



MTech (Power Systems) Curriculum

Course Structure

Semester - I		
Sr. No.	Course Name	Credits
1	Power System Management and planning	4
2	Dynamic Analysis And Performance Of Electric Machines	4
3	Optimization Techniques	4
4	Advanced Power System	4
5	Advanced Switchgear And Protection	4
6	Advanced Switchgear And Protection Laboratory	15
7	Dynamic Analysis And Performance Of Electric Machines Laboratory	15

Semester - II		
Sr. No.	Course Name	Credits
1	SMARD GRID	4
2	Power Electronics Application to Power System	4
3	Reactive Power Control In Power System	4
4	Power System Stability	4
5	Research Methodology	2
6	Elective	3
7	Power System Simulation Laboratory	15
8	Power Electronics Application to Power System Laboratory	15

Semester - III

Sr. No.	Course Name	Credits
1	Dissertation Preliminary	18

Semester - IV

Sr. No.	Course Name	Credits
1	Dissertation	20

Core Elective Subjects**Semester - V**

Sr. No.	Course Name
1	Renewable Energy Sources
2	High voltage Engineering
3	Digital Signal Processing