Suggestive Study Path for Master Electrical Power Systems (FT)

	First Semester	**Second Semester**	**Third Semester**	**Fourth Semester**
Professional Core (PC) **Total=52**	**EE51001:**Advanced Control Systems (3+1+0)=4 **EE51002**:Advanced Power Electronics (3+1+0)=4 **EE51003**:EHV AC Transmission Systems (3+1+0)=4 **EE51004:**Simulation lab-I (0+0+1)=1 **EE51005:**Seminar I (0+0+1)=1 **Total= 14**	**EE51006:**Power System Dynamics and Stability (3+1+0)=4 **EE51007:**Advanced Switchgear Protection (3+1+0)=4 **EE51008**:H.V.D.C Transmission Systems and Flexible AC Transmission Systems (3+1+0)=4 **EE51009:**Simulation lab-II/Mini Project (0+0+1)=1 **EE51010:**Seminar II (0+0+1)=1 **Total= 14**	**EE61002:**Dissertation-I (0+0+10)=10 **Total= 10**	**EE61003:**Dissertation-II (0+0+14)=14 **Total= 14**
Professional Electives (PE) **Total=16**	Elective-I (3+1+0)=4 **Total= 04**	Elective-II (3+1+0)=4 Elective-III (3+1+0)=4 Elective-IV (3+1+0)=4 **Total= 12**		
Open Electives (OE) **Total=04**			Open Elective (3+1+0)=4 **Total= 04**	
Compulsory Foundation (CF) **Total=04**	Research Methodology (3+1+0)=4 **Total= 04**			
Total Credits =76	**22**	**26**	**14**	**14**

*List of Electives				
Electives I, II , III and IV				
Group A	**Group B**	**Group C**	**Group D**	**Group E**
EE51011 Power System Planning Operation & Control	**EE51019** Fuzzy-Logic & Artificial Neural Networks	**EE51020** Advanced Electric Drives	**EE51021** Illumination Engineering	**EE51024** Optimization Technique
EE51012 Computer Aided Power System Analysis		**EE52001** Electrical Machine Modeling and Analysis	**EE51022** Wind Energy Systems	**EE52004** Digital Signal Processing
EE51013 High Voltage Engineering		**EE52018** Electric vehicle	**EE51023** Solar Energy Systems	**EE52023** Microcontroller & Its Application
EE51014 Smart Grid Technology				**CS(XXXXX)** Internet of things
EE51015 Power System Design				
EE51016 Power System Transients				
EE51017 Restructured Power Systems				
EE51018 Life Estimation Of Power system Equipments				
EE52009 Power System Reliability				