

**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**SRI PADMAVATHI MAHILA VISVAVIDYALAYAM**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**List of Courses-Professional Core**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Year /Semester</b>	<b>Number of Credits</b>	<b>Prerequisites</b>	<b>Year/ Semester</b>
1	20EET01	Basic Electrical Engineering	I-II	3	Engineering Mathematics-I-20BST04	I-I
2	20EET02	Electrical Circuits-I	II-I	3	Engineering Mathematics-I-20BST04, Engineering Physics-20BST03	I-I, I-II
3	20EET03	Generation Of Electric Power	II-I	3	Engineering Physics-20BST03	I-II
4	20EET04	Electrical Circuits-II	II-II	3	Electrical Circuits-I -20EET02	II-I
5	20EET05	Power Systems-I	II-II	3	Generation Of Electric Power-20EET03	II-I
6	20EET06	Electrical Machines-I	II-II	3	Electrical Circuits-I -20EET02	II-I
7	20EET07	Electrical Machines-II	III-I	3	Electrical Machines-I-20EET06	II-II
8	20EET08	Power Systems-II	III-I	3	Power Systems-I-20EET05	II-II
9	20EET09	Control Systems	III-I	3	Electrical Circuits-I -20EET02 Engineering Mathematics-I-20BST04	II-I, I-I
10	20EET10	Switch Gear & Protection	III-II	3	Power Systems-I-20EET05	II-II
11	20EET11	Power Electronics	III-II	3	Basic Electronics Engineering-20ECT01	I-I
12	20EET12	Electrical & Electronics Measurements	III-II	3	Electrical Circuits-I -20EET02	II-I
13	20EET13	Power Systems-III	IV-I	3	Power Systems-II-20ECT08	III-I

**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**SRI PADMAVATHI MAHILA VISVAVIDYALAYAM**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**List of Courses-Professional Electives**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Year /Semester</b>	<b>Number of Credits</b>	<b>Prerequisites</b>	<b>Year/ Semester</b>
1	20EET14	Electrical Machine Design	III-I	3	Electrical Machines-I-20EET06	II-II
2	20EET15	Electromagnetic Fields	III-I	3	Engineering Mathematics-I-20BST04, Engineering Physics-20BST03	I-I, I-II
3	20EET16	Renewable Energy Sources	III-II	3	Power Systems-I-20EET05	II-II
4	20EET17	Modern Control Theory	III-II	3	Control Systems-20EET09	III-I
5	20EET18	Special Machines	III-II	3	Electrical Machines-II-20EET07	III-I
6	20EET19	Power Quality & FACTS	III-II	3	Power Systems-I-20EET05	II-II
7	20EET20	High Voltage Engineering	III-II	3	Power Systems-I-20EET05	II-II
8	20EET21	Neural Network & Fuzzy Logic	III-II	3	Digital System Design	II-I
9	20EET22	Industrial Electrical Systems	III-II	3	---	
10	20EET23	Electrical Distribution Systems	IV-I	3	Power Systems-I-20EET05	II-II
11	20EET24	Electrical Drives	IV-I	3	Power Electronics-20EET11	III-II
12	20EET25	Utilization Of Electrical Energy	IV-I	3	Power Systems-I-20EET05	II-II
13	20EET26	PLCs & applications	IV-I	3	---	

**SCHOOL OF ENGINEERING AND TECHNOLOGY  
SRI PADMAVATHI MAHILA VISVAIDYALAYAM  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
List of Courses-Open Electives**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Year /Semester</b>	<b>Number of Credits</b>	<b>Prerequisites</b>	<b>Year/ Semester</b>
1	20EET28	Electrical Engineering Materials	III-II	3	Engineering Physics-20BST03	I-II
2	20EET29	Energy Auditing & Demand Side Management	III-II	3	Basic Electrical Engineering-20EET01	I-II
3	20EET30	Artificial Neural Networks	IV-I	3	---	
4	20EET31	Energy Storage Systems	IV-I	3	Basic Electrical Engineering-20EET01	I-II
5	20EET32	Conventional & Non Conventional Energy Sources	IV-I	3	Basic Electrical Engineering-20EET01	I-II
6	20EET33	Design Estimation & Costing of Electrical System	IV-I	3	---	

**SCHOOL OF ENGINEERING AND TECHNOLOGY  
SRI PADMAVATHI MAHILA VISVAIDYALAYAM  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
List of Practical Courses**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Year /Semester</b>	<b>Number of Credits</b>	<b>Prerequisites</b>	<b>Year/ Semester</b>
1	20EET01	Basic Electrical Engineering Lab	I-II	1	---	
2	20EEP02	Electrical Circuits-I Lab	II-I	1	Basic Electrical Engineering Lab-20EET01	I-II
3	20EEP03	Electrical Circuits-II Lab	II-II	1	Electrical Circuits-I Lab-20EET02	II-I
4	20EEP04	Electrical Machines-I Lab	II-II	1	Basic Electrical Engineering Lab-20EET01	I-II
5	20EEP05	Electrical Machines-II Lab	III-I	1	Electrical Machines-I Lab-20EET04	II-II
6	20EEP06	Control Systems Lab	III-I	1	Electrical Machines-I Lab-20EET04	II-II
7	20EEP07	Power Electronics Lab	III-II	1	----	
8	20EEP08	Electrical &Electronics Measurements Lab	III-II	1	Electrical Circuits-I Lab-20EET02	II-I
9	20EEP09	Power systems simulation lab	IV-I	1	Basics of MATLAB-20EES02	III-I

**SCHOOL OF ENGINEERING AND TECHNOLOGY  
SRI PADMAVATHI MAHILA VISVAIDYALAYAM  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**List of Skill Oriented Courses**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Year /Semester</b>	<b>Number of Credits</b>	<b>Prerequisites</b>	<b>Year/ Semester</b>
1	20EES01	Electrical Safety	II-II	2	Basic Electrical Engineering Lab-20EET01	I-II
2	20EES02	Basics of MATLAB	III-I	2	----	
3	20EES03	Electrical CAD	III - II	2	----	
4	20EES04	PLC & SCADA	IV-I	2	-----	