

R.M.K. ENGINEERING COLLEGE
RSM Nagar, Kavaraipettai – 601 206

Department of Mechanical Engineering

Course Outcomes – Odd Semester 2018 - 19

Sl. No.	Semester	Theory/Practical	Course Code / Course Name
1.	3	Theory	MA8353-Transforms and Partial Differential Equations
2.	3	Theory	ME8391 -Engineering Thermodynamics
3.	3	Theory	CE8394 -Fluid Mechanics and Machinery
4.	3	Theory	ME8351-Manufacturing Technology - I
5.	3	Theory	EE8353-Electrical Drives and Controls
6.	3	Practical	ME8361-Manufacturing Technology Laboratory – I
7.	3	Practical	ME8381-Computer Aided Machine Drawing
8.	3	Practical	EE8361-Electrical Engineering Laboratory
9.	3	Practical	HS8381-Interpersonal Skills / Listening & Speaking
10.	5	Theory	ME6501-Computer Aided Design
11.	5	Theory	ME6502- Heat and Mass Transfer
12.	5	Theory	ME6503 -Design of Machine Elements
13.	5	Theory	ME6504- Metrology and Measurements
14.	5	Theory	ME6505- Dynamics of Machines
15.	5	Theory	GE6075- Professional Ethics in Engineering
16.	5	Practical	ME6511- Dynamics Laboratory
17.	5	Practical	ME6512- Thermal Engineering Laboratory-II
18.	5	Practical	ME6513- Metrology and Measurements Laboratory
19.	7	Theory	ME6701- Power Plant Engineering
20.	7	Theory	ME6702- Mechatronics
21.	7	Theory	ME6703- Computer Integrated Manufacturing Systems
22.	7	Theory	GE6757- Total Quality Management
23.	7	Theory	ME6005-Process Planning and Cost Estimation
24.	7	Theory	ME6012-Maintenance Engineering
25.	7	Practical	ME6711- Simulation and Analysis Laboratory
26.	7	Practical	ME6712- Mechatronics Laboratory
27.	7	Practical	ME6713- Comprehension

Third Semester (Academic Year 2018-19)
MA8353-Transforms and Partial Differential Equations

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Understand how to solve the given standard partial differential equations.
CO2	Solve differential equations using Fourier series analysis which plays a vital role in engineering applications.
CO3	Appreciate the physical significance of Fourier series techniques in solving one and two dimensional heat flow problems and one dimensional wave equations.
CO4	Understand the mathematical principles on Fourier transforms would provide them the ability to formulate and solve some of the physical problems of engineering.
CO5	Construct z- transform and find inverse z-transform techniques for discrete time systems.
CO6	Use the effective mathematical tools for the solutions of difference equations by using Z transform techniques for discrete time systems.

ME8391 -Engineering Thermodynamics

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Explain the basic concepts and laws of thermodynamics.
CO2	Apply the concept of enthalpy and entropy in thermal systems
CO3	Compute the properties of pure substance and explain the working of steam cycles
CO4	Distinguish the properties of ideal and real gases.
CO5	Solve problems in psychrometric processes and gas mixtures.
CO6	Apply thermodynamic laws for real time applications

CE8394 -Fluid Mechanics and Machinery

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Apply mathematical knowledge to predict the properties and characteristics of a fluid.
CO2	Analyze and calculate major and minor losses associated with pipe flow in piping networks.
CO3	Mathematically predict the nature of physical quantities.
CO4	Critically analyze the performance of pumps.
CO5	Critically analyze the performance of turbines.

ME8351-Manufacturing Technology – I

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Distinguish the various casting methods for product making with their merits and demerits.
CO2	Distinguish the various material joining process and associated defects with possible

	cause and cure.
CO3	Discuss the various metal forming process with its application
CO4	Distinguish the various process involved in sheet metal forming with its applications and salient features
CO5	Explain the various process in making of plastic components for engineering / domestic applications.
CO6	Apply the suitable manufacturing process for making products.

EE8353-Electrical Drives and Controls

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Compare the types of Drives and its power rating
CO2	Explain the Mechanical & Braking characteristics of Motors
CO3	Compare the types of Motor Starters
CO4	Determine the Solid state Speed control of DC Drives
CO5	Determine the Solid state Speed control of AC Drives

Practical

ME8361-Manufacturing Technology Laboratory – I

COs	Course Outcome : The students, after the completion of the course, are expected to.
CO1	Demonstrate the safety precautions exercised in the mechanical workshop .
CO2	Make the work piece as per given shape and size using Lathe
CO3	Join two metals using arc welding.
CO4	Use sheet metal fabrication tools and make simple tray and funnel
CO5	Use different moulding tools, patterns and prepare sand moulds

ME8381-Computer Aided Machine Drawing

Cos	Course Outcome : The students, after the completion of the course, are expected to
CO1	Understand the various drawing standards, Fits and Tolerances
CO2	Re-create part drawings, sectional views and assembly drawings as per standards
CO3	Understand the design software tool
CO4	Design of machine components using Software tool
CO5	Detailing of machine components.

EE8361-Electrical Engineering Laboratory

Cos	Course Outcome : The students, after the completion of the course, are expected to
CO1	Understand the functions of electrical Machines
CO2	Demonstrate the basic working concepts of the various AC and DC motor

CO3	Compute performance of motor with various loads
CO4	Analysis the speed characteristic of different electrical machine

HS8381-Interpersonal Skills / Listening & Speaking

Cos	Course Outcome : The students, after the completion of the course, are expected to
CO1	Understand the Listening and responding appropriately
CO2	Participate in group discussions
CO3	Make effective presentations
CO4	Participate confidently and appropriately in conversations both formal and informal

Fifth Semester (Academic Year 2018-19)

ME6501-Computer Aided Design

Cos	Course Outcome : The students, after the completion of the course, are expected to
CO1	Explain the basic concept of product design and 2D / 3D CAD manipulations.
CO2	Discuss the representation of curves, surface and solid modeling techniques for various real time applications
CO3	Summarize the visual realism techniques
CO4	Associate the concept of parametric design for mechanical assembly of parts
CO5	Discuss the various CAD standards
CO6	Apply the CAD concepts in component design

ME6502- Heat and Mass Transfer

Cos	Course Outcome : The students, after the completion of the course, are expected to...
Cos	Explain the concept of one dimensional steady and transient heat conduction through various systems
CO1	Discuss the concept of convection with the flow of fluids in different elements.
CO2	Associate the significance of phase change with heat transfer in heat exchangers
CO3	Discuss the concept of radiation and application in heat transfer systems.
CO4	Explain the concept of mass transfer and its correlations.
CO5	Apply the conduction and convection principles in product application by real time study.

ME6503 -Design of Machine Elements

Cos	Course Outcome : The students, after the completion of the course, are expected to
CO1	Influence of steady and variable stresses in machine component design.
CO2	Apply the concepts of design to shafts, keys and couplings.
CO3	Apply the concepts of design to temporary and permanent joints
CO4	Apply the concepts of design to energy absorbing members and connecting rod.
CO5	Apply the concepts of design of various types of bearings
CO6	Apply the design to the real time applications

ME6504- Metrology and Measurements

Cos	Course Outcome : The students, after the completion of the course, are expected to
CO1	Describe the concepts of measurements to apply in various metrological instruments
CO2	Outline the principles of linear and angular measurement tools used for industrial applications
CO3	Demonstrate the techniques of form measurement used for industrial components
CO4	Explain the procedure for conducting computer aided inspection
CO5	Discuss various measuring techniques of mechanical properties in industrial applications

ME6505- Dynamics of Machines

Cos	Course Outcome : The students, after the completion of the course, are expected to
CO1	Discuss the forces required by various machine components to overcome inertia
CO2	Compute the unbalanced forces on reciprocating and rotating masses.
CO3	Distinguish the types of vibration and its effect on the system. .
CO4	Associate the system response an exposure to various forced vibrations
CO5	Explain the control mechanisms of governor and gyroscope with their applications.
CO6	Classify forces in mechanical system and related vibration issues to solve the problem

GE6075- Professional Ethics in Engineering

COs	Course Outcome : The students, after the completion of the course, are expected to...
COs	Create awareness on human values and apply ethics in society.
CO1	Identify an ethical issue and assess variety of moral issues using ethical theories in engineering.
CO2	Analyze engineering, social experimentation and engineers as responsible experimenters. .
CO3	Realize engineers' safety and their responsibilities, professional rights, employee rights, and intellectual property rights.
CO4	To interpret various types of ethics like business ethics, environmental ethics and computer ethics.
CO5	To take part an engineer's as managers, consulting engineers, engineers as expert witness and advisors.

ME6511- Dynamics Laboratory

Cos	Course Outcome : The students, after the completion of the course, are expected to...
CO 1	Explain the various types of gear trains and simple mechanisms.
CO 2	Utilize the principles learnt in kinematics and dynamics of machinery
CO 3	Understand the use of certain measuring devices in dynamic testing
CO 4	Compute the mass moment inertia of rotating element.

ME6512- Thermal Engineering Laboratory-II

Cos	Course Outcome : The students, after the completion of the course, are expected to...
CO 1	Explain the thermal conductivity of composite wall and lagged pipe apparatus.
CO 2	Illustrate the heat transfer co-efficient values of natural and forced convention
CO 3	Apply Stefan-Boltzmann law to calculate its constant.
CO 4	Analyse the performance characteristics curves of two stage reciprocating air compressor.

ME6513- Metrology and Measurements Laboratory

Cos	Course Outcome : The students, after the completion of the course, are expected to...
CO 1	Demonstrate the basic working concepts of the various measuring instruments.
CO 2	Understand the difference in accuracy and precision among various techniques.
CO 3	Discuss the methods of calibrating equipments.
CO 4	Compute the displacement, force and torque of machine element.

Seventh Semester (Academic year 2018-19)

ME6701 Power Plant Engineering

Cos	Course Outcome : The students, after the completion of the course, are expected to
CO1	Discuss the layout of thermal power plant and working principle of various types of boilers.
CO2	Explain the working of diesel and gas turbine power plant along with optimization technique
CO3	Discuss the various types of nuclear reactors used in nuclear power plant
CO4	Summarize the principles and working of various renewable energy power plants
CO5	Explain the energy, economic and environmental issues of power plants
CO6	Paraphrase the different types of power plant, its function and issues related to them

ME6702 Mechatronics

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Discuss the interdisciplinary applications of Electronics, Electrical, Mechanical and Computer Systems for the Control of Mechanical and Electronic Systems.
CO2	Classify the actuation and sensor systems based on the principle of operation and application.
CO3	Discuss Mechatronic components and systems using the microprocessor & micro controller and their working
CO4	Explain the architecture, programming and application of programmable logic controllers to problems and challenges in the areas of Mechatronic engineering.
CO5	Discuss a Mechatronic system using the knowledge and skills acquired through the course and also from the given case studies

ME6703 Computer Integrated Manufacturing Systems

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Explain the CIM concepts and basic elements of an automated system.
CO2	Explain the concept of Computer aided process planning and material requirement planning
CO3	Discuss the concept of cellular manufacturing using Rank order clustering and Hollier method
CO4	Explain FMS planning and applications of Automated guided vehicle systems.
CO5	Explain the concepts of robot control system and part programming
CO6	Explain the applications of computer in planning, manufacturing and controlling

GE6757 Total Quality Management

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Discuss the philosophies of quality management
CO2	Apply the TQM principles for quality improvement in organization
CO3	Distinguish various TQM tools and techniques used in Manufacturing and Service sectors
CO4	Use QFD tool to design and develop a new product as per customer requirements
CO5	Explain various ISO Standards and Quality systems practiced in various sector
CO6	Summarize the basic concepts in total quality management relevant to manufacturing and service Sectors

ME6005 -Process Planning and Cost Estimation

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Associate the knowledge of engineering fundamentals for process planning
CO2	Distinguish various process planning activities
CO3	Discuss the various elements involved in costing.
CO4	Estimate the product cost of job done by various manufacturing methods
CO5	Estimate the Machining time for various operations carried out in different machines
CO6	Apply the concept of Process planning and cost estimation for various production process

ME6012-Maintenance Engineering

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Explain the principles and practices of maintenance planning for an organization
CO2	Discuss maintenance policies with special reference to preventive maintenance
CO3	Predict appropriate condition monitoring (CM) techniques and instruments
CO4	Distinguish various repair methods for basic machine elements
CO5	Summarize repair methods for material handling equipment.
CO6	Explain various maintenance categories like PM, CM and repairs of machine elements to control failures, accidents, down time etc

ME6711- Simulation and Analysis Laboratory

COs	Course Outcome : The students, after the completion of the course, are expected to
CO 1	Demonstrate the various applications of simulation and analysis tools.
CO 2	Discuss the need of software tools to analyze engineering problem
CO 3	Create the model, analyse and simulate experiments to meet real world systems
CO 4	Evaluate the performance of the various models using thermal, vibration and modal

	analysis
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ME6712- Mechatronics Laboratory

COs	Course Outcome : The students, after the completion of the course, are expected to
CO 1	Understand the working of various pneumatic systems by practice
CO 2	Create various microprocessor or programs for stepper motors and allied equipments.
CO 3	Analyse the different hydraulic circuits through hydraulic trainer kit
CO 4	Demonstration of image processing technique kit
CO 5	Simulation of circuits with multiple cylinder sequences in electro pneumatic using PLC.
CO 6	Simulation of basic hydraulic, pneumatic and electrical circuits using software.

ME6713- Comprehension

COs	Course Outcome : The students, after the completion of the course, are expected to
CO 1	ability to understand and comprehend any given problem related to mechanical engineering field.

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Course Outcomes – Even Semester 2018 - 19

Sl. No.	Semester	Theory/Practical	Course Code / Course Name
1)	4	Theory	MA8452- Statistics and Numerical Methods
2)	4	Theory	ME8492- Kinematics of Machinery
3)	4	Theory	ME8451- Manufacturing Technology – II
4)	4	Theory	ME8491- Engineering Metallurgy
5)	4	Theory	CE8395- Strength of Materials for Mechanical Engineers
6)	4	Theory	ME8493- Thermal Engineering- I
7)	4	Practical	ME8462- Manufacturing Technology Laboratory – II
8)	4	Practical	CE8381- Strength of Materials and Fluid Mechanics and Machinery Laboratory
9)	4	Practical	HS8461- Advanced Reading and Writing
10)	6	Theory	ME6601- Design of Transmission Systems
11)	6	Theory	MG6851- Principles of Management
12)	6	Theory	ME6602- Automobile Engineering
13)	6	Theory	ME6603- Finite Element Analysis
14)	6	Theory	ME6604- Gas Dynamics and Jet Propulsion
15)	6	Theory	ME6004- Unconventional Machining Processes
16)	6	Practical	ME6611- C.A.D. / C.A.M. Laboratory
17)	6	Practical	ME6612- Design and Fabrication Project
18)	6	Practical	GE6563- Communication Skills - Laboratory Based
19)	8	Theory	MG6863- Engineering Economics
20)	8	Theory	MG6071- Entrepreneurship Development
21)	8	Theory	ME6016- Advanced I.C. Engines
22)	8	Practical	ME6811- Project Work

Fourth Semester
MA8452 - Statistics and Numerical Methods

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Apply the concept of testing of hypothesis for small and large samples in real life problems.
CO2	Explain the concepts of algebraic and transcendental equations
CO3	Apply the basic concepts of classifications of design of experiments in the field of agriculture.
CO4	Appreciate the numerical techniques of interpolation in various intervals and apply the numerical techniques of differentiation and integration for engineering problems.
CO5	Understand the knowledge of various techniques and methods for solving first and second order ordinary differential equations.
CO6	Solve the partial and ordinary differential equations with initial and boundary conditions by using certain techniques with engineering applications.

ME8492 – Kinematics of Machinery

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Explain the principles of kinematic pairs of planar mechanisms.
CO2	Compute velocity and acceleration in planar mechanisms.
CO3	Apply various motion principles to draw cam profiles
CO4	Compute the gear terminology suitable for given application
CO5	Discuss the effect of various types of friction in power transmission

ME8451- Manufacturing Technology – II

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Apply the theory of metal cutting for effective machining.
CO2	Discuss the working principles of various operations performed in a lathe machine.
CO3	Explain the working of special type machines.
CO4	Discuss multi – point machining machineries.
CO5	Apply NC codes to prepare machining program.
CO6	Apply suitable machine tool in machining of desired product.
CO6	Apply thermal engineering principles to examine the performance of compressors, engines and

	turbines.
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ME 8491 Engineering Metallurgy

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Explain various binary alloy systems with respective invariant reaction
CO2	Classify various heat treatment process and its significance
CO3	Discuss various Ferrous and non-ferrous metals with its application
CO4	Explain the various non-metallic materials with its applications
CO5	Compute the material properties by various material testing techniques
CO6	Apply the knowledge of material science on material selection for specific requirements

CE 8395 – Strength of Materials for Mechanical Engineers

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Define the basic concepts of stresses and strains.
CO2	Construct the S.F and B.M diagrams and explain stresses and deformations of beams
CO3	Evaluate the effect of bending moment and torsion in machine elements
CO4	Analyze the deformation behavior of simple structures subjected to different types of loads
CO5	Compute the change in dimensions of a Cylindrical shell subjected to internal fluid pressure
CO6	Evaluate and explain the effect of bending moments and torsion in machine elements

Laboratory

ME8462- Manufacturing Technology Laboratory – II

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Use different machine tools to manufacturing gears
CO2	Ability to use different machine tools to manufacturing gears
CO3	Ability to use different machine tools for finishing operations
CO4	Ability to manufacture tools using cutter grinder
CO5	Develop CNC part programming

CE8381- Strength of Materials and Fluid Mechanics and Machinery Laboratory

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Ability to perform Tension test on Solid materials.
CO2	Ability to perform Torsion test on Solid materials.
CO3	Ability to perform Hardness test on Solid materials.
CO4	Ability to perform Compression test on Solid materials.
CO5	Ability to perform Deformation test on Solid materials.

HS8461- Advanced Reading and Writing

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Write different types of essays.
CO2	Write winning job applications.
CO3	Read and evaluate texts critically.
CO4	Display critical thinking in various professional contexts.

Sixth Semester

ME6601- Design of Transmission Systems

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Understand and explain the principles and procedures of power transmission systems.
CO2	Learn to use standard data and catalogues and apply the same for designing various transmission systems
CO3	Understand, apply and explain the standard design procedure for various transmission systems.
CO4	Design and applications of various gears.
CO5	Plan and develop optimum design for gear box.
CO6	Design and analysis of Cams, Clutches and Brakes.

MG6851- Principles of Management

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Understand and explain the basic principles, concepts and evolution of Management thinking and the role of managers
CO2	Apply the knowledge on Planning tools and techniques.
CO3	Discuss the stages in decision making process and explain the types of strategies in order to make rational decisions
CO4	Illustrate the concepts of controlling and organizing of an organization.
CO5	Assess and compare different leadership styles and select appropriate style for an organization
CO6	Compile and demonstrate effective communication and explain various theories of motivation, innovation and creativity

ME6602- Automobile Engineering

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Explain the vehicle construction and different layouts of automobile
CO2	Explain and demonstrate the working of the various systems of an automobile
CO3	Able to understand the function of various engine auxiliary system.
CO4	Demonstrate and evaluate the functioning of an automobile.
CO5	Understand the working principles of steering, brakes and suspension systems.
CO6	Explain need of alternate fuels and emission control..

ME6004- Unconventional Machining Processes

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Classify, compare and discuss the various unconventional machining processes
CO2	Explain the principle, working and applications of mechanical electrical, chemical, electro-chemical and thermal energy based processes
CO3	Demonstrate the metal removal mechanism of UCM processes.
CO4	Discuss various process parameters and their influence on performance of the processes
CO5	Able to distinguish the merits and demerits of UCM processes.
CO6	Discuss the application of various equipment for measuring performance outputs in UCM processes

ME 6603- Finite Element Analysis

S.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Understand, compare and explain the concepts of discrete and continuum mathematical modeling.
CO2	Apply numerical methods for solving engineering problems for design.
CO3	Able to apply finite element formulation of Boundary value problems
CO4	Understand and explain application of FEA principles in heat transfer and fluid mechanics domains.
CO5	Understand, compare and explain the concepts of one dimensional and two dimensional cases of FEA.
CO6	Explain the dynamics analysis by FEA method.

ME6604- Gas Dynamics and Jet Propulsion

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Identify and explain the difference between incompressible and compressible flow and to explain and compare them with the concept of Isentropic flow
CO2	Compute, analyze and predict the Phenomenon of Shock waves and the effect on flow
CO3	Understand the phenomenon of oblique waves and its effects.
CO4	Analyze and explain about Jet Propulsion
CO5	Understand, analyze and explain about Rocket Propulsion.
CO6	Demonstrate the space Propulsion system

Laboratory

ME6611- CAD / CAM Laboratory

S.No.	Course Outcome : The students, after the completion of the course, are expected to
CO 1	Develop 2D and 3D models using modeling software to gain practical experience
CO 2	Demonstrate the features of CNC Machine tools and understand the CNC control in modern manufacturing system.
CO 3	Develop CNC part programming for turning and milling machines
CO 4	Differentiate the application of various CNC machines in industries

ME6612- Design and Fabrication Project

S.No.	Course Outcome : The students, after the completion of the course, are expected to
CO 1	Design and Fabricate the machine element or the mechanical product.
CO 2	Demonstrate the working model of the machine element or the mechanical product.

GE6563- Communication Skills - Laboratory Based

S.No.	Course Outcome : The students, after the completion of the course, are expected to
CO 1	Participate confidently in Group Discussions.
CO 2	Attend job interviews and be successful in them.
CO3	Develop adequate Soft Skills required for the workplace

Eighth Semester MG6863- Engineering Economics

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	Understand and explain the basics of economics and costing and compute costing of projects and processes for comparison.
CO2	Compile data, compute various costs for make or buy decisions and value engineering of components
CO3	Demonstrate the various cash flow methods for the comparison of alternatives
CO4	Evaluate, and select among alternatives proposals by understanding and explaining the concepts of replacement and maintenance analysis
CO5	Evaluate and solve problems related to public alternatives and economic life of an asset.
CO6	Explain the various depreciation techniques applicable in industry

MG 6071 – Entrepreneurship Development

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1	Understand and explain the role of entrepreneur in economic growth of the nation
CO2	Outline the major motivation factors for becoming an entrepreneur
CO3	Classify, compare and analyze for setting up of a good business opportunity
CO4	Summarize the various sources of finance and method of accounting
CO5	Plan for establishing business opportunity with the knowledge on government norms
CO6	Apply the knowledge expanding business

ME6016- Advanced I.C.Engines

Sl.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	To understand the underline principles of operation of different IC Engines and components.
CO2	Explain and discuss combustion and emissions in IC Engines
CO3	Demonstrate the formation and measurement of emissions
CO4	Explain the use and applications of alternative fuels in IC Engines
CO5	Outline the recent developments in IC Engines
CO6	Provide knowledge on pollutant formation, control, alternate fuel, etc.

Laboratory

ME6811- Project work

S.No.	Course Outcome : The students, after the completion of the course, are expected to
CO1	On Completion of the project work students will be in a position to take up any challenging practical problems and find solution by formulating proper methodology.