

ME801T: INDUSTRIAL MANAGEMENT (Theory)

Course Outcome:

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

		Blooms Level	PO
ME801T.1	Design a system, component, or process in order to meet desired needs within realistic constraints, such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.	Level 6	PO 1
ME801T.2	Identify , formulate, and solve engineering problems.	Level 3	PO 1, 2
ME801T.3	Relate the Management Functions	Level 2	PO 1, 4
ME801T.4	Compare selected Theories of Management.	Level 2	PO 2
ME801T.5	Choose basic Business Application Software.	Level 1	PO 2
ME801T.6	Apply techniques, skills, and modern engineering tools necessary for engineering practice.	Level 3	PO 1, 4

Name and Sign of Course Teacher

BEME802P2: ELECTIVE – II: COMPUTER INTEGRATED MANUFACTURING (Practical)

Course Outcome:

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

		Blooms Level	PO
ME802P2.1	<i>Interpret the knowledge of Computer Integrated Manufacturing, its working approaches</i>	Level 2	PO 1
ME802P2.2	<i>Learning of NC & Create CNC programming through various NC equipments</i>	Level 6	PO 2, 3, 5
ME802P2.3	<i>Identify Group technology methods & Apply to design Machine cell and improve the manufacturing flexibility</i>	Level 4, 6	PO 4, 5
ME802P2.4	<i>Define and learn modern quality measurement tools. Process planning tools</i>	Level 1	PO 5

Name and Sign of Course Teacher

**BEME802T2: ELECTIVE – II: COMPUTER INTEGRATED
MANUFACTURING (Theory)**

Course Outcome:

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

		Blooms Level	PO
ME802T2.1	<i>Illustrate</i> the Computer Integrated Manufacturing and <i>Design</i> the concept of Concurrent Engineering	Level 2, 6	PO 1
ME802T2.2	<i>Make use of</i> NC & CNC technology thereby achieves multidisciplinary integration of components, equipment.	Level 3	PO2, 5
ME802T2.3	<i>Identify</i> Group technology methods & <i>Apply</i> to design Machine cell in Automation	Level 3	PO 3, 5
ME802T2.4	<i>Identify</i> manufacturing methodology to design and improve the manufacturing flexibility.	Level 3	PO3, 4
ME802T2.5	<i>Identify</i> the manufacturing planning and control techniques to Interface between the computer and integrated equipments for smooth production flow	Level 3	PO5

Name and Sign of Course Teacher

ME803T1: ELECTIVE-III:ADVANCE MANUFACTURING TECHNIQUE (Theory)

Course Outcome:

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

		Blooms Level	PO
ME803T.1	<i>Define</i> and describe the fundamentals and principals of advanced manufacturing processes.	Level 1	PO 1
ME803T.2	<i>Apply</i> relevant theories to solve manufacturing problems	Level 3	PO 1, 2
ME803T.3	<i>Explain</i> manufacturing processes via experimental and theoretical analyses	Level 2	PO 1, 4
ME803T.4	<i>Relate</i> manufacturing theory to practice through laboratory experiments	Level 2	PO 2
ME803T.5	<i>Improve</i> a manufacturing process either working in a team or individually.	Level 6	PO 2

Name and Sign of Course Teacher

BEME804P: AUTOMATION IN PRODUCTION (Practical)

Course Outcome:

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

		Blooms Level	PO
ME804P.1	<i>Interpret</i> the knowledge of engineering automation, its working approaches.	Level 2	PO 1
ME804P.2	<i>Analyze</i> the NC programming through various NC equipments.	Level 1	PO 2,4
ME804P.3	<i>Choose</i> the material handling systems also multidisciplinary integration of components, equipment.	Level 1	PO 2,4
ME804P.4	<i>Design</i> and <i>Explain</i> from case studies on automation systems.	Level 6,2	PO 4

Name and Sign of Course Teacher

BEME804T: AUTOMATION IN PRODUCTION (Theory)

Course Outcome:

The expected learning outcome is that the students will be able to..

		Blooms Level	PO
ME804T.1	<i>Illustrate of automation knowledge, in terms of production line analysis and logics.</i>	Level 2	PO2, 4
ME804T.2	<i>Relate with CNC technology and robotic areas, thereby achieve multidisciplinary integration of components, equipment.</i>	Level1	PO1
ME804T.3	<i>Identify & Recognize material handling systems performance using analytical methods.</i>	Level 3,4	PO 2, 3
ME804T.4	<i>Apply the Group technology & methods of Automated inspection in the automation field.</i>	Level 3	PO1, 5
ME804T.5	<i>Identify manufacturing methodology to design and improve the manufacturing flexibility.</i>	Level 3	PO4

Name and Sign of Course Teacher

Course Outcomes:

The expected learning outcome is that the students will be able to:

1. Understanding of automation knowledge, in terms of production line analysis and logics.
2. Familiarity with CNC technology and robotic areas, thereby achieve multidisciplinary integration of components, equipment.
3. Recognize material handling systems performance using analytical methods.
4. Apply manufacturing methodology to design and improve the manufacturing flexibility.
5. Awareness of the modern methods and techniques in the automation field.

ME805P: ENERGY CONVERSION III (Practical)

Course Outcome:

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

		Blooms Level	PO
ME805P.1	<i>Evaluate</i> the performance of gas turbine and jet propulsion system	Level 5	PO 2,3
ME805P.2	<i>Evaluate</i> current energy scenario <i>and List</i> the various energy generating and saving techniques	Level 4,5	PO 4, 7
ME805P.3	<i>Compare</i> and <i>Analyze</i> hydraulic and pneumatic systems	Level 4,5	PO 3

Name and Sign of Course Teacher

ME805T: ENERGY CONVERSION III (Theory)

Course Outcome:

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

		Blooms Level	PO
ME805T.1	<i>Explain</i> the working of gas turbine and <i>Analyze</i> the performance of it	Level 2,4	PO 2
ME805T.2	<i>Explain</i> the working of jet propulsion system <i>Analyze</i> the performance of it	Level 2,4	PO 2
ME805T.3	<i>Define the</i> fundamentals of solar energy and <i>Explain</i> its conversion into thermal and electrical energy	Level 1, 2	PO 2,7
ME805T.4	<i>Explain</i> energy auditing and its importance in minimizing energy loss	Level 2	PO 2,5,7
ME805T.5	<i>Explain</i> hydraulic and pneumatic systems	Level 2	PO 2,3

Name and Sign of Course Teacher

ME806P: PROJECT(PRACTICAL)

Course Outcome:

After the completion of final project, Students will be able to.....

		Blooms Level	PO
ME806P.1	<i>Develop</i> innovative ideas for solving the industrial and social problems and <i>compose</i> a report as per format.	Level 3, 6	PO 4, 6
ME806P.2	<i>Evaluate</i> the conformance of the developed prototype against the original requirements of the problem	Level 5	PO 2, 4
ME806P.3	<i>Build</i> herself to work as a responsible member and <i>plan</i> as a team with professional and personal ethics .	Level 6	PO 8, 9
ME806P.4	<i>Demonstrate</i> final part and <i>modify</i> the existing system with proper understanding of engineering.	Level 2, 6	PO 1, 6,11, 12

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