

**Curriculum Details - ME (THERMAL ENGINEERING)**

Semesters	Slots	Courses	Tutorial Hours	Lecture Hours	Practical Hours	Total Hours	Credits
S1	A	COMPUTATIONAL METHODS IN THERMAL ENGINEERING	0	4	0	4	4.00
	B	APPLIED THERMODYNAMICS	0	4	0	4	4.00
	C	CONDUCTION AND RADIATION	0	4	0	4	4.00
	D	ADVANCED FLUID MECHANICS	0	3	0	3	3.00
		ADVANCED REFRIGERATION AND AIR CONDITIONING	0	3	0	3	3.00
	E	INTRODUCTION TO COMBUSTION	0	3	0	3	3.00
		ENVIRONMENTAL POLLUTION AND CONTROL	0	3	0	3	3.00
	F	RESEARCH METHODOLOGY	1	1	0	2	2.00
	S	SEMINAR I	0	0	2	2	2.00
U	THERMAL ENGINEERING LABORATORY	0	0	3	3	1.00	
S2	A	CONVECTIVE HEAT TRANSFER	0	4	0	4	4.00
	B	COMPUTATIONAL METHODS IN FLUID FLOW AND HEAT	0	3	0	3	3.00

		TRANSFER					
	C	IC ENGINE & COMBUSTION	0	3	0	3	3.00
		PRINCIPLES OF TURBO MACHINERY	0	3	0	3	3.00
	D	ALTERNATIVE FUELS FOR I.C ENGINES	0	3	0	3	3.00
		FINITE ELEMENT ANALYSIS	0	3	0	3	3.00
		MODERN ENERGY CONVERSION SYSTEMS	0	3	0	3	3.00
	E	THEORY AND TECHNOLOGY OF FUEL CELLS	0	3	0	3	3.00
		DESIGN OF HEAT TRANSFER EQUIPMENTS	0	3	0	3	3.00
	F	MINI PROJECT	0	0	4	4	2.00
	U	COMPUTATIONAL LAB	0	0	3	3	1.00
S3		CRYOGENIC ENGINEERING	0	3	0	3	3.00
	A	ANALYSIS OF THERMAL POWER PLANT CYCLES AND SYSTEMS	0	3	0	3	3.00
		INTRODUCTION TO TURBULENCE	0	3	0	3	3.00
	B	ENERGY CONSERVATION AND MANAGEMENT	0	3	0	3	3.00

		MEASUREMENTS IN THERMAL SCIENCES	0	3	0	3	3.00
		PROPULSION ENGINEERING	0	3	0	3	3.00
	F1	PROJECT(PHASE 1)	0	0	8	8	6.00
	S	SEMINAR II	0	0	2	2	2.00
<b>S4</b>	F2	Project(Phase II)	0	0	21	21	12.00