

<b>Id</b>	<b>Program</b>	<b>CourseCode</b>	<b>CourseName</b>	<b>COCode</b>	<b>CO</b>
1916	Mechanical Engineering	6FECE05	Elective - (Environmental Management)	CO4	Environmental legislation and acts, EMS: ISO 14000
1916	Mechanical Engineering	6FECE05	Elective - (Environmental Management)	CO3	Prepare, certify approve and review of EMP
1916	Mechanical Engineering	6ME06	Communication Skills	CO1	To understand the importance of communication skills as an engineer
1916	Mechanical Engineering	6ME06	Communication Skills	CO3	To developed skill of effective communication among society
1916	Mechanical Engineering	6ME06	Communication Skills	CO4	To improve concept of technical communication as well as skill of comprehension
1916	Mechanical Engineering	6ME06	Communication Skills	CO2	To understand the basic skill of language and apply this skill in day to day life
1916	Mechanical Engineering	6ME06	Communication Skills	CO5	To face job interviews and group discussions,
1916	Mechanical Engineering	6ME06	Communication Skills	CO6	To read and write technical reports, proposals, research papers scientifically
1916	Mechanical Engineering	6FECE05	Elective - (Environmental Management)	CO1	Identify environmental attributes to be considered for EIA study and methodology to prepare EIA
1916	Mechanical Engineering	6FECE05	Elective - (Environmental Management)	CO2	Described the components of EMP and pollution effects of disposal off industrial effluent formulate EMP
1916	Mechanical Engineering	6ME04	Theory of Machines-II	CO1	. Able to understand the superposition principal, lubrication and its effect on engine.
1916	Mechanical Engineering	4ME05	Machine Design & Drawing-I	CO4	Ability to draw and read production drawings. Also Ability to convert 3D object to its 2D representation. And. Ability to select standard machine elements as per the standards
1916	Mechanical Engineering	4ME05	Machine Design & Drawing-I	CO5	Ability to design power transmission components such as coupling, clutch, and brake
1916	Mechanical Engineering	8ME04	Operations Research Techniques	CO4	Ability to understand the Classification, Characteristics, application and problems on Waiting line models and Sequencing.
1916	Mechanical Engineering	8ME04	Operations Research Techniques	CO2	Ability to understand the Classification, Characteristics, application and problems on Transportation Models and Assignment Models.
1916	Mechanical Engineering	4ME05	Machine Design & Drawing-I	CO2	Ability to select the materials, cross-section, configuration & factor of safety to design any machine elements
1916	Mechanical Engineering	8ME04	Operations Research Techniques	CO1	Ability to understand the Classification, Characteristics, application and problems on Operations Research and Linear Programming.
1916	Mechanical Engineering	6ME03	Control System Engineering	CO6	To design a control system or components to meet the desired needs
1916	Mechanical Engineering	8ME04	Operations Research Techniques	CO3	Ability to understand the Classification, Characteristics, application and problems on Network Models.

1916	Mechanical Engineering	4ME05	Machine Design & Drawing-I	CO3	Design of an appropriate machine element like Shafts, Power screw, Springs, Flywheel, Leavers, Mechanical Joints, Pressure Vessels etc. by static and dynamic criterion, allowable load (under the given operating conditions), manufacturing considerations
1916	Mechanical Engineering	6ME04	Theory of Machines-II	CO2	Able to Understanding of engine Force analysis, dynamic equivalent system of connecting rod.
1916	Mechanical Engineering	4ME05	Machine Design & Drawing-I	CO6	Ability to design rolling contact bearings and sliding contact bearings
1916	Mechanical Engineering	8ME04	Operations Research Techniques	CO5	Ability to understand the Classification, Characteristics, application and problems on Replacement models and Simulation.
1916	Mechanical Engineering	6ME04	Theory of Machines-II	CO5	To apply the knowledge of Static & dynamic Balancing of Machine parts.
1916	Mechanical Engineering	6ME04	Theory of Machines-II	CO4	Able to understand vibration and its types. The balancing of Rotating masses, single cylinder engine and multi cylinder engine.
1916	Mechanical Engineering	8ME04	Operations Research Techniques	CO6	Ability to understand the Classification, Characteristics, application and problems on Dynamic Programming.
1916	Mechanical Engineering	6ME04	Theory of Machines-II	CO3	Able to Student must understand the gyroscopic effects and vehicle dynamics.
1916	Mechanical Engineering	4ME03	Energy Conversion-I	CO2	Ability to understand the basic knowledge of flow diagram for steam power plant with basic units such as steam generator, turbine, condenser and pump
1916	Mechanical Engineering	8ME02	Elective - Refrigeration & Air conditioning	CO3	Ability to understand and analyze the thermodynamics of refrigeration, air conditioning and cryogenics systems.
1916	Mechanical Engineering	4ME03	Energy Conversion-I	CO1	Ability to understand Properties of Steam
1916	Mechanical Engineering	8ME02	Elective - Refrigeration & Air conditioning	CO4	Ability to design the air duct system as per the requirement of air conditioning application.
1916	Mechanical Engineering	8ME02	Elective - Refrigeration & Air conditioning	CO5	Ability to learn the function and principle of various components and controls of refrigeration and air conditioning systems.
1916	Mechanical Engineering	4ME03	Energy Conversion-I	CO3	Ability to understand fuel & ash handling system and steam nozzle and basic knowledge of steam power plant
1916	Mechanical Engineering	4ME03	Energy Conversion-I	CO4	To incorporate working principle of steam condensers and its other functioning units applying its basic knowledge in efficiency calculations and analysis of cogeneration concept
1916	Mechanical Engineering	8ME03	I.C. Engines	CO1	Ability to identify and differentiate between various types of engines and their applications.
1916	Mechanical Engineering	4ME03	Energy Conversion-I	CO5	To formulate nozzle efficiency, critical pressure ratio, maximum discharge in context with nozzles and diffusers used in power generation domain

1916	Mechanical Engineering	8ME03	I.C. Engines	CO2	Ability to understand the working principle and parameters affecting performance of engines.
1916	Mechanical Engineering	4ME03	Energy Conversion-I	CO6	To inculcate the phenomenon of compounding, governing of steam turbines graphically and analytically and understanding efficiency calculations
1916	Mechanical Engineering	8ME03	I.C. Engines	CO3	Ability to understand the working of various systems and sub-systems of engine.
1916	Mechanical Engineering	4ME04	Manufacturing Process - II	CO3	Understand various types of Drilling M/cs, Milling M/c and Boring M/c operation
1916	Mechanical Engineering	6ME03	Control System Engineering	CO2	Able to understand various time response specifications perform time response analysis and understand technique of compensation for improving the system response.
1916	Mechanical Engineering	4ME04	Manufacturing Process - II	CO2	Ability to understand the working principal of lathe machining process and Automatic screw machines
1916	Mechanical Engineering	6ME03	Control System Engineering	CO1	Able to convert physical model into physical system and then formulating the appropriate mathematical model and converting mathematical model into block diagram /signal flow graph and then find transfer function of the system
1916	Mechanical Engineering	5FECE05	Elective - (Basic Building Construction)	CO1	Understand the role and importance of various building components
1916	Mechanical Engineering	8ME03	I.C. Engines	CO5	To develop an ability to optimize exhaust pollutants and demonstrate an understanding of the generation of undesirable exhaust emissions and methods used to reduce them.
1916	Mechanical Engineering	4ME04	Manufacturing Process - II	CO1	Ability to understand metal cutting process with tool life and wear and mach inability
1916	Mechanical Engineering	8ME03	I.C. Engines	CO4	To analyze the performance and heat balance of IC engines.
1916	Mechanical Engineering	4ME04	Manufacturing Process - II	CO5	Distinguish the principles, operation and capabilities of different Unconventional Machining Processes
1916	Mechanical Engineering	6ME03	Control System Engineering	CO3	Able to understand the concept of root locus BODE plots Nyquist plots for design and analysis of system.
1916	Mechanical Engineering	4ME04	Manufacturing Process - II	CO4	Select an appropriate grinding and super finishing operation to obtain required precision and accuracy
1916	Mechanical Engineering	5FECE05	Elective - (Basic Building Construction)	CO2	activities at the time Examine various construction of actual execution.
1916	Mechanical Engineering	8ME03	I.C. Engines	CO6	To analyze the exhaust pollutants, its causes and describe methods to reduce them.
1916	Mechanical Engineering	6ME03	Control System Engineering	CO4	To analyze the stability of systems using Root Locus and Bode Plots

1916	Mechanical Engineering	4ME04	Manufacturing Process - II	CO6	To classify the various types of unconventional machining processes and to describe their working principle and application
1916	Mechanical Engineering	5FECE05	Elective - (Basic Building Construction)	CO3	Know the properties of various construction materials
1916	Mechanical Engineering	5FECE05	Elective - (Basic Building Construction)	CO4	Identify and select the quality materials for construction activities.
1916	Mechanical Engineering	6ME03	Control System Engineering	CO5	To describe the concept of transient response and steady state error.
1916	Mechanical Engineering	4ME05	Machine Design & Drawing-I	CO1	Ability to define various failure modes of machine elements
1916	Mechanical Engineering	7ME01	Machine Design & Drawing-II	CO1	Ability to understand the various systems and mechanisms used for special / single purpose machines.
1916	Mechanical Engineering	5ME03	Measurement Systems	CO3	Ability to apply the principles of signal conditioning to measurement instruments
1916	Mechanical Engineering	5ME03	Measurement Systems	CO1	Ability to identify various types of measurement systems, to understand their characteristics, to apply the principles of uncertainty to data analysis from instrument measurement of a variety of properties and analyze the response of instruments that are zero, first and second order systems.
1916	Mechanical Engineering	3ME05	Manufacturing Process-I	CO6	To describe the working principle and application of various welding processes and surface treatment processes.
1916	Mechanical Engineering	3ME05	Manufacturing Process-I	CO5	To Explain various joining processes.
1916	Mechanical Engineering	3ME05	Manufacturing Process-I	CO4	To describe working principle and application of various deforming processes.
1916	Mechanical Engineering	3ME05	Manufacturing Process-I	CO3	To explain the causes and remedies of casting defects, inspection and testing of casting process.
1916	Mechanical Engineering	5ME02	Heat Transfer	CO6	To design and analyze the performance of heat exchangers using NTU and LMTD methods
1916	Mechanical Engineering	3ME05	Manufacturing Process-I	CO2	To Explain various melting furnaces and other casting processes
1916	Mechanical Engineering	3ME01	Mathematics-III	CO2	To apply Laplace Transformation to special functions & solve second order differential equation with constant coefficients
1916	Mechanical Engineering	5ME02	Heat Transfer	CO5	To predict heat transfer coefficients for forced and free convection heat transfer applied to internal and external flow conditions
1916	Mechanical Engineering	3ME05	Manufacturing Process-I	CO1	To describe the concept of pattern, pattern materials, pattern making allowances and terminology of sand casting process.
1916	Mechanical Engineering	3ME04	Engineering Thermodynamics	CO6	Be conversant with basics of compressible fluid flow
1916	Mechanical Engineering	5ME02	Heat Transfer	CO4	Ability to understand the heat exchangers their practical application, design and performance analysis.

1916	Mechanical Engineering	3ME04	Engineering Thermodynamics	CO5	Be acquainted with analysis of Gas power cycles, including Otto, Diesel, and Dual cycles
1916	Mechanical Engineering	3ME04	Engineering Thermodynamics	CO4	Ability to Gain knowledge of thermodynamic properties of steam.
1916	Mechanical Engineering	5ME02	Heat Transfer	CO3	Ability to understand a mathematical approach to analyze and solve the numerical on complex heat transfer phenomena's.
1916	Mechanical Engineering	3ME03	Fluid Power-I	CO5	To design and analyze the hydraulic performance of the piping system
1916	Mechanical Engineering	3ME04	Engineering Thermodynamics	CO2	Appreciate the understanding that how thermodynamic relations are used in evaluation of thermodynamic properties
1916	Mechanical Engineering	5ME02	Heat Transfer	CO2	Ability to understand the concept and mechanism of forced, natural convection, radiation and also the various empirical correlations used in different fluid flow situations.
1916	Mechanical Engineering	3ME04	Engineering Thermodynamics	CO3	Ability to know thermodynamic properties of ideal gases mixtures
1916	Mechanical Engineering	5ME02	Heat Transfer	CO1	Ability to understand basic modes of heat transfer conduction with and without internal heat generation, critical thickness of insulation and extended surfaces with the practical utilities.
1916	Mechanical Engineering	3ME04	Engineering Thermodynamics	CO1	Ability to understand the basic laws of thermodynamics and their applications to thermodynamics systems
1916	Mechanical Engineering	3ME03	Fluid Power-I	CO6	To determine impact of jet and apply theory to design turbines.
1916	Mechanical Engineering	3ME03	Fluid Power-I	CO4	Use of appropriate measuring devices for fluid flow through duct, pipes and reservoirs
1916	Mechanical Engineering	3ME03	Fluid Power-I	CO3	To develop understanding of laws of static fluid, kinematics and dynamics of fluid in motion
1916	Mechanical Engineering	3ME03	Fluid Power-I	CO2	To apply dimensional analysis technique to fluid flow problems
1916	Mechanical Engineering	3ME02	Mechanics of Materials	CO6	To analyze and design structural members subjected to tension, compression, torsion, bending and combined stresses using the fundamental concepts of stress, strain and elastic behavior of materials
1916	Mechanical Engineering	3ME03	Fluid Power-I	CO1	To apply basic laws of fluid mechanics and use various measurement techniques in fluid flow system
1916	Mechanical Engineering	3ME02	Mechanics of Materials	CO5	Ability to calculate stresses and deformation of a torsional bar, pressure vessels.
1916	Mechanical Engineering	3ME02	Mechanics of Materials	CO4	Ability to understand Stability and buckling phenomena for a slender member under an axial compressive force.

1916	Mechanical Engineering	3ME02	Mechanics of Materials	CO3	Ability to develop shear-moment diagrams of a beam and find the maximum moment/ shear and their locations, how to calculate normal and shear stresses on any cross-section of a beam and how to calculate deflections of a beam under combined loads
1916	Mechanical Engineering	3ME02	Mechanics of Materials	CO2	Ability to calculate stresses and deformation due to an axial loading and combined loading, use of Mohr's circle to calculate principal stresses and angles in plane stress cases
1916	Mechanical Engineering	3ME01	Mathematics-III	CO6	To use Gradient of a scalar point function, Divergence and Curl of a vector point function and their physical meaning, Stokes and Divergence theorem.
1916	Mechanical Engineering	3ME02	Mechanics of Materials	CO1	Ability to understand basic concepts of stress, strain and their relations based on linear elasticity, Material behaviors due to different types of loading.
1916	Mechanical Engineering	3ME01	Mathematics-III	CO5	To apply numerical methods to obtain approximate solutions of mathematical problems
1916	Mechanical Engineering	3ME01	Mathematics-III	CO1	To apply the fundamental concepts of Ordinary Linear Differential Equation by different methods
1916	Mechanical Engineering	3ME01	Mathematics-III	CO4	To apply CR conditions, Cauchy's Integral Theorem, Singularity, expansion of function by using Taylor's and Laurent's Series
1916	Mechanical Engineering	3ME01	Mathematics-III	CO3	To solve first higher order Partial Differential Equations, Lagrange's Equation, Statistics and Probability Distributions
1916	Mechanical Engineering	5ME03	Measurement Systems	CO6	To compare the various tachometers and measure speed of motors or rotating shafts by using tachometers.
1916	Mechanical Engineering	7ME01	Machine Design & Drawing-II	CO4	To design spur, helical, bevel and worm gears.
1916	Mechanical Engineering	8ME01	Elective - Automobile Engineering	CO1	Ability to identify and classify different types of automobiles.
1916	Mechanical Engineering	5ME03	Measurement Systems	CO2	Ability to operate instruments and measurement systems to measure the properties of Temperature, viscosity, pressure, flow, strains etc.
1916	Mechanical Engineering	7ME01	Machine Design & Drawing-II	CO5	To design I.C. Engine parts Cylinder, Piston, Connecting rod and Crank.
1916	Mechanical Engineering	5ME03	Measurement Systems	CO5	Ability to work in team to analyze measurements and to use software and hardware for automated Data acquisition.
1916	Mechanical Engineering	7ME01	Machine Design & Drawing-II	CO3	Ability to understand the selection of hydraulic / pneumatic drive and electrical control system.
1916	Mechanical Engineering	7ME01	Machine Design & Drawing-II	CO2	Ability to analyze the various components of mechanisms on basis of machine design principles.

1916	Mechanical Engineering	5ME03	Measurement Systems	CO4	Ability to write reports describing experimental setups, data collection, data analysis and data Presentation.
1916	Mechanical Engineering	7ME01	Machine Design & Drawing-II	CO6	To understand design and drawing procedure of Governor ((Parts and Assembly).
1916	Mechanical Engineering	5ME01	Production Technology	CO1	Ability to understand the concept of various types of Quality, Normal distribution curve, sampling plan, universe and population.
1916	Mechanical Engineering	6ME01	Fluid Power-II	CO1	To apply knowledge of fluid mechanics, to understand effect of hydrodynamic force on various types of vanes.
1916	Mechanical Engineering	5ME01	Production Technology	CO2	Ability to understand the basic principle, working and construction of angular and gear measurement.
1916	Mechanical Engineering	8ME01	Elective - Automobile Engineering	CO2	Ability to understand the working of various automobile sub-systems such as engines, transmission, suspension, braking etc.
1916	Mechanical Engineering	5ME01	Production Technology	CO4	Ability to understand and apply basic principle of work study.
1916	Mechanical Engineering	7ME02	Energy Conversion-II	CO2	Ability to understand the concepts of various old and eco-friendly refrigerants with their environmental impact and select the most appropriate to design the cooling system for particular application.
1916	Mechanical Engineering	5ME01	Production Technology	CO5	Ability to understand the principle working of various types of comparators.
1916	Mechanical Engineering	7ME02	Energy Conversion-II	CO3	Student understand the basic knowledge of gas turbine and nuclear power
1916	Mechanical Engineering	5ME01	Production Technology	CO3	Ability to understand the standards of measurements.
1916	Mechanical Engineering	7ME02	Energy Conversion-II	CO1	To prepare the graduate with knowledge of industrial based reciprocating air compressor and rotary compressor.
1916	Mechanical Engineering	8ME01	Elective - Automobile Engineering	CO3	Knowledge about the emission norms, and passenger safety in automobiles
1916	Mechanical Engineering	6ME01	Fluid Power-II	CO2	Applying acquired knowledge to design and performance characteristics of hydraulic turbines.
1916	Mechanical Engineering	7ME02	Energy Conversion-II	CO4	To explain working of gas Turbine power plants and jet propulsion methods.
1916	Mechanical Engineering	5ME01	Production Technology	CO6	To describe different types of gauge used in quality control department
1916	Mechanical Engineering	8ME01	Elective - Automobile Engineering	CO4	Knowledge about the recent advancements in automobiles.
1916	Mechanical Engineering	7ME02	Energy Conversion-II	CO5	To describe the working of nuclear power plant and its components.
1916	Mechanical Engineering	7ME02	Energy Conversion-II	CO6	To explain various renewable energy sources like solar, wind, biomass, MHD, Geothermal etc. and their importance for present energy scenario.

1916	Mechanical Engineering	7ME03	Industrial Management and Costing	CO4	Get knowledge about entrepreneurship, traits and competencies for the same and the factors affecting entrepreneurial growth.
1916	Mechanical Engineering	4ME01	Basic Electrical Drives & Control	CO1	Understand the different laws of electric and magnetic circuits
1916	Mechanical Engineering	7ME03	Industrial Management and Costing	CO5	Get knowledge about the steps involved in setting up a business.
1916	Mechanical Engineering	7ME03	Industrial Management and Costing	CO2	Understand the functions of personnel management and the related legislations
1916	Mechanical Engineering	7ME03	Industrial Management and Costing	CO3	Know the different types of production system and the concept of production planning and control
1916	Mechanical Engineering	7ME03	Industrial Management and Costing	CO1	Get knowledge about evolution of management thoughts and the principles of scientific management.
1916	Mechanical Engineering	5ME04	Theory of Machines-I	CO2	Understand displacement velocity and acceleration analysis of planar linkages.
1916	Mechanical Engineering	4ME01	Basic Electrical Drives & Control	CO4	Drives wide range of availability and their importance in Mechanical Engineering
1916	Mechanical Engineering	7ME04	Automation Engineering	CO3	Ability to understand the FMS systems in industry and Group Technology, process planning
1916	Mechanical Engineering	5ME04	Theory of Machines-I	CO1	Understand Kinematic pair, diagrams and inversion of mechanism.
1916	Mechanical Engineering	7ME04	Automation Engineering	CO4	Student must have the knowledge of CIM wheel.
1916	Mechanical Engineering	4ME01	Basic Electrical Drives & Control	CO5	To describe the construction, principle and function of various instruments
1916	Mechanical Engineering	8ME01	Elective - Automobile Engineering	CO5	Explain the operation of steering system and braking systems, also apply the knowledge for Fault finding and maintenance of brakes.
1916	Mechanical Engineering	6ME01	Fluid Power-II	CO5	Make use of concept of similitude and model testing for hydraulic machine Outline of hydraulic and pneumatic circuit to control and effective use of fluid energy.
1916	Mechanical Engineering	7ME04	Automation Engineering	CO2	Student must have the knowledge of NC/CNC programming and used of robots in industry
1916	Mechanical Engineering	4ME01	Basic Electrical Drives & Control	CO2	Learn and understand construction, principle, applications and performance evaluation methods of transformer, D.C. Machine, Induction Motor
1916	Mechanical Engineering	6ME01	Fluid Power-II	CO4	To describe working of miscellaneous water lifting devices
1916	Mechanical Engineering	7ME03	Industrial Management and Costing	CO6	Get overview of the marketing function and the various sources of finance.
1916	Mechanical Engineering	6ME02	Computer Software Applications	CO1	Ability to understand the concept of Data base management system (DBMS), Relational Databases, Database design and the E-R model
1916	Mechanical Engineering	7ME04	Automation Engineering	CO1	Student must know the importance of automation in modern industry and its types



1916	Mechanical Engineering	4ME01	Basic Electrical Drives & Control	CO3	Can understand the Implementing concept of Drive
1916	Mechanical Engineering	6ME01	Fluid Power-II	CO3	To design and evaluate performance characteristics of centrifugal and reciprocating pump
1916	Mechanical Engineering	4ME01	Basic Electrical Drives & Control	CO6	To classify the various duty cycles for different industrial applications
1916	Mechanical Engineering	5ME04	Theory of Machines-I	CO3	Dimensional synthesis for motion, path and function generation
1916	Mechanical Engineering	5ME04	Theory of Machines-I	CO4	Understand special purpose mechanism, dynamometer and friction in bearings, clutch and brakes Cam profile synthesis. Gears and gear trains.
1916	Mechanical Engineering	8ME01	Elective - Automobile Engineering	CO6	Describe the Suspensions and Lubrication in Automobile, and apply knowledge for solving Engine lubrication troubles and suggesting remedies.
1916	Mechanical Engineering	4ME02	Engineering Metallurgy	CO1	Understand the fundamentals of various engineering materials and their crystal structure
1916	Mechanical Engineering	7ME05	Elective - Non Conventional Energy Sources	CO1	List and describe the primary renewable energy sources, their feasibility and challenges.
1916	Mechanical Engineering	7ME05	Elective - Non Conventional Energy Sources	CO2	Perform elementary mathematical analysis for designing of different solar thermal collectors
1916	Mechanical Engineering	6ME02	Computer Software Applications	CO4	To implement the basics of SQL and various SQL operations.
1916	Mechanical Engineering	5ME04	Theory of Machines-I	CO6	To select appropriate gears for transmitting the power for required power and gear ratio.
1916	Mechanical Engineering	6ME02	Computer Software Applications	CO3	Understand the basic knowledge of Modeling and Simulation
1916	Mechanical Engineering	4ME02	Engineering Metallurgy	CO4	Explain the composition, microstructure, properties and application of alloy steel, tool steel and cast iron
1916	Mechanical Engineering	4ME02	Engineering Metallurgy	CO2	Interpret and explain the equilibrium diagram and make use of this knowledge to illustrate the Iron carbide equilibrium diagram
1916	Mechanical Engineering	6ME02	Computer Software Applications	CO2	Understand special purpose of Structured Query Language (SQL)
1916	Mechanical Engineering	5ME04	Theory of Machines-I	CO5	To design the cam profile and to select proper cam and follower mechanism
1916	Mechanical Engineering	4ME02	Engineering Metallurgy	CO3	Realize the significance and general procedure of heat treatment processes
1916	Mechanical Engineering	7ME05	Elective - Non Conventional Energy Sources	CO3	Describe different types and components of wind energy conversion systems and can analyze wind speed data and wind turbine performance in a given wind regime
1916	Mechanical Engineering	6ME02	Computer Software Applications	CO5	To explain features of relational design along with various types of dependencies.
1916	Mechanical Engineering	4ME02	Engineering Metallurgy	CO5	Understand the fundamentals of various non-ferrous alloys and powder metallurgy

1916	Mechanical Engineering	8ME02	Elective - Refrigeration & Air conditioning	CO1	Ability to understand the concepts of various old and eco-friendly refrigerants with their environmental impact and select the most appropriate to design the cooling system for particular application.
1916	Mechanical Engineering	7ME05	Elective - Non Conventional Energy Sources	CO4	Describe components and principles of other renewable systems like biomass, biogas, ocean energy conversion systems, geothermal systems etc
1916	Mechanical Engineering	4ME02	Engineering Metallurgy	CO6	To explain the methods of surface hardening and process of powder metallurgy
1916	Mechanical Engineering	8ME02	Elective - Refrigeration & Air conditioning	CO2	Ability to analyze the psychometric processes & carry out heat load calculations for designing the air conditioning system of a specific problem.
1916	Mechanical Engineering	6ME02	Computer Software Applications	CO6	To explain the models, languages, packages & modeling and simulation techniques.