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5. PROGRAMME STRUCTURE

Currently, the M. Tech. in Mechanical Engineering is being offered in two specializations viz. Thermal and Fluids Engineering and Machine Design. Detail course structure of the Thermal and Fluids Engineering specializations is given below.

Structure of the M. Tech. curriculum (Specialization: Thermal and Fluid Engineering)

Total Credits: 66

	Course Category	Course Detail								Category-wise credits
		SN	Code	Title	L	T	P	Cr	CH	
I	Core courses	1	ME-535	Advanced Engg. Thermodynamics	3	0	0	3	3	45
		2	ME-541	Advanced Fluid Mechanics	3	1	0	4	4	
		3	ME-562	Experimental Methods in Thermal and Fluid Engineering	3	0	2	7	5	
		4	ME-530	Numerical methods	3	0	1	5	4	
		5	ME-548	Convective Heat and Mass transfer	3	0	0	3	3	
		6	ME-593	Seminar	0	0	0	4	2	
		7	ME-611	MTech Thesis part I					12	
		8	ME-612	MTech Thesis part II					12	
II	Elective courses	1	xx-xxx	Open Elective I					3	21
		2	xx-xxx	Elective I					3*	
		3	xx-xxx	Elective II					3*	
		4	xx-xxx	Open Elective II					3	
		5	xx-xxx	Elective III					3	
		6	xx-xxx	Elective IV					3*	
		7	xx-xxx	Elective V					3*	
Total credits									66	

6. SEMESTER-WISE SCHEDULE

Specialization: Thermal and Fluid Engineering

B.A.
Controller of Examinations
Tezpur University
Tezpur, Assam

Semester	Course detail								Total Credits
	SN	Code	Title	L	T	P	CH	Cr	
I	1	ME-535	Advanced Engg. Thermodynamics	3	0	0	3	3	21
	2	ME-541	Advanced Fluid Mechanics	3	1	0	4	4	
	3	ME-562	Experimental Methods in Thermal and Fluid Engineering	3	0	2	7	5	