GURU NANAK DEV ENGNINEERING COLLEGE, LUDHIANA
ELECTRICAL ENGINEERING DEPARTMENT
SYLLABUS SCHEME FOR M.TECH. (POWER ENGG.) FULL-TIME
2014 ONWARDS

Sr. No.	Description of Subject	No. of Subjects	Marks per Subject (Internal + External)	Total Marks
1	Core	6	150 (50 + 100)	900
2	Program Elective (Department Elective)	4	150 (50 + 100)	600
3	Program Elective (Open Elective)	2	150 (50 + 100)	300
4	Laboratory	2	100 (50 + 50)	200
5	Pre Thesis Seminar	1	100 (100 + 0)	100
6	Pre Thesis Project	1	100 (100 + 0) 50+50	100
7	Thesis	1	300 (200 + 100)	300
G. Total				2500

Sr. No.	Subject Code	Subject Name	Description of Subject	Credits
SEMESTER – I				
1	MTPEE – 501	Advanced Power System Analysis	Core	4
2	MTPEE – 502	Power System Operation and Control	Core	4
3	MTPEE – 503	Advanced Electrical Machines	Core	4
4	MTPEE – 507	Power System Software Lab	Core	2
5	MTPEE – XXX	Department Elective - I	Program Elective	3
6	MTPEE – XXX	Department Elective - II	Program Elective	3
Total Credit				20
SEMESTER – II				
1	MTPEE – 504	HVDC Transmission	Core	4
2	MTPEE – 505	Power System Protection	Core	4
3	MTPEE – 506	EHVAC Transmission	Core	4
4	MTPEE – 508	Industrial Automation Lab	Core	2
5	MTPEE – XXX	Department Elective - III	Program Elective	3
6	MTXX – XXX	Open Elective - I	Program Elective.	3
Total Credit				20
SEMESTER – III				
1	MTPEE – XXX	Department Elective - IV	Program Elective	3
2	MTXX – XXX	Open Elective - II	Program Elective	3
3	MTPEE – 509	Pre Thesis Seminar	Core	4
4	MTPEE – 510	Pre Thesis Project	Core	4
Total Credit				14
SEMESTER – IV				
1	MTPEE – 511	Thesis	Core	14