



TECHNO INDIA UNIVERSITY

W E S T B E N G A L

**CURRICULUM FOR 2-YEARS M.TECH IN MECHANICAL
ENGINEERING**

SPECIALIZATION: THERMAL



DEPARTMENT OF MECHANICAL ENGINEERING

Techno India University, West Bengal

EM-4, EM Block, Sector V, Bidhannagar,

Kolkata -700091, West Bengal

**First Semester**

Course Code	Course Title	Contact Hrs./ Week			Credit
		L	T	P	
Theory					
TIU-PME-T111	ADVANCED THERMODYNAMICS	3	1	0	4
TIU-PME-T113	ADVANCE FLUID MECHANICS	3	1	0	4
TIU-PME-T117	CONDUCTION & RADIATION HEAT TRANSFER	3	1	0	4
TIU-PMA-T115	ADVANCED NUMERICAL ANALYSIS	3	1	0	4
Practical					
TIU-PME-L103	ADVANCED FLUID MECHANICS LAB I	0	0	4	2
Sessional					
TIU-PME-S199	SEMINAR I	0	0	4	2
Total Credits					20

**Second Semester**

Course Code	Course Title	Contact Hrs./ Week			Credit
		L	T	P	
Theory					
TIU-PME-T106	CONVECTIVE HEAT TRANSFER	3	1	0	4
TIU-PME-T108	COMPUTATIONAL FLUID DYNAMICS	3	1	0	4
TIU-PME-E106	COMBUSTION TECHNOLOGY	3	1	0	4
TIU-PME-E108	TURBINES, FANS & COMPRESSORS	3	1	0	4
Practical					
TIU-PME-L104	ADVANCED FLUID MECHANICS LAB II	0	0	4	2
Sessional					
TIU-PME-S198	SEMINAR II	0	0	4	2
Total Credits					20



Third Semester

Course Code	Course Title	Contact Hrs./ Week			Credit
		L	T	P	
Practical					
TIU-PME-P201	M. Tech Project 1	0	0	24	12
Total Credits					12



Fourth Semester

Course Code	Course Title	Contact Hrs./ Week			Credit
		L	T	P	
Practical					
TIU-PME-P202	M. Tech Project 2	0	0	24	12
Total Credits					12