

Revised CURRICULUM FOR M. TECH. POWER ELECTRONICS**SEMESTER I**

CODE	COURSE OF STUDY	L	T	P	C
EE651	Power Converters	3	0	0	3
EE653	Industrial Control Electronics	3	0	0	3
EE655	System Theory	3	0	0	3
	Elective I	3	0	0	3
	Elective II	3	0	0	3
	Elective III	3	0	0	3
EE657	Power Converters Laboratory	0	0	3	2
	Total	18	0	3	20

SEMESTER II

CODE	COURSE OF STUDY	L	T	P	C
EE652	Switched Mode Power Conversion	3	0	0	3
EE654	Power Electronic Drives	3	0	0	3
EE656	Microcontroller Applications In Power Converters	3	0	0	3
	Elective IV	3	0	0	3
	Elective V	3	0	0	3
	Elective VI	3	0	0	3
	Total	18	0	0	18

SEMESTER III

CODE	COURSE OF STUDY	L	T	P	C
MA697	Project Work	0	0	24	12

SEMESTER IV

CODE	COURSE OF STUDY	L	T	P	C
EE698	Project Work	0	0	24	12

ELECTIVES

CODE	COURSE OF STUDY	L	T	P	C
MA603	Optimization Techniques	3	0	0	3
EE661	Advanced Power System Analysis	3	0	0	3
EE662	Analysis And Design Of Artificial Neural Networks	3	0	0	3
EE663	Advanced Digital System Design	3	0	0	3
EE664	Flexible AC Transmission Systems	3	0	0	3
EE665	Advanced Digital Signal Processing	3	0	0	3
EE666	Computer Networking	3	0	0	3
EE667	Fuzzy Systems	3	0	0	3
EE668	Principles Of VLSI Design	3	0	0	3
EE669	Modeling And Analysis Of Electrical Machines	3	0	0	3
EE670	Renewable Power Generation Technologies	3	0	0	3
EE671	Power Systems Operation And Control	3	0	0	3
EE672	Electrical Distribution Systems	3	0	0	3
EE673	Power System Planning And Reliability	3	0	0	3

EE674	Advanced Power System Protection	3	0	0	3
EE675	Digital Simulation Of Power Electronic Systems	3	0	0	3
EE676	PWM Converters And Applications	3	0	0	3
EE677	Transient over Voltages in Power Systems	3	0	0	3
EE678	High Voltage DC Transmission	3	0	0	3
EE679	Embedded System Design	3	0	0	3
EE680	Computer Relaying And Wide Area Measurement Systems	3	0	0	3
EE681	Advanced DSP Architecture And Programming	3	0	0	3
EE682	Power System Restructuring and Pricing	3	0	0	3
EE683	Advanced Topics in Power Electronics	3	0	0	3
EE684	Design Techniques for SMPS	3	0	0	3
EE685	Smart Grid Technologies	3	0	0	3
EE686	Electric Systems in Wind Energy	3	0	0	3
EE687	Embedded Processors and Controllers	3	0	0	3
EE688	Distributed Generation and Micro-grid	3	0	0	3
EE689	Control Design Techniques for Power Electronic Systems	3	0	0	3
EE690	Energy Auditing and Management	3	0	0	3
EE691	Electric and Hybrid Vehicles	3	0	0	3
EE692	Energy Storage Systems				