



FACULTY OF ENGINEERING AND TECHNOLOGY
Department of Mechanical Engineering
Teaching Scheme Session 2022 Onwards

Program Name: Master of Technology Course: M.Tech. in Thermal Engineering
YEAR/SEMESTER: I/I

S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	EE205101	Advanced Thermodynamics	4
2	EE205102	Advanced Fluid Mechanics	4
3	EE205103.1	Equipment Design for Thermal Systems	4
	EE205103.2	Experimental Methods in Thermal Engineering	
	EE205103.3	Numerical Methods in Engineering	
4	EE205104.1	Heating, Ventilating and Air-conditioning	4
	EE205104.2	Gas Dynamics	
	EE205104.3	Micro Fluidics	
5	EE205105	Research Methodology & IPR	2
Practical Papers			
1	EE205121	Simulation Lab	2
2	EE205122	Advanced Thermal Engineering Lab	2
3	SODECA	Social Outreach Discipline & Extra Curriculum Activities	1



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Program Name: Master of Technology Course: M.Tech. in Thermal Engineering
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S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	EE205201	Advance Computational Fluid Dynamics	4
2	EE205202	Advanced Heat and Mass Transfer	4
3	EE205203.1	Air-conditioning System Design	4
	EE205203.2	Design of Heat Exchangers	
	EE205203.3	Combustion	
4	EE205204.1	Micro-scale Heat Transfer	4
	EE205204.2	Design of Wind Power Farms	
	EE205204.3	Boundary Layer Theory and Turbulence	
5	EE205205	Audit Course - I	-
Practical Papers			
1	EE205221	Advanced Heat & Mass Transfer Lab	2
2	EE205222	Computational Fluid Dynamics Lab	2
3	EE205223	Mini Project with Seminar	2
4	SODECA	Social Outreach Discipline & Extra Curriculum Activities	1



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Program Name: Master of Technology – Course: M.Tech. in Thermal Engineering
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S. No.	Subject Code	Subject Title	Credit
Theory Papers			
1	EE205301.1	Optimization Techniques	3
	EE205301.2	Solar energy Engineering and Technology	
	EE205301.3	Innovation and Entrepreneurship for Engineers	
2	EE205302	Open Elective	3
3	EE205303	Audit Course-II	-
Practical Papers			
1	EE205321	Dissertation Phase - I / Industrial Project	10
2	SODECA	Social Outreach Discipline & Extra Curriculum Activities	1



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Program Name: Master of Technology Course: M.Tech. in Thermal Engineering

YEAR/SEMESTER: II/IV

S. No.	Subject Code	Subject Title	Credit
		Practical Papers	
1	EE205421	Dissertation Phase - II	16
2	SODECA	Social Outreach Discipline & Extra Curriculum Activities	1

Prepared By
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