

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)  
DEPARTMENT ELECTRICAL AND ELECTRONICS ENGINEERING**

**List of professional electives for B.E. (EEE) offered by the Department of Electrical & Electronics  
Engineering  
AY 2022-23**

**Professional Elective – I:**

1. U20PE710EE - High Voltage DC Transmission
2. U20PE720EE - Electrical Drives and Static Control
3. U20PE730EE - Mathematical Methods in Control Systems

**Professional Elective – II:**

1. U20PE740EE - Power System Operation and Control
2. U20PE750EE - Wind and Solar Energy Systems
3. U20PE760EE - Advanced control systems

**Professional Elective – III:**

1. U20PE770EE - Distributed Generation
2. U20PE780EE – Electric and Hybrid Vehicles
3. U20PE790EE – Industrial IoT

**Professional Elective – IV:**

1. U20PE712EE - Electrical Power Distribution Engineering
2. U20PE713EE - Power Quality
3. U20PE714EE - Programmable Logic Controllers

**Professional Elective – V:**

1. U20PE810EE - Electrical Machine Design
2. U20PE820EE - Switched mode power conversion
3. U20PE830EE - SCADA system and application

**Professional Elective – VI:**

1. U20PE840EE – AI applications to Power Systems
2. U20PE850EE – Advanced Modulation Techniques for Power Converters
3. U20PE860EE – Smart Grid Technologies