



# MTech (Thermal) Curriculum

## Course Structure

Semester - I						
Sr. No.	Course Code	Course Name	Credit Structure			
			L	T	P	C
1	TE107	Thermal Aspects of Composite Materials	3	0	0	3
2	TE108	Finite Element in Fluid and Heat Transfer	3	0	0	3
3	TE109	Low Temperature Systems	3	0	0	3
4	TE110	Fuels & Combustion	3	0	0	3
5	TE111	Finite Element Analysis Laboratory	0	0	3	1.5
6	TE112	Fuels & Combustion Laboratory	0	0	3	1.5
7	TE113	Research Methodology	2	0	0	2
		Core Elective - I	3	0	0	3
		<b>TOTAL</b>	<b>17</b>	<b>0</b>	<b>6</b>	<b>20</b>

Semester - II						
Sr. No.	Course Code	Course Name	Credit Structure			
			L	T	P	C
1	TE114	Computational Fluid Dynamics	3	0	0	3
2	TE115	Design and Material Selection	3	0	0	3
3	TE116	Optimization Techniques	3	0	0	3
4	TE117	Renewable Energy Sources	3	0	0	3
5	TE118	Computational Fluid Dynamics Laboratory	0	0	3	1.5
6	TE119	Software Practices	0	0	3	1.5
		Core Elective - 2	3	0	0	3
		<b>TOTAL</b>	<b>15</b>	<b>0</b>	<b>6</b>	<b>18</b>

**Semester - III**

Sr. No.	Course Code	Course Name	Credit Structure			
			L	T	P	C
1	TE202	M Tech Project -1 (Phase 1)-MTP1	0	0	36	18
		<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>18</b>

**Semester - IV**

Sr. No.	Course Code	Course Name	Credit Structure			
			L	T	P	C
1	TE203	M. Tech Project -2 (Phase 2)-MTP2	0	0	36	18
		<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>18</b>