



TECHNO INDIA UNIVERSITY

W E S T B E N G A L

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

SPECIALIZATION: MANUFACTURING



DEPARTMENT OF MECHANICAL ENGINEERING

Techno India University, West Bengal

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

Kolkata -700091, West Bengal



TECHNO INDIA UNIVERSITY

W E S T B E N G A L

First Semester

Course Code	Course Title	Contact Hrs./ Week			Credit
		L	T	P	
Theory					
TIU-PME-T103	Advanced Material Science	3	0	0	3
TIU-PME-T105	Theory of Machining	3	0	0	3
TIU-PME-E107	Modern Manufacturing Processes (Elective I)	3	0	0	3
TIU-PME-E109A	Rapid Prototyping (Elective II)	3	0	0	3
TIU-PME-E109B	Operations Research (Elective II)	3	0	0	3
TIU-PMA-T115	Advanced Numerical Analysis	3	1	0	4
Practical					
TIU-PME-L101	Advanced Manufacturing Lab 1	0	0	4	2
Sessional					
TIU-PME-S199	Seminar 1	0	0	4	2
Total Credits					20

**Second Semester**

Course Code	Course Title	Contact Hrs./ Week			Credit
		L	T	P	
Theory					
TIU-PME-T102	Metal Forming Processes	3	1	0	4
TIU-PME-T104	Robotics	3	1	0	4
TIU-PME-E100	Materials Characterization (Elective - III)	3	1	0	4
TIU-PME-E104	Product Development and CIM (Elective IV)	3	1	0	4
Practical					
TIU-PME-L102	Advanced Manufacturing 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 I	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 II	0	0	24	12
Total Credits					12