



TECHNO INDIA UNIVERSITY

W E S T B E N G A L

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

SPECIALIZATION: POWER SYSTEMS



DEPARTMENT OF ELECTRICAL ENGINEERING

Techno India University, West Bengal

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

Kolkata -700091, West Bengal

**First Semester**

Sl. No.	Subject Code	Subject	Periods per week			Credits
			L	T	P	
Theory						
1	TIU-PMA-T115	ADVANCED NUMERICAL ANALYSIS	3	1	0	4
2	TIU-PEE-T121	ADVANCED POWER SYSTEM ANALYSIS	3	1	0	4
3	TIU-PEE-T123	ADVANCED HIGH VOLTAGE ENGINEERING	3	1	0	4
4	TIU-PEE-T105	ADVANCED CONTROL SYSTEMS	3	1	0	4
5.	TIU-PEE-T127	CONDITION MONITORING OF POWER EQUIPMENT	3	1	0	4
Practical						
1	TIU-PEE-L105	ADVANCED POWER SYSTEM LAB	0	0	3	2
2	TIU-PEE-S101	SEMINAR	0	0	3	2
Sessional						
1	TIU-PES-S199	ENTREPRENEURSHIP SKILL DEVELOPMENT	-	-	-	2
Total Credits						26

**Second Semester**

Sl. No.	Subject Code	Subject	Contacts			Credits
			L	T	P	
Theory						
1.	TIU- PCS-T120	MACHINE LEARNING	3	1	0	4
2.	TIU-PEE-T106	POWER ELECTRONICS APPLICATION IN EHV TRANSMISSION (FACTS AND HVDC)	3	1	0	4
3.	TIU-PEE-T108	RELIABILITY ENGINEERING	3	1	0	4
4.	TIU-PEE-T128	OVERVOLTAGE PROTECTION AND INSULATION COORDINATION	3	1	0	4
5.	TIU-PEE-T130	POWER SYSTEM OPERATION AND CONTROL	3	1	0	4
Practical						
1	TIU-PEE-L124	TERM PAPER LEADING TO THESIS	0	0	3	2
2	TIU-PEE-S102	SEMINAR	0	0	3	2
Sessional						
1	TIU-PES-S198	ENTREPRENEURSHIP SKILL DEVELOPMENT	-	-	-	2
Total Credits						26

**Third Semester**

Sl. No.	Subject Code	Subject	Contacts			Credits
			L	T	P	
1	TIU-PEE-P299	THESIS WORK	0	0	6	3
2	TIU-PEE-G299	VIVA-VOCE ON THESIS	0	0	6	3
Total Credits						6

**Fourth Semester**

Sl. No.	Subject Code	Subject	Contacts			Credits
			L	T	P	
1	TIU-PEE-P298	THESIS WORK	0	0	6	3
2	TIU-PEE-G298	VIVA-VOCE ON THESIS	0	0	6	3
Total Credits						6