



Details of Courses with Course Outcomes for Session 2019-20

1. Course Name: Maths-IV (KAS-302), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to -
KAS-302.1	Remember the concept of partial differential equation and to solve partial differential equations
KAS-302.2	Analyze the concept of partial differential equations to evaluate the problems concerned with partial differential equations
KAS-302.3	Understand the concept of correlation, moments, skewness and kurtosis and curve fitting
KAS-302.4	Remember the concept of probability to evaluate probability distributions
KAS-302.5	Apply the concept of hypothesis testing and statistical quality control to create control charts

2. Course Name: Technical Communication (KAS-301), Year of study: 2019-20

Course outcomes	On completion of this course, the student will be able to
KAS-301.1	Understand the nature and objective of Technical Communication relevant for the work place as Engineers.
KAS-301.2	Utilize the technical writing for the purposes of Technical Communication and its exposure in various dimensions.
KAS-301.3	Have effective Presentations skill to face diverse audience with confidence.
KAS-301.4	Create a vast know-how of the application of the learning to promote their technical competence.
KAS-301.5	Evaluate their efficacy as fluent & efficient communicators by learning the voice-dynamics.

3. Course Name: Thermodynamics (KME-301), Year of study: 2019-20

Course outcome	Statement (On completion of this course, the student will be able to -)
KME-301.1	Explain fundamental concepts of thermodynamics.
KME-301.2	Apply first law of thermodynamics to open and closed systems.
KME-301.3	Understand second law of thermodynamics, concept of entropy and their applications.
KME-301.4	Understand availability and irreversibility and thermodynamic relations.
KME-301.5	Use properties of pure substance and air-water vapour mixture to analyze the open and closed systems.
KME-301.6	Analyze air and vapour compression refrigeration systems.



4. Course Name: Fluid Mechanics and Fluid Machines (KME-302), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to -
KME-302.1	Apply the Bernoulli's equation to fluid measurement problems.
KME-302.2	Distinguish various types of fluid flows using continuity equation, stream function and velocity potential function.
KME-302.3	Apply principles of dimensional analysis to form dimensionless numbers.
KME-302.4	Use the equation of motion for laminar flow to find losses in a flow through pipe and to comprehend the concepts of laminar and turbulent boundary layers
KME-302.5	Calculate the force and work done by jet on fix and moving plates.
KME-302.6	Understand working and evaluate the performance of water pumps and turbines.

5. Course Name: Materials Engineering (KME-303), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to-
KME-303.1	Explain crystal structure and mechanical properties of materials.
KME-303.2	Understand the theories of failures of materials.
KME-303.3	Provide a detailed interpretation of equilibrium phase diagrams.
KME-303.4	Explain the microstructure and heat treatment of metals and alloys.
KME-303.5	Describe various case hardening methods.
KME-303.6	Explain properties and applications of ferrous and non-ferrous metals.

6. Course Name: Fluid Mechanics Lab (KME-351), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to -
KME-351.1	Calculate friction losses in pipes and determine the flow pattern in pipes.
KME-351.2	Calibrate the flow measurement devices using Bernoulli's equation.
KME-351.3	Verify momentum equation experimentally and find metacentric height of a floating bodies.

7. Course Name: Material Testing Lab (KME-352), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to -
KME-352.1	Determine various Mechanical Properties experimentally
KME-352.2	Calculate Spring Index and Young's Modulus.
KME-352.3	Understand Non Destructive Testing Methods.



8. Course Name: Computer Aided Machine Drawing Lab (KME-353), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to -
KME-353.1	Use various conventional representation of machine components and materials.
KME-353.2	Apply the fundamental concepts of engineering drawing to represent various machine components
KME-353.3	Understand the concepts of computer aided 2D drafting using AutoCAD and draw machine elements using AutoCAD.

9. Course Name: Mini Project or Internship (KME-354), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to-
KME-354.1	Perform the engineering activities with effective presentation and report.
KME-354.2	Perform as an individual and/or team member to manage the tasks in time.
KME-354.3	Justify the ethical principles in engineering practices.

10. Course Name: Universal Human Values (KVE-401), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to-
KVE-401.1	Understand the significance of value inputs in a classroom, distinguish between values and skills, understand the need, basic guidelines, content and process of value education, explore the meaning of happiness and prosperity and do a correct appraisal of the current scenario in the society
KVE -401.2	Distinguish between the Self and the Body, understand the meaning of Harmony in the Self the Co-existence of Self and Body.
KVE -401.3	Understand the value of harmonious relationship based on trust, respect and other naturally acceptable feelings in human-human relationships and explore their role in ensuring a harmonious society
KVE -401.4	Understand the harmony in nature and existence, and work out their mutually fulfilling participation in the nature.
KVE -401.5	Distinguish between ethical and unethical practices, and start working out the strategy to actualize a harmonious environment wherever they work.



11. Course Name: Applied Thermodynamics (KME-401), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to-
KME-401.1	Understanding of different types of fuels and their combustion characteristics.
KME-401.2	Comparison of different air standard cycles.
KME-401.3	Analyze the Rankine cycle with various configurations to optimize the design of a power plant and combustion analysis. .
KME-401.4	Classification and working performance of boilers, condensers and their components.
KME-401.5	Understand the flow of steam and gases in nozzles, working of steam turbines and calculation of its efficiency and losses.
KME-401.6	Analyze the working of gas turbine and calculation of its power and efficiency. Analyze jet propulsion and rocket engines.

12. Course Name: Engineering Mechanics (KME-402), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
KME-402.1	Calculate the resultant force and moment for planar force system under equilibrium condition.
KME-402.2	Use the concept of equilibrium to solve engineering problems involving friction.
KME-402.3	Analyze mechanical structure using equations of equilibrium (Truss and Beam).
KME-402.4	Determine mass and area properties of various geometrical shapes.
KME-402.5	Calculate the motion parameters like displacement, velocity and acceleration using principles of rigid body dynamics.
KME-402.6	Comprehend the fundamentals of mechanics of deformable solids.

13. Course Name: Manufacturing Processes (KME-403), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
KME-403.1	Explain the various types of casting processes, defects in casting processes and design of riser and gating.
KME-403.2	Analyze metal forming operations like forging, tube drawing, extrusion, rolling, and sheet metal working operations.
KME-403.3	Analyze various aspects of metal cutting processes and comprehend the fundamentals of additive manufacturing.
KME-403.4	Understand the grinding process, the specification of grinding wheel and various super finishing processes.
KME-403.5	Describe the welding processes like; Gas welding, Arc welding, TIG & MIG, Resistance welding etc.
KME-403.6	Explain the unconventional machining processes..



14. Course Name: Electronics Engineering (KOE-048), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
KOE-048.1	Understand the concept of PN junction and special purpose diodes.
KOE-048.2	Study the application of conventional diode and semiconductor diode.
KOE-048.3	Analyze the I-V Characteristics of BJT and FET.
KOE-048.4	Analyze the Op-Amp, amplifiers, integrator and differentiator.
KOE-048.5	Understand the concept of digital storage oscilloscope and compare DSO with analog oscilloscope.

15. Course Name: Applied Thermodynamics Lab (KME-451), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to-
KME-451.1	Explain the working of IC Engines.
KME-452.2	Describe the working of boilers.
KME-453.3	Comprehend the working of gas & steam turbines.

16. Course Name: Manufacturing Processes Lab (KME-452), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to-
KME-452.1	Make pattern and execute metal casting.
KME-452.2	Perform machining processes like turning, milling, drilling, grinding, etc.
KME-452.3	Execute various forming and welding operations.

17. Course Name: Computer Aided Machine Drawing-II Lab (KME-453), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
KME-453.1	Recognize and use conventional representation of machine components, materials, surface finish and welded joints in part, assembly and production drawings.
KME-453.2	Represent limits, fits, tolerances and surface roughness on assembly drawing of a machine component.
KME-453.3	Draw part drawings of machine components and assembly drawing using computer aided drafting software.

18. Course Name: Engineering Economics (RAS-501), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RAS-501.1	Understand the basic principles, scope and the applications of Engineering Economics
RAS -501.2	Understand and apply the knowledge of elasticity of demand and supply on price determination.
RAS -501.3	Apply the knowledge of demand forecasting to make effective demand forecast.
RAS -501.4	Understand the complexity of uncertain market structure and be able to take decisions of price determinations.
RAS -501.5	Understand the various management concepts and thoughts and using for better resource management.



19. Course Name: Cyber Security (RUC-501), Year of study: 2018-19

Course outcome	On completion of this course, the student will be able to
RUC-501.1	Explain the core information system (IS) principles
RUC-501.2	Identify the key components of Cyber Security network architecture
RUC-501.3	Analyze system and application for Cyber Security threats, vulnerabilities and also different classes of attack.
RUC-501.4	Design and develop Policies, Procedures, Guidelines for implementing Security
RUC-501.5	Summarize InfoSec Standard ISO 27000 series and Explain Laws like IT Act 2000, Copyright Act, and Intellectual Property Law.
RUC-501.6	Illustrate Current Trends in information Security in areas of Cloud Computing, Supply Chain Management and Outsourcing.

20. Course Name: Machine Design-I (RME-501), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-501.1	Understand the design requirements and follow the general procedure for designing machine elements.
RME-501.2	Understand the modes of failure and design the machine components using theories of failure.
RME-501.3	Design a machine element under fluctuating loads.
RME-501.4	Design the riveted joints.
RME-501.5	Design machine shafts, keys and couplings subjected to twisting moment and/or bending moment
RME-501.6	Design helical springs and screw jack.

21. Course Name: Heat & Mass Transfer (RME-502), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-502.1	Apply the laws of conduction, convection and radiation heat transfer phenomenon.
RME-502.2	Understand and solve problems related to heat transfer through extended surfaces and that to transient conduction.
RME-502.3	Understand and analyze the natural and forced convection heat transfer process.
RME-502.4	Understand thermal radiation and related laws.
RME-502.5	Understand and apply LMTD and NTU methods for evaluating effectiveness of heat exchangers.
RME-502.6	Understand the phenomenon of mass transfer, condensation and boiling.



22. Course Name: Manufacturing Science & Technology-II (RME-503), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-503.1	Apply the theory of metal-cutting for effective machining.
RME-503.2	Explain the working and construction of machine tools.
RME-503.3	Understand pre-assembly finishing operations.
RME-503.4	Understand limits, fits and tolerances as per IS standard.
RME-503.5	Comprehend various metal-joining processes and the associated defects.
RME-503.6	Select and apply appropriate unconventional machining and welding techniques.

23. Course Name: I.C. Engines & Compressors (RME-051), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-051.1	Examine and Compare the Air standard and Air fuel cycles based on thermodynamic view.
RME-051.2	Describe the phenomena of combustion in SI Engine, carburetion, Ignition system and supercharging.
RME-051.3	Describe and distinguish the phenomena of combustion in CI Engine and Injection system used in CI engines.
RME-051.4	Describe the cooling and lubrication system for SI / CI engines.
RME-051.5	Demonstrate various aspects related to selection of suitable fuels and compute various performance parameters of SI / CI engines
RME-051.6	Understand and modify compressors and blowers.

24. Course Name: Design and Simulation Lab- I (RME-551), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-551.1	Design & draw the basic joints like Cotter joint, Knuckle joint, boiler riveted joint, eccentrically loaded riveted joint.
RME-551.2	Design shafts and springs subjected to combined steady & variable bending and twisting loads.
RME-551.3	Design and draw the shaft-couplings, helical spring and screw jack under the given load conditions.

25. Course Name: Heat & Mass Transfer Lab (RME-552), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-552.1	Understand and Analyze the methods to evaluate thermal conductivity of materials.
RME-552.2	Understand and analyze the Natural and Forced convective heat transfer coefficient and determine the fin-efficiency.
RME-552.3	Understand and analyze the radiation and Heat exchangers.



26. Course Name: Manufacturing Technology-II Lab (RME-553), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-553.1	Perform machining operations like threading on Lathe machine and Tool grinding on tool-grinder machine.
RME-553.2	Perform gear cutting on Milling machine and Machining a block on shaper machine.
RME-553.3	Perform Gas welding and Arc Welding.

27. Course Name: Seminar (RME-559), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-559.1	Explore the current technical area.
RME-559.2	Search out the relevant material for the selected topic.
RME-559.3	Portray the task with good presentation and report writing.

28. Course Name: Industrial Management (RAS-601), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RAS-601.1	Understand the basic principles, scope and the applications of industrial management
RAS -601.2	Explain functions of management including human resources management
RAS -601.3	Conduct work study to develop standard time and method for jobs
RAS -601.4	Implement techniques like EOQ and SQC for inventory and quality control
RAS -601.5	Apply the techniques like PERT and CPM to manage projects effectively

29. Course Name: Sociology (RAS-602), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RAS 602.1	Comprehend social relations in industry/organization and correlate the dynamics of diverse context of Indian society.
RAS 602.2	Understand the global rise and development of industry and empower themselves to analyze and evaluate different aspects of industrialization.
RAS 602.3	Demonstrate the implications of policies and its consequences in the context of industrialization and its growth in India.
RAS 602.4	Evaluate the social consequences of modernization, automation and industrial activities on the ecosystem thereby, sensitizing the engineers on public health and safety issues which shall serve as cornerstone for cultural, societal and environmental considerations.
RAS 602.5	Envisage prospective models of industrialization across the globe to understand the consumer society and the sociological concerns of industrial development in the present world.



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RAS 602.6	Gain and recognize the need for bridging the implications of sociological theories with engineering sciences and encourage themselves for lifelong learning.
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30. Course Name: Fluid Machinery (RME-601), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-601.1	Apply momentum and moment of momentum equation to flow through hydraulic machinery.
RME-601.2	Calculate the force and work done by jet on fixed and moving plates.
RME-601.3	Understand working of Reaction Turbines and determine the performance.
RME-601.4	Understand working of centrifugal pumps and determine the performance.
RME-601.5	Understand working of Positive Displacement Pumps and determine the performance.
RME-601.6	Comprehend the working of Hydraulic ram, Jet pumps, Air lift pumps.

31. Course Name: Theory of Machine (RME-602), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-602.1	Comprehend the fundamentals of the kinematics of machines and analyze the motion of different mechanism using relative velocity and instantaneous centre method.
RME-602.2	Construct, analyze and evaluate the cam profile for different motions of followers.
RME-602.3	Analyze the gear geometry and evaluate different gear trains.
RME-602.4	Analyze static and dynamic forces in planer mechanisms.
RME-602.5	Understand the concept of balancing and its application in IC engines.
RME-602.6	Explain the working principle and performance characteristics of various types of governors, brakes and dynamometers.

32. Course Name: Machine Design-II (RME-603), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-603.1	Understand the fundamental of gear systems and select suitable materials and manufacturing methods for gear.
RME-603.2	Design the spur gear, helical gear, bevel gear and worm gearing system as per the AGMA and Indian standards.
RME-603.3	Understand modes of lubrication and select suitable lubricants.
RME-603.4	Design a sliding contact/journal bearing.
RME-603.5	Design/Select suitable rolling contact bearings and analyze for their life and reliability.
RME-603.6	Design principal parts of an IC engine.



33. Course Name: Refrigeration & Air-conditioning (RME-061), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-061.1	Explain air refrigeration cycle and its application in aircraft refrigeration system.
RME-061.2	Analyze vapour compression refrigeration cycle using p-h and T-s diagrams.
RME-061.3	Explain and analyze the vapour Absorption refrigeration system.
RME-061.4	Explain properties and applications of refrigerants and their effect on environment.
RME-061.5	Use psychometric properties for analyzing air-conditioning systems.
RME-061.6	Discuss the working of various equipments used in refrigeration and air-conditioning systems.

34. Course Name: Fluid Machinery Lab (RME-651), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-651.1	Verify the impulse momentum equation experimentally.
RME-651.2	Analyse the performance of Pelton Wheel and Francis Turbine.
RME-651.3	Analyse the performance of Centrifugal and Reciprocating pumps.

35. Course Name: Theory of Machines Lab (RME-652), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-652.1	Comprehend various mechanisms and their inversions.
RME-652.2	Measure the gyroscopic effect and the sensitivity of governors.
RME-652.3	Determine critical speed of shafts.

36. Course Name: Design and Simulation Lab-II (RME-653), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-653.1	Understand the basics of computer language C and C++ to write basic computer programme.
RME-653.2	Write computer programme for the design of machine components and validate it.
RME-653.3	Develop a computer programme for the complete design of a mechanical Subsystem / system.

37. Course Name: Refrigeration & Air-Conditioning Lab (RME-654), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-654.1	Describe different components of refrigeration and air-conditioning system i.e. compressors, evaporators, expansion devices, etc.
RME-654.2	Evaluate air-conditioning and vapour compression refrigeration systems.
RME-654.3	Evaluate performance of cooling tower and ice plant.



38. Course Name: RME-075 (Operations Research), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-075.1	Formulate suitable mathematical models of the day-to-day business problems and employ Simplex method to solve Linear Programming Problems.
RME-075.2	Develop minimum cost solutions for conventional Transportation and Assignment problems.
RME-075.3	Use Network flow models to find solution to problems like - shortest path, Minimal spanning Tree, Max-Flow & Minimum cut problems.
RME-075.4	Monitor the progress of projects using techniques like PERT & CPM and take necessary steps to avoid any time and cost overruns in projects.
RME-075.5	Suggest optimum strategies for the decision makers via Games theory fundamentals.
RME-075.6	Apply OR tools & techniques to make optimum decisions regarding issues like - Queuing system design, Inventory Control, Replacement of old equipments.

39. Course Name: RME-701 (CAD/CAM), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-701.1	Explain the basic elements of computer graphics and transformations
RME-701.2	Interpret synthetic curves in Parametric form and exemplify different modelling techniques.
RME-701.3	Execute the Finite Element Modelling technique and implement modelling softwares.
RME-701.4	Interpret and execute the key elements of CAM environment.
RME-701.5	Explain the robot's working, its programming and interpret the key features of QFD in manufacturing environment.
RME-701.6	Classify the different rapid prototyping techniques and interpret FMS.

40. Course Name: RME-702 (Automobile Engineering), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-702.1	Understand the design principles for main components of an automotive vehicle.
RME-702.2	Understand the basics of transmission systems of an automotive vehicle.
RME-702.3	Understand the function & types of braking, chassis and suspension systems of an automobile.
RME-702.4	Understand the electrical & fuel supply systems of an automotive vehicle.
RME-702.5	Understand the automobile air-conditioning, cooling & lubrication systems.
RME-702.6	Understand the key features of an automobile maintenance system.



41. Course Name: RME-071 (Power Plant Engineering), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-071.1	Explain the economics involved in Power Plant and identify the factors related to selection of plant.
RME-071.2	Discuss various components of steam power plant and the factors influencing the site selection for the plant.
RME-071.3	Describe the working of various components of diesel power plant and compare it with steam power plant.
RME-071.4	Illustrate the working of gas turbine power plant and its components.
RME-071.5	Explain the components, principles and working of nuclear & non-conventional power plant.
RME-071.6	Describe the electrical, instrumentation & pollution control systems used in power plants.

42. Course Name: Cloud Computing (ROE-073), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
ROE-073.1	Explain the fundamental of cloud and their computation over parallel and distributed computing.
ROE-073.2	Understand the concept of virtualization and their mechanism with service oriented architecture.
ROE-073.3	Organize the cloud data in Public, Private and Hybrid Clouds on cloud storage.
ROE-073.4	Examine the cloud data by Resource provisioning methods and implement global security on it.
ROE-073.5	Analyse the virtual box and programming environment can be applied over Google app engine.
ROE-073.6	Develop data processing application which is executed in distributed computing environment by using Hadoop.

43. Course Name: CAD/CAM Lab (RME-751), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-751.1	Write and debug C/C++ programs for line, circle and geometric transformation.
RME-751.2	Draw component/assembly of basic machine elements using Pro-E Software.
RME-751.3	Write and execute manual part-programs for different machining operations on CNC lathe/milling machines.

44. Course Name: I. C. Engine & Automobile Lab (RME-752), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-752.1	Analyse the performance of an IC engine.
RME-752.2	Understand the transmission, braking, air conditioning and fuel supply systems used in automobiles
RME-752.3	Compare different vehicle based on technical specification.



45. Course Name: Industrial Training (RME-753), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-753.1	Understand the operational aspects of an organization.
RME-753.2	Prepare and present summary of knowledge gained during summer training.
RME-753.3	Relate and express impact of industry on human race and environment (living / non - living) in a better way.

46. Course Name: ROE-086 (Renewable Energy Resources), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
ROE-086.1	Understand the various conventional energy systems, their prospects and limitations.
ROE-086.2	Describe the use of solar energy and the various components used in the energy production with respect to applications.
ROE-086.3	Understand the geothermal principles working of Magneto-hydrodynamics (MHD) power plant
ROE-086.4	Acquire the knowledge of fuel cells and wind energy.
ROE-086.5	Understand the concept of Biomass energy resources and their classification.
ROE-086.6	Understand the concept of wave power, tidal power.

47. Course Name: Advance Welding (RME-081), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-081.1	Understand the theoretical and practical aspects of welding and its phenomena.
RME-081.2	Understand the various welding process.
RME-081.3	Describe the basic metallurgy of the melted and heat-affected zone of a metal or alloy and heat transfer involved in different welding process
RME-081.4	Understand the various process involved in repair and maintenance of welding i.e. hard facing, cladding
RME-081.5	Understand the weldability of different metal.
RME-081.6	Demonstrate their ability to check the weldment quality using various inspection and testing methods.

48. Course Name: RME-085 (Total Quality Management), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-085.1	Understand the traditional and modern quality concepts.
RME-085.2	Appreciate the issues related to quality of bought out and manufactured products.
RME-085.3	Select the suitable organization structure for different products and companies
RME-085.4	Exercise process and product control through Statistical Quality Control.
RME-085.5	Diagnose and control various defects using reliability studies.
RME-085.6	Understand and implement advanced quality management systems like Taguchi, JIT and ISO-9000 in the organization.



49. Course Name: Seminar (RME-851), Year of study: 2019-20

Course outcome	Statement (On completion of this course, the student will be able to-)
NME-851.1	Explore the current technical area.
NME-851.2	Search out the relevant material for the selected topic.
NME-851.3	Portray the task with good presentation and report writing.

50. Course Name: Project (RME-754/RME-852), Year of study: 2019-20

Course outcome	On completion of this course, the student will be able to
RME-754/852.1	Identify, formulate and investigate complex engineering problems with the help of acquired engineering knowledge & exposure.
RME-754/852.2	Select and apply suitable modelling and simulation tools to make decisions at different stages of the solution process.
RME-754/852.3	Demonstrate the communication and inter-personal skills while working on projects as an individual or as a member of a team.
RME-754/852.4	Understand the relevance and importance of social, ethical, environmental and cultural concerns in project conception, planning & execution.
RME-754/852.5	Understand the general principles of engineering & management and apply them to multidisciplinary project environments.
RME-754/852.6	Realize the need for, and engage in, lifelong learning to face the challenges posed by technological changes