

ME501T: Industrial Economics & Entrepreneurship Development (Theory)

Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ME501T.1	Define and explain concepts and laws related to demand analysis and also solve problems of elasticity of demand.	Level 1,2	PO 3
ME501T.2	Define and explain concepts and laws related to production and also solve problems of BEP and Depreciation	Level 1,2	PO 1
ME501T.3	Define and Explain the terms related to share market & some concepts of macroeconomics like inflation, deflation, stagflation and the types of market structure.	Level 1,2	PO 1, 3
ME501T.4	Tell about the concept of creativity, Innovation, Invention, Discovery, Creativity and laws related to IPR and patent.	Level 1	PO 3
ME501T.5	Explain the basics of entrepreneurship and Small Scale Industries.	Level 2	PO 2
ME501T.6	Explain the financial agencies and entrepreneurship support Government system & Agencies and Analyze the factors governing to project selection.	Level 2,4	PO 1, 4

Name and Sign of Course Teacher

ME502T: DESIGN OF MACHINE ELEMENT (Theory)

Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ME702T.1	analyze the stress and strain on mechanical components; and understand , identify and quantify failure modes for mechanical parts	Level 2, 4	PO 3
ME702T.2	develop an ability to design a system, component, or process to meet desired needs within realistic constraints.	Level 3,6	PO 1
ME702T.3	Demonstrate knowledge on basic machine elements used in machine design; design machine elements to withstand the loads and deformations for a given application, while considering additional specifications	Level 2	PO 1, 3
ME702T.4	Define a design problem successfully, taking decisions when there is not a unique answer.	Level 1	PO 3
ME702T.5	Relate in the use of software for analysis and design.	Level 2	PO 2
ME702T.6	Agree with standards, safety, reliability, importance of dimensional parameters and manufacturing aspects in mechanical design.	Level 5	PO 1, 4

Name and Sign of Course Teacher

BEME503T: ADVANCED PRODUCTION PROCESSES (Theory)

Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ME503T.1	<i>Illustrate & Distinguish</i> principles, operation and capabilities of different <i>Non- conventional machining Processes and its applications</i>	Level 2, 4	PO 1, 5
ME503T.2	<i>Distinguish</i> the principles, operations and capability of different <i>Advanced joining Processes.</i>	Level 4	PO 1, 2
ME303T.3	<i>Compare</i> the constructional details, mechanisms involved and working principle of <i>Capstan and turret lathe machines</i>	Level 2	PO 3
ME503T.4	<i>Illustrate & Select</i> an appropriate <i>press and press working operations for manufacturing sheet metal components.</i>	Level 1, 2	PO 2, 5
ME503T.5	<i>Select</i> appropriate <i>jigs, fixtures and locating devices for various machining operations</i>	Level3	PO 4
ME503T.6	<i>Select and apply</i> appropriate <i>super finishing operations for obtaining required precision and accuracy.</i>	Level1,3	PO 5

Name and Sign of Course Teacher

ME504P: HEAT TRANSFER (Practical)

Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ME504P.1	<i>Determine</i> the thermal conductivity of materials and <i>Evaluate</i> the temperature distribution in heat transfer medium	Level 5	PO 3,4
ME504P.2	<i>Determine</i> the heat transfer coefficient in various heat transfer situations	Level 5	PO 3,4
ME504P.3	<i>Determine</i> Stephen Boltzman constant and <i>Estimate</i> heat transfer in radiation mode	Level 5	PO 3
ME504P.4	<i>Compare</i> various heat exchangers for heat transfer application	Level 4	PO 2, 3

Name and Sign of Course Teacher

ME504T: HEAT TRANSFER (Theory)

Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ME504T.1	<i>Classify</i> the basic modes of heat transfer and <i>Explain</i> the law and mechanism of heat transfer by conduction, convection and radiation	Level 2	PO 1,2
ME504T.2	<i>Define</i> the equations for conduction heat transfer and <i>Apply</i> to calculate the heat transfer and temperature distribution in various geometries	Level 3	PO 1
ME504T.3	<i>Apply</i> the concept of hydrodynamic and thermal boundary layer and <i>Find</i> the heat transfer coefficient for given flow field	Level 3,1	PO 1, 4
ME504T.4	<i>Explain</i> the laws of radiation and <i>Apply</i> same to calculate radiation heat exchange between two bodies	Level 2, 3	PO 2
ME504T.5	<i>Explain</i> NTU and LMTD method and <i>Make use of</i> it to design and solve heat exchanger problems	Level 2,3	PO 3

Name and Sign of Course Teacher

ME505P: MECHANICAL MEASUREMENT & METROLOGY (Practical)

Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ME505P.1	<i>Explain</i> static and dynamic characteristics of any instrument and can calibrate the instrument	Level 2	PO 1
ME505P.2	<i>Compare</i> various instruments and can use it for measuring variables like pressure, force, power, speed, light etc.	Level 2, 4, 5	PO 2,4
ME505P.3	<i>Measure</i> the linear and angular dimension with precision	Level 5	PO 2,4
ME505P.4	<i>Make use of</i> optical profile projector and tools maker microscope for length, diameter and gear tooth measurement.	Level 3	PO 4

Name and Sign of Course Teacher

BEME506P Computer Applications – I(Practical)

Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BEME506P .1	Apply good principles of algorithm design;	Level 3	PO 1,2
BEME506P.2	Analyze the use of logical operators, logical functions, and control structures	Level 4	PO3,2
BEME506P.3	Develop , execute and document computerized solution for various mathematical problems using the features of C language	Level 3	PO 1

Name and Sign of Course Teacher

ME507P: INDUSTRIAL VISIT (Practise)

Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ME507T.1	Identify their prospective areas of work in the overall organizational function.	Level 3	PO 2
ME507T.2	Identify the input and output of the process.	Level 3	PO 2
ME507T.3	Extend their interpersonal skills and communication techniques.	Level 2	PO 3
ME507T.4	Examine of industry practices and regulations during industry visits.	Level 4	PO 2
ME507T.5	Relate to different workforces from different industries.	Level 1,2	PO 2
ME507T.6	Improve their technical report writing skills.	Level 6	PO 4

Name and Sign of Course Teacher