

**SCHOOL OF RESEARCH & TECHNOLOGY**

AN ISO 9001: 2008 Certified Institute

Course Outcomes		Department -	Mechanical Engineering
<b>Course Title:</b>	<b>Power Plant Engineering</b>		
<b>Course Code:</b>	<b>MET-601</b>		
<b>Program:</b>	<b>B.TECH.</b>	<b>Semester:-VI</b>	
<b>Credits:</b>	<b>L-3, T-1</b>	<b>P-0</b>	<b>Total-4</b>
<b>Course Outcome</b>			
1	Discuss the energy resources and energy conversion methods available for the production of electric power in India.		
2	Determine the efficiency and output of a modern Rankine cycle steam power plant from given data, including superheat, reheat, regeneration, and irreversibilities		
3	Calculate the heat rate, fan power consumption, flame temperature and combustion air requirements of conventional steam generators (boilers).		
4	Explain the major types of hydro-power and wind-power turbines and estimate power generation potential.		
5	Explain the basic principles of thermal-fission and fast-breeder nuclear power plants, such as pressurized-water, boiling-water, and heavy-water reactors.		
<b>Course Outcomes</b>		<b>Department -</b>	<b>Mechanical Engineering</b>
<b>Course Title:</b>	<b>Production Planning &amp; Control</b>		
<b>Course Code:</b>	<b>MET-602</b>		
<b>Program:</b>	<b>B.TECH.</b>	<b>Semester:-VI</b>	
<b>Credits:</b>	<b>L-3, T-1</b>	<b>P-0</b>	<b>Total-4</b>
<b>Course Outcome</b>			
1	Apply the fundamental concepts of product and brand development and management.		
2	Describe the functions and costs of an inventory system		
3	To develop an ability to apply PPC concepts in a various areas like marketing, accounting, finance, engineering, personnel management, logistics, etc.		
4	Students will understand the importance of accurate planning and product data management as a part of Logistics Management.		
5	To identify the principles of customer and supplier relationship management in supply chains		
<b>Course Outcomes</b>		<b>Department -</b>	<b>Mechanical Engineering</b>
<b>Course Title:</b>	<b>Machine Design - I</b>		
<b>Course Code:</b>	<b>MET-603</b>		
<b>Program:</b>	<b>B.TECH.</b>	<b>Semester:-VI</b>	
<b>Credits:</b>	<b>L-3, T-1</b>	<b>P-2</b>	<b>Total-6</b>
<b>Course Outcome</b>			
1	To understand Design Procedure and design considerations.		
2	To practical use of Data book and other International Engineering Standards in machine part design.		
3	To understand the Material Properties , Failure theories, Strength Characteristic of Machine Components.		
4	To understand the principles involved in evaluating the dimensions of a component i.e. Knuckle joint, cotter joint Levers, Shafts, Keys, Coupling, Springs and Fasters.		

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<b>Course Outcomes</b>		<b>Department -</b>	<b>Mechanical Engineering</b>
<b>Course Title:</b>	<b>Refrigeration &amp; Air Conditioning</b>		
<b>Course Code:</b>	<b>MET-604</b>		
<b>Program:</b>	<b>B.TECH.</b>	<b>Semester:-VI</b>	
<b>Credits:</b>	<b>L-3, T-1</b>	<b>P-2</b>	<b>Total-6</b>
<b>Course Outcome</b>			
1	To understand the principles of refrigeration and air conditioning.		
2	To calculate the cooling load for different applications.		
3	To select the right equipment for a particular application.		
4	The importance of pressure in refrigeration		
5	understand the differences, types and classification, choose a right refrigerant and explain its effect on ozone depletion		
<b>Course Outcomes</b>		<b>Department -</b>	<b>Mechanical Engineering</b>
<b>Course Title:</b>	<b>MACHINE TOOLS AND OPERATIONS</b>		
<b>Course Code:</b>	<b>MET-605</b>		
<b>Program:</b>	<b>B.TECH.</b>	<b>Semester:-VI</b>	
<b>Credits:</b>	<b>L-3, T-1</b>	<b>P-2</b>	<b>Total=6</b>
<b>Course Outcome</b>			
1	To Enrich The Knowledge On Mechanics Of Mechining Process		
2	To introduce students to different machine tools in order to produce components.		
3	To enrich the knowledge pertaining to relative motion		
4	To deveop the effects of various parameters on economics of machining.		
5	To provide students fundamental knowledge and priniciples in material removal		

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<b>Course Outcomes</b>		<b>Department -</b>	<b>Mechanical Engineering</b>
<b>Course Title:</b>	<b>Professional Skills –III</b>		
<b>Course Code:</b>	<b>MET-606</b>		
<b>Program:</b>	<b>B.TECH.</b>	<b>Semester:-VI</b>	
<b>Credits:</b>	<b>L-0,T-0</b>	<b>P-2</b>	<b>Total-2</b>
<b>Course Outcome</b>			
1	Students should understand the Introduction to group discussion, structure and dynamics		
2	Students should know Techniques of effective participation in group discussion		
3	Students should be able Preparing for group discussion; Ways to carry out group discussion		
4	How to prepare for interviews; Language and style to be used in interview arise in using quantitative and qualitative research.		
<b>Course Outcomes</b>		<b>Department -</b>	<b>Mechanical Engineering</b>
<b>Course Title:</b>	<b>Research Methodology</b>		
<b>Course Code:</b>	<b>MET-607</b>		
<b>Program:</b>	<b>B.TECH.</b>	<b>Semester:-VI</b>	
<b>Credits:</b>	<b>L-0,T-0</b>	<b>P-2</b>	<b>Total-2</b>
<b>Course Outcome</b>			
1	Students should understand a general definition of research design		
2	Students should know why educational research is undertaken, and the audiences that profit from research studies		
3	Students should be able to identify the overall process of designing a research study from its inception to its report..		
4	Students should be familiar with ethical issues in educational research, including those issues that arise in using quantitative and qualitative research.		
5	Students should be familiar with how to write a good introduction to an educational research study and the components that comprise such an introduction		