## GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Subject code	Course title	Type	L	P	Credits
1 (	MTPEE - 501	Advanced Power System Analysis	Core	4	-	4
2 ′	MTPEE - 502	Power System Operation and Control	Core	4	-	4
3	MTPEE - 503	Advanced Electrical Machines	Core	4	-	4
4	MTPEE - 504	HVDC Transmission	Core	4	-	4
5	MTPEE - 505	Power System Protection	Core	4	-	4
6	MTPEE - 506	EHVAC Transmission	Core	4	-	4
7	MTPEE - 507	Power System Software Lab - I	Core	-	2	2
8	MTPEE - 508	Industrial Automation Lab - II	Core	-	2	2
9	MTPEE - 509	Pre Thesis Seminar	Core	-	2	4
10	MTPEE - 510	Pre Thesis Project	Core	-	2	4
11 -	MTPEE - 511	Thesis	Core	-	-	14
12	MTPEE - 601	Research Methodology	Program Elective	3	-	3
13	MTPEE - 602	Advanced Power Electronics	Program Elective	3	-	3
14	MTPEE - 603	Digital Control System	Program Elective	3	-	3
15	MTPEE - 604	Energy Efficient Machines	Program Elective	3	-	3
16 .	MTPEE - 605	Power System Planning	Program Elective	3	-	3
17	MTPEE - 606	Power Systems Stability	Program Elective	3	-	3
18	MTPEE - 607	Advanced Electrical Drives	Program Elective	3	-	3
19	MTPEE - 608.	Microprocessors & their applications	Program Elective	3	-	3
20	MTPEE - 609	Industrial Instrumentation and Process Control	Program Elective	3	-	3
21	MTPEE - 610	Power System Transients	Program Elective	3	-	3
22	MTPEE - 611	Operation and Modeling of Restructured Power System	Program Elective	3	-	3
23	MTPEE - 612	Power System Reliability	Program Elective	3	-	3
24	MTPEE - 613	Renewable Energy Resources	Program Elective	3	-	3
25	MTPEE - 614	Reliability Engineering	Program Elective	3	-	3
26	MTPEE - 615	Optimization Techniques	Program Elective	3	-	3
27	MTPEE - 616	Neural Networks & Fuzzy Logic	Program Elective	3	-	3
21	WITTEL 010	Economics and Organization of		3		3