



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)  
 S.P.G.Chidambara Nadar - C.Nagammal Campus  
 S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**M.E. Power Systems Engineering (as per Regulation 2020)**

**Amendments in Professional Elective Courses (PE)**

(With effect from academic year 2024 – 2025)

S. No.	Course Code	Course Name	Category	Contact Periods	Credits			
					L	T	P	C
<b>Professional Elective I (1<sup>st</sup> Semester)</b>								
1.	PS1131	Computer Aided Design of Electrical Apparatus	PE	3	3	0	0	3
2.	PS1132	Industrial Power System Analysis and Design	PE	3	3	0	0	3
3.	PS1133	Nano Materials and Applications of High Voltage Engineering	PE	3	3	0	0	3
4.	PS1134	Power System Planning and Reliability	PE	3	3	0	0	3
5.	PS1135	Power System Voltage Stability	PE	3	3	0	0	3
6.	PS1140	Research Methodology	PE	3	3	0	0	3
<b>Professional Elective II (2<sup>nd</sup> Semester)</b>								
1.	PS1231	AI Techniques for Power Systems	PE	3	3	0	0	3
2.	PS1232	Distributed Generation and Microgrid	PE	3	3	0	0	3
3.	PS1233	Electric Vehicles and Power Management	PE	3	3	0	0	3
4.	PS1234	Energy Management and Auditing	PE	3	3	0	0	3
5.	PS1236	Wind Energy Conversion Systems	PE	3	3	0	0	3
6.	PS1237	Solar and Energy Storage Systems	PE	3	3	0	0	3
<b>Professional Elective III (3<sup>rd</sup> Semester)</b>								
1.	PS1331	Electromagnetic Field Computation and Modelling	PE	3	3	0	0	3
2.	PS1332	Power Quality Assessment and Mitigation	PE	3	3	0	0	3

S. No.	Course Code	Course Name	Category	Contact Periods	Credits			
					L	T	P	C
3.	PS1333	Power System Optimization	PE	3	3	0	0	3
4.	PS1334	Power System State Estimation	PE	3	3	0	0	3
5.	PS1335	SCADA and DCS	PE	3	3	0	0	3
6.	PS1336	Smart Grid Technologies	PE	3	3	0	0	3
<b>Professional Elective IV (3<sup>rd</sup> Semester)</b>								
1.	PS1337	Application of Power Electronics in Power Systems	PE	3	3	0	0	3
2.	PS1338	Control and Protection of Microgrid	PE	3	3	0	0	3
3.	PS1339	Design of Substations	PE	3	3	0	0	3
4.	PS1340	Electrical Safety & Hazard Management	PE	3	3	0	0	3
5.	PS1341	Energy Efficient Building Management Systems	PE	3	3	0	0	3
6.	PS1342	IoT for Power Engineers	PE	3	3	0	0	3

  
Staff Incharge

  
HoD/EEE

  
Dean Academics

  
Controller of Examination

  
Principal