

SCHOOL OF RESEARCH & TECHNOLOGY

AN ISO 9001: 2008 Certified Institute

Course Outcomes		Department -	Mechanical Engineering
Course Title:			
Course Code:	MTTE-201		
Program:	M.Tech.	Semester: II	
Credits:	T-1	L-3	Total-4
Course Outcome			
1	Students will demonstrate knowledge of the Introduction and cascades		
2	Students will demonstrate the ability to perform of Power generating machine, Dual cycle models		
3	Power absorbing machine		
4	Students will demonstrate knowledge of the Power absorbing machine II conservation equation for transport phenomena.		
5	Students will demonstrate knowledge of the Power generating machine II and methods used to reduce them		
Course Outcomes		Department -	Mechanical Engineering
Course Title:	ADVANCED REFRIGERATION AND AIR CONDITIONING		
Course Code:	MTTE-202		
Program:	M.Tech.	Semester: II	
Credits:	T-1	L-3	Total-4
Course Outcome			
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		

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Course Outcomes		Department -	Mechanical Engineering
Course Title:			
Course Code:	MTTE-203		
Program:	M.Tech. (Thermal Power Plant)	Semester: II	
Credits:	T-1	L-3	Total-4
Course Outcome			
1	know the principle Types of fuels and their properties		
2	Understand the concept of Chemical kinetics		
3	Understand the mechanism Factors influencing flame velocity and thickness		
4	Understand the engine performance in terms of power, efficiency, exhaust emission and control		
Course Outcomes		Department -	Mechanical Engineering
Course Title:	& Simulation		
Course Code:	MTTE-204		
Program:	M.Tech.	Semester: II	
Credits:	T-1	L-3	Total-4
Course Outcome			
1	To calculate Measurement of error- classification of errors, environmental errors, signal transmission errors		
2	To understand the various Temperature measurements instrument		
3	To understand the various Flow measurements-		
4	To understand the various Strain Measurement-		
5	To understand the various Control systems		

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Course Outcomes		Department -	Mechanical Engineering
Course Title:	Air Condition		
Course Code:	MTTE-205		
Program:	M.Tech.	Semester: II	
Credits:	T-1	L-3	Total-4
Course Outcome			
1	To understand Carry out Energy Audit of the residence / society / college where they are studying		
2	To understand Carry out electrical tariff calculation and accurately predict the electricity bill required for the installation.		
3	To understand Suggest various methods to reduce energy consumption of the equipment / office		
4	To understand Recognize opportunities for enabling rational use of energy.		
5	To understand Develop innovative energy efficiency solutions and demand management strategies.		
Course Outcomes		Department -	Mechanical Engineering
Course Title:	Lab-III		
Course Code:	MTTE-206		
Program:	M.Tech.	Semester: II	
Credits:	T-0	P-6	Total-6
Course Outcome			
1	Trial on heat pump.		
2	Trial on refrigeration system.		
3	Trial on ice plant.		
4	Determination of Stefan Boltzmann constant by Stefan Boltzmann apparatus.		
5	Determination of Thermal Conductivity of Metal Rod.		

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Course Outcomes		Department -	Mechanical Engineering
Course Title:	Lab-IV		
Course Code:	MTTE-207		
Program:	M.Tech.	Semester: II	
Credits:	T-0	P-6	Total-6
Course Outcome			
1	Study of different types of gas turbine.		
2	Study of rankine cycle		
3	Study Study of regenerative cycles		
4	Gyroscopic Action in Machines		
5	Numerical Methods in CFD		