

M.TECH-POWER ELECTRONICS

I-YEAR - I SEMESTER

S. No.	Course Code	Name of the Subject	L	P	C	I	E	T
1	PGEE1T0122	Power Electronic Converters	3	0	3	40	60	100
2	PGEE1T0222	Modeling & Analysis of Electrical Machines	3	0	3	40	60	100
3	PGEE1T0322	Advanced Micro Controller Based Systems	3	0	3	40	60	100
4	PGEE1T0422	Modern Control Theory	3	0	3	40	60	100
5	PGEE1T0522 PGEE1T0622 PGEE1T0722	Elective: I a. Special Electrical Machines b. Flexible AC Transmission Systems c. Design Aspects in Control	3	0	3	40	60	100
6	PGEE1P0822	Simulation of Power Electronic Converters Lab	0	3	1.5	40	60	100
7	PGEE1P0922	Power Converters Lab	0	3	1.5	40	60	100
Total			15	6	18	280	420	700

I-YEAR - II SEMESTER

S. No.	Course Code	Name of the Subject	L	P	C	I	E	T
1	PGEE2T0122	Switched Mode Power Supplies and Resonant Converters	3	0	3	40	60	100
2	PGEE2T0222	Electric Drives	3	0	3	40	60	100
3	PGEE2T0322	Digital Control Systems	3	0	3	40	60	100
4	PGEE2T0422 PGEE2T0522 PGEE2T0622	Elective: II a. Power Electronics for Renewable Energy Systems b. PWM Converters and Applications c. Electric and Hybrid Vehicles	3	0	3	40	60	100
5	PGEE2T0722 PGEE2T0822 PGEE2T0922	Elective: III a. Artificial Intelligence Techniques b. Optimization Techniques c. Evolutionary Algorithms	3	0	3	40	60	100
6	PGEE2P1022	Simulation of Electric Drives Lab	0	3	1.5	40	60	100
7	PGEE2P1122	Electric Drives Lab	0	3	1.5	40	60	100
Total			15	6	18	280	420	700

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II Year –I Semester

S.No	Course Code	Name of the Course	L	P	C	I	E	T
1	PGEE3S0122	Comprehensive Viva	0	0	2	50	0	50
2		Project Work	0	0	14	0	0	0
Total			0	0	16	50	0	50

II Year –II Semester

S.No	Course Code	Name of the Course	L	P	C	I	E	T
1	PGEE4S0122	Seminar	0	0	2	50	0	50
2	PGEE4J0222	Project Work	0	0	14	0	0	0
Total			0	0	16	50	0	50