections of machine parts manually and using AutoCAD.	H	M	H	M	H	L	M	L	M	L	M	M
	Be able to join and draw the assemblies of various machine parts.	H	L	H	M	H	L	L	L	M	L	L	M
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
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	

SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
ENGINEERING LAB	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
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							
	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

SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	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

Even Sem

	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
205: Engineering Mechanics	To articulate and describe fundamental laws of forces, FBD and virtual work.	H	H	H	M	M	L	L	L	L	L	L	L
	To describe and apply the laws of belts,kinematics of rigid bodies,work,energy and power.	H	H	H	M	M	L	L	L	M	L	L	L
210: Machine Drawing	To make orthographic and sectional drawing of machine components.	H									M		
	To make drawings of joints (permanent and temporary) and assembly of Bearing and Plumn	H									M		
4ME1A: Kinematics of Machines	To apply the concept of mechanism in different type of machine elements.	H	H	H	M	H	M	H	L	M	H	H	H
	Interpret motion and modify different mechanism.	H	H	H	H	H	L	H	L	H	H	H	H
	Apply the concepts of power transmission through belt, rope and chain etc.	M	H	H	H	H	L	M	L	M	H	H	H
	be able to design cam for a given input/out put motion.	H	H	H	M	H	L	H	L	H		H	H
4ME2A: Fluid Mechanics & Machines	To apply fundamental concepts of Fluid Mechanics.	H	H		M	H	M	H	M			H	H
	To apply Fluid flow concepts, Basic control volume and differential equations.	H	H		L	H	H	H	M			H	H
	To understand and apply Viscous, Turbulent flow concepts, flow measurement and Flow thr	H	H		M	M	H	H	M			L	H
	To understand and operate Hydraulic Turbines and Hydraulic systems.	H	M		L	L	M	H	M			L	M
4ME3A: Machining & Machine Tools	Provide the basic concepts in mechanics of metal cutting, chip formation, various tool mater	M	L	M	L	M	M	L	_	M	M	L	M
	Impart the concept of types of lathe, various operations that can be performed in various lath	M	L	M	L	M	L	L	_	M	M	M	M
	Instruct the working principle, operations performed, work, tool holding devices and differe	M	M	M	L	H	M	M	_	L	L	L	M
	Acquaint with the fundamentals of finishing process, super finishing process and their assoc	M	M	M	L	H	L	L	_	M	L	M	M
4ME4A: Design of Machine Elements -	Student will be able to select the proper Engineering materials as per design requirement and	H	M	H	H	M	M	M	M	M	H	H	M
	Student will be able to analyze different loading conditions and design machine components	H	H	H	M	M	M	M	L	M	M	M	M
	Student will be able to apply the concepts of stress analysis,theory of failure and material sc	H	H	H	M	M	M	M	L	M	M	M	M
	Student will be able to illustrate the variety of Mechanical components available and empha	H	M	M	M	H	M	M	M	M	M	M	H
4ME5A: Industrial Engineering	To illustrate the importance of Industrial Engineer in any industry and implement the differe	H	H	H	H	H	H	H	H	H	H	H	H
	To implement work measurement techniques in any industry and justify the importance of n	H	H	H	H	H	M	M	M	H	M	H	H
	To identify different business forms and organization with their relevance in today's compet	H	H	H	H	M	M	M		M	M	H	H
	To implement the concepts of various cost accounting and financial management practices v	H	H	H	H	M	M	M			L	H	H
4ME6A: I.C. Engines	To recognize the reasons of difference among operating characteristic of different engine typ	H	M	H	M		H	H	H	M		H	H
	To understand the combustion of spark ignition & Compression ignition Engine.	H	M	H	M	H	M	H	M		L	M	M
	To identify the basic parts of an IC Engine and ignition systems.	H	M	H	M	M	M	L		M	L	M	M
	To analyze the engine friction and lubrication parameters and supercharging.	H	H	L		M	M	H	H	H	M	M	H
	To apply the principles of dual, multi fuel and special engines.	H	H	H	H	H		M		H	H	H	M
4ME7A: Kinematics of Machine Lab	To classify different types of links and mechanisms used for different purposes in different r	H	H	H	H	H	L	M	L	L	L	H	L
	To apply the concepts of power transmission by the application of friction.	H	M	H	M	M	L	L	L	L	L	L	M

SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	To apply Basic fluid mechanics principle in practical application.	H	H	M	M	L		M		M		L	H
4ME8A: Fluid Mechanics Lab	To study flow characteristics, measure flow rates and related parameters.	H	H	M	M	L		M		M		L	H
	To know about various machining processes and effect of machining parameters on quality	H	H	H	H	H	M	M	H	H	L	H	M
4ME9A: Production Practice-II	To communicate efficiently with industry personnel by developing a manufacturing-centric	H	H	M	H	H	M	M	H	L	H	H	M
	To classify differeent Engineering materials and understand BIS nomenclature	H	M	M	H	M	M	M	L	M	M	M	M
4ME10A: Machine Design Sessional - I	To design various machine components such as cotter and knuckle joint,shafts,shaft couplin	H	H	H	H	H	M	M	L	H	M	M	M
	To explore the working of major systems used in conventional and modern engines and ider	H	H	M	H	H		H	H	M	H	H	
4ME11A: Thermal Engineering Lab-I	To explore concepts of thermal engineering systems and analyze thermal systems and their	H	H		M	H	M	M		M	M	M	H
	To estimate the stress and strain on mechanical components due to fluctuating loads, and un	H	H	H	M	L	M	L	M	M	M	M	H
	To select the material and configuration including design of various automobile parts under	H	H	H	M	L	M	M	L	H	L	M	M
	To understand knowledge of basics analytical design and uncertainties inherent in material p	H	M	M	H	L	M	H	L	H	M	L	M
6ME1A: Design of Machine Elements -	To estimate the transverse and torsional deflections/stress of machine elements with analytic	H	H	H	H	M	L	L	M	L	M	L	H
	Students will be able to identify the best machining process for machining of particular mate	H				M	H			H			H
	Students will be able to understand the principle, mechanism of metal removal of various un	H	M	M	H			M		H		M	H
	Students will be able to evaluate the effect of unconventional machining condition on MRR	H	H	H	H	H	H						H
6ME2A: Newer Machining Methods	Students will be able to categorise nano and micromachining processes and their industrial a	H				H		H	H	M		H	H
	To explain the basics of Mechatronics and to relate Mechanical Engineering with Electronic	M	L	L	L	L	H	H	H	M	M	M	H
	To analyze and design fabrication and designing of MEMS.	L	L	H	L	L	M	M	L	M	M	L	M
	To analyze and design real time systems and their representations in Z transforms. To learn	M	L	M	M	M	M	H	L	H	M	H	L
6ME3A: Mechatronics	To design mechatronics system for day to day life and for industrial purpose.	H	H	H	H	M	M	L	M	L	H	M	H
	Understand the propagation of sound, noise sources and need of vibration analysis in mecha	H	M	M	M	H	H	H		H		H	H
	Ability to formulate mathematical models of problems in vibrations	H	H	M	H	L	M	L		M		L	H
	Ability to determine vibratory responses of single and multi degree of freedom system	H	H	H	H	M	M	M		M		L	H
6ME4A: Vibration Engineering	Estimate the parameters of vibration isolation system	H	H	H	H	H	H	H		H		M	H
	To identify elements and functions of boiler and analyze its design and maintenance.	H	H	H	H	H	H	H		H	H	M	H
	To determine performance of steam nozzles and steam turbine based on load variations and	H	M	M	M	H	M	L		L	L	L	M
	Explain the blade shapes and calculate the performance of steam turbines with the help of pe	H	M	M	M	H	M	M		M	M	M	M
6ME5A: Steam Engineering	Able to calculate the thermal efficiency of rankine cycle and methods to improve the efficie	H	M	M	M	M	M	L		L	L	L	L
	To relate role of maintenance in environment conservation challenges/issues.	H	H	H	M	M	M	M	L	M	H	M	M
	To develop and implement effective maintenance strategy considering different factors inclu	H	H	H	H	M	M	M		M	M	H	H
	To discriminate and apply different condition monitoring techniques and related Instruments	H	M	H	M	M	L	L		M	L	H	M
6ME6.3A: Maintenance Management	To develop the relationship of key concepts in reliability, availability and maintainability, ar	H	H	H	H	M	M	L		H	M	H	H
	To demonstrate understanding by either analyzing an existing problem or by modifying desi	H	H	H	H	L	M	M	M	H	M	L	H
6ME7A: Machine Design Sessional -II	To categorize the separate and distinct phases that define the decision-making process as app	H	H	H	H	L	L	M	M	H	M	M	H
	To implement various concepts involved in statistical process controlas an Industrial Engine	H	H	H	H	H	M	H		M	M	H	H
6ME8A: Industrial Engineering Lab-I	To understand and verify probability distributions and solve the problems using statistical pr	H	H	H	H	H	H	H		H	M	H	H
	To use devices like analog and digital multi-meter, signal generator, regulated power supply	H	H	H	M	M	H	M					M
6ME9A: Mechatronics Lab	To measure different mechanical variables like – displacement, temperature, torque, strain, p	H	H	H	H	H	H	H			M		M
	Ability to determination of natural frequency of vibration problems that contain single and r	H	H	M	M		H	M				H	H
6ME10A: Vibration Engineering Lab	Ability to investigate the whirling problem of a rotating shaft	H	H	M	M	H	H	L				M	H
	Students will be able to identify the main elements in Computer Integrated Manufacturing S	H	M	H	M	H	M						
	Students have the skill of applying knowledge of Computer Aided Process Planning (CAPP	H	M	M	M	M	M			H	M	M	
8ME1A: Computer Integrated Manufact	Students will learn the process product models with CAM tools and CNC machines with Co	H	M	M		H	M					M	
	students will be able to understand their rights & wiil get aware of how to settle disputes in industr	M		H		H	M	H		M	M	H	
	Students will be able to identify various goverment laws, this will make them aware and conscious	H	H	M		H		H		H		H	

SUBJECT	COURSE OUTCOME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	Students will get knowledge about term contract for different jobs executed by private parties.			M			H		H		H	M	H
8ME2A: Laws for Engineers	Student will be able to learn about human rights under the constitution of India.		M	L			H	M	H		H		H
	students will be able to implement the fundamental concepts of electricity generation	H	M	H	M			M					
	Students will be able to associate with the basic working of steam power plant.	H	M	M	M	M					M	M	
	Students will be able to analyze the function of hydro electric ,diesel and gas power plant	H	M	M		M	M	M		M	M	M	M
8ME3A: Power Generation	students will be able to identify the basic renewable energy resources and implement them i	H		M			M	M	M				M
	To apply techniques to generate new product ideas and translate them into clear sketches (I/	H	H	M	-	-	-	-	-	-	-	-	-
	To design the product by identifying the subsystems and set engineering specifications (III/I	H	H	H	M	-	-	-	-	-	-	-	-
8ME4.1A: Product Development and La	To carry out a methodical approach to the management of product development to satisfy cu	H	M	M	-	-	-	-	-	-	-	-	-
	To able to prepare program and execute it on Computer Numerical Control (CNC) Lathe Ma	H	M	M	-	-	-	-	-	-	M	-	M
8ME5A: CAM Lab	To able to prepare program and execute it on Computer Numerical Control (CNC) Milling M	H	M	M	-	-	-	-	-	-	M	-	M
	To design different parts of mechanical equipments.	H	M	H		H							M
8ME6A: CAD Lab	To apply their skills in various designing and Manufacturing Industries.	H	M	H		H							M
	To apply concepts of industrial engineering in industrial setup.	H	H		M		M		M	H		M	H
8ME7A: IE Lab	To apply tools of industrial engineering on shop floor.	H		H	M	M	M		M	M			H
	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
8MEPR: Project-2	To analyze, formulate and integrate the project with managerial skills .						H	H	H	H	H	H	H
	To come across various researches going in Mechanical Engineering.	H	H	M	M	M	M	H	L	H	M	M	H
8MESM: Seminar	To improve the knowledge of internet, power point presentation.	H	H	M	M	M	H	H	L	M	M	M	H