

**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**SRI PADMAVATI MAHILA VISVAVIDYALAYAM**  
**SCHEME OF INSTRUCTION AND EVALUATION OF B.TECH (EEE)**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**I YEAR – I SEMESTER (2020-21)**

**THEORY**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (30 Marks)			External (70 Marks)		
								Assignment	Test				
				L	T	P		Max. Marks	Duration	Max. Marks	Duration	Max. Marks	
1	BS	20BST04	Engineering Mathematics-I	3	1	0	4	5	2	25	3	70	100
2	BS	20BST02	Engineering Chemistry	3	1	0	4	5	2	25	3	70	100
3	ES	20CST01	Programming for Problem Solving	2	1	0	3	5	2	25	3	70	100
4	ES	20ECT01	Basic Electronics	2	1	0	3	5	2	25	3	70	100
5	MAN	20BST13	Essence of Indian Knowledge Tradition	3	0	0	0	Satisfactory/Not Satisfactory					

**PRACTICALS**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (40 Marks)			External (60 Marks)		
								Continuous	Test				
				L	T	P		Max. Marks	Duration	Max.	Duration	Max.	
6	BS	20BSP02	Engineering Chemistry Lab	0	0	2	1	20	2	20	3	60	100
7	ES	20CSP01	Programming for Problem Solving Lab	0	0	4	2	20	2	20	3	60	100
8	ES	20MEP01	Engineering Graphics	0	0	6	3	20	2	20	3	60	100
9	ES	20ECP01	Basic Electronics Engineering Lab	0	0	2	1	20	2	20	3	60	100
<b>Total</b>				<b>13</b>	<b>4</b>	<b>14</b>	<b>21</b>						<b>800</b>

D.Himabindu  
Coordinator

Pof.V.C.Veera Reddy  
BOS Chairman

Prof.A.Ramakrishna Rao  
Director, SOET

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**I YEAR – II SEMESTER (2020-21)**

<b>THEORY</b>													
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (30 Marks)			External (70 Marks)		
				Assignment	Test			Duration	Max. Marks	Duration	Max. Marks		
				Max. Marks	Duration	Max. Marks							
L	T	P	Max. Marks	Duration	Max. Marks	Duration	Max. Marks						
1	BS	20BST05	Engineering Mathematics-II	3	1	0	4	5	2	25	3	70	100
2	BS	20BST03	Engineering Physics	3	1	0	4	5	2	25	3	70	100
3	HUS	20BST01	Functional English	3	0	0	3	5	2	25	3	70	100
4	HUS	20BST08	Economics And Accountancy	3	1	0	4	5	2	25	3	70	100
5	MAN		NCC/NSS	2			SATISFACTORY/NOT SATISFACTORY						
<b>PRACTICALS</b>													
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (40 Marks)			External (60 Marks)		
				Continuous	Test			Duration	Max. Marks	Duration	Max. Marks		
				Max. Marks	Duration	Max. Marks							
L	T	P	Max. Marks	Duration	Max. Marks	Duration	Max. Marks						
6	HUS	20BSP01	Communicative English Lab	0	0	2	1	20	2	20	3	60	100
7	BS	20BSP03	Engineering Physics Lab	0	0	2	1	20	2	20	3	60	100
8	ES	20MEP03	Workshop and Manufacturing Practices	0	0	4	2	20	2	20	3	60	100
<b>Total</b>				<b>12</b>	<b>3</b>	<b>8</b>	<b>19</b>						<b>700</b>

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**II YEAR – I SEMESTER (2020-21)**

<b>THEORY</b>													
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (30 Marks)					External (70 Marks)				
				Assignment	Test			External (70 Marks)					
					Max. Marks	Duration		Max. Marks	Duration	Max. Marks			
L	T	P											
1	BS	20BST06	Engineering Mathematics-III	3	1	0	4	5	2	25	3	70	100
2	PC	20ECT03	Digital System Design	3	1	0	4	5	2	25	3	70	100
3	ES	20MET02	Engineering Mechanics	3	0	0	3	5	2	25	3	70	100
4	PC	20EET02	Electrical Circuits-I	2	1	0	3	5	2	25	3	70	100
5	PC	20EET03	Generation Of Electric Power	3	0	0	3	5	2	25	3	70	100
6	MAN	20BST12	Environmental Studies	3	0	0	0	Satisfactory/Not Satisfactory					
7	MAN		NCC/NSS	2			SATISFACTORY/NOT SATISFACTORY						
<b>PRACTICALS</b>													
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (40 Marks)				External (60 Marks)					
				Continuous	Test			External (60 Marks)					
					Max. Marks	Duration		Max.	Duration	Max.			
L	T	P											
7	PC	20ECP03	Digital System Design Lab	0	0	2	1	20	2	20	3	60	100
8	PC	20EEP02	Electrical Circuits-I Lab	0	0	2	1	20	2	20	3	60	100
9	SC	20EES01	Skill Oriented Course 1	0	1	2	2	20	2	20	3	60	100
<b>Total</b>				<b>17</b>	<b>4</b>	<b>6</b>	<b>21</b>						<b>800</b>

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**II YEAR – II SEMESTER (2020-21)**

**THEORY**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (30 Marks)					External (70 Marks)				
				Assignment	Test								
				Max. Marks	Duration	Max. Marks		Duration	Max. Marks				
1	PC	20ECT04	Signals & Systems	3	1	0	4	5	2	25	3	70	100
2	PC	20ECT35	Electronic Circuits	2	1	0	3	5	2	25	3	70	100
3	PC	20EET04	Electrical Circuits-II	3	0	0	3	5	2	25	3	70	100
4	PC	20EET05	Power Systems-I	2	1	0	3	5	2	25	3	70	100
5	PC	20EET06	Electrical Machines-I	3	0	0	3	5	2	25	3	70	100
6	MAN	20BST16	Universal Human values and Ethics	3	0	0	3						

**PRACTICALS**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (40 Marks)				External (60 Marks)					
				Continuous	Test								
				Max. Marks	Duration	Max.		Duration	Max.				
7	PC	20ECP11	Electronic Circuits Lab	0	0	2	1	20	2	20	3	60	100
8	PC	20EEP03	Electrical Circuits-II Lab	0	0	2	1	20	2	20	3	60	100
9	PC	20EEP04	Electrical Machines-I Lab	0	0	2	1	20	2	20	3	60	100
11	SC	20BSS01	Skill Oriented Course-2	0	1	2	2	20	2	20	3	60	100
<b>Total</b>				<b>16</b>	<b>4</b>	<b>8</b>	<b>24</b>						<b>900</b>

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**III YEAR – I SEMESTER (2020-21)**

**THEORY**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (30 Marks)					External (70 Marks)				
				Assignment	Test			External (70 Marks)					
					Max. Marks	Duration		Max. Marks	Duration	Max. Marks			
L	T	P											
1	HUM	20BST09	Industrial Management	3	0	0	3	5	2	25	3	70	100
2	PC	20ECT09	Microprocessors & Microcontrollers	2	1	0	3	5	2	25	3	70	100
3	PC	20EET07	Electrical Machines-II	2	1	0	3	5	2	25	3	70	100
4	PC	20EET08	Power Systems-II	2	1	0	3	5	2	25	3	70	100
5	PC	20EET09	Control Systems	3	0	0	3	5	2	25	3	70	100
6	PE		Elective-I	2	1	0	3	5	2	25	3	70	100

**PRACTICALS**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (40 Marks)					External (60 Marks)				
				Continuous	Test			External (60 Marks)					
					Max. Marks	Duration		Max.	Duration	Max.			
L	T	P											
7	PC	20ECP05	Microprocessors & Microcontrollers Lab	0	0	2	1	20	2	20	3	60	100
8	PC	20EEP05	Electrical Machines-II Lab	0	0	2	1	20	2	20	3	60	100
9	PC	20EEP06	Control Systems Lab	0	0	2	1	20	2	20	3	60	100
10	Intern	20EEI01	Internship-1	0	0	0	1	100	0	0	0	0	100
11	SC	20EES02	Skill Oriented Course 3	0	1	2	2	20	2	20	3	60	100
<b>Total</b>				<b>14</b>	<b>5</b>	<b>8</b>	<b>24</b>						<b>1100</b>

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**III YEAR – II SEMESTER (2020-21)**

**THEORY**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (30 Marks)					External (70 Marks)				
				Assignment	Test			External (70 Marks)					
					Max. Marks	Duration		Max. Marks	Duration	Max. Marks			
L	T	P											
1	PC	20EET10	Switch Gear & Protection	3	0	0	3	5	2	25	3	70	100
2	PC	20EET11	Power Electronics	3	0	0	3	5	2	25	3	70	100
3	PC	20EET12	Electrical & Electronics Measurements	2	1	0	3	5	2	25	3	70	100
4	PE		Elective-II	2	1	0	3	5	2	25	3	70	100
5	OE		Open Elective-I	3	0	0	3	5	2	25	3	70	100
6	OE		Open Elective-II	3	0	0	3	5	2	25	3	70	100
7	MAN	20BST11	Constitution Of India	3	0	0	0	Satisfactory/Not Satisfactory					
<b>PRACTICALS</b>													
S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (40 Marks)					External (60 Marks)				
				Continuous	Test			External (60 Marks)					
					Max. Marks	Duration		Max.	Duration	Max.			
L	T	P											
8	PC	20EEP07	Power Electronics Lab	0	0	2	1	20	2	20	3	60	100
9	PC	20EEP08	Electrical & Electronics Measurements Lab	0	0	2	1	20	2	20	3	60	100
10	SC		Skill Oriented Course 4		1	2	2	20	2	20	3	60	100
<b>Total</b>				<b>18</b>	<b>4</b>	<b>6</b>	<b>22</b>						<b>900</b>

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**IV YEAR – I SEMESTER (2020-21)**

**THEORY**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (30 Marks)					External (70 Marks)				
				Assignment	Test			External (70 Marks)					
					Max. Marks	Duration		Max. Marks	Duration	Max. Marks			
L	T	P	Max. Marks	Duration	Max. Marks	Duration	Max. Marks						
1	PC	20EET13	Power Systems-III	3	0	0	3	5	2	25	3	70	100
2	PE		Elective-III	2	1	0	3	5	2	25	3	70	100
3	PE	20EEM01	Elective-IV(MOOCs)	0	0	0	3	0	0	0	0	0	100
4	PE		Elective-V	2	1	0	3	5	2	25	3	70	100
5	OE		Open Elective-III	3	0	0	3	5	2	25	3	70	100

**PRACTICALS**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
				Internal (40 Marks)				External (60 Marks)					
				Continuous	Test			External (60 Marks)					
					Max. Marks	Duration		Max.	Duration	Max.			
L	T	P	Max. Marks	Duration	Max.	Duration	Max.						
6	PC	20EEP09	Power systems simulation lab	0	0	2	1	20	2	20	3	60	100
7	INTERN	20EEI02	Internship-2	0	0	0	1	100	0	0	0	0	100
8	SC		Skill Oriented Course 5	0	1	2	2	20	2	20	3	60	100
<b>Total</b>				<b>11</b>	<b>2</b>	<b>4</b>	<b>19</b>						<b>800</b>

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**IV YEAR – II SEMESTER (2020-21)**

**PRACTICALS**

S.No	Course Type	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks	
								Internal (40 Marks)		External (60 Marks)				
								Continuous	Test					
				L	T	P		Max. Marks	Duration	Max.	Duration	Max.		
1	PW	20EEJ01	Internship-3 cum Project Work	0	0	26	13							
			<b>Total</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>13</b>	40	0	0	0	60	100	

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**LIST OF ELECTIVES**

**ELECTIVE - I**

S. No	Course Code	Course Title
1	20ECT36	ElectroMagnetic Waves
2	20ECT37	Analog & Digital IC Applications
3	20EET14	Electrical Machine Design
4	20EET15	Electromagnetic Fields

**ELECTIVE - IV**

S. No	Course Code	Course Title
1	20EEM01	Mandatory MOOCs

**ELECTIVE - II**

S. No	Course Code	Course Title
1	20ECT13	Digital Signal Processing
2	20EET16	Renewable Energy Sources
3	20EET17	Modern Control Theory
4	20EET18	Special Machines

**ELECTIVE - V**

S. No	Course Code	Course Title
1	20EET23	Electrical Distribution Systems
2	20EET24	Electrical Drives
3	20EET25	Utilization Of Electrical Energy
4	20EET26	PLCs & applications
5	20EET27	HVDC Transmission systems

**ELECTIVE - III**

S. No	Course Code	Course Title
1	20EET19	Power Quality & FACTS
2	20EET20	High Voltage Engineering
3	20EET21	Neural Network & Fuzzy Logic
4	20EET22	Industrial Electrical Systems

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**LIST OF OPEN ELECTIVES OFFERED BY EEE TO OTHER DEPARTMENTS (2020-21)**

**OPEN ELECTIVE - I**

S. No	Course Code	Course Title
1	20EET28	Electrical Engineering Materials
2	20EET29	Energy Auditing & Demand Side Management

**OPEN ELECTIVE - III**

S. No	Course Code	Course Title
1	20EET32	Conventional & Non Conventional Energy Sources
2	20EET33	Design Estimation & Costing of Electrical System

**OPEN ELECTIVE - II**

S. No	Course Code	Course Title
1	20EET30	Artificial Neural Networks
2	20EET31	Energy Storage Systems

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**LIST OF OPEN ELECTIVES OFFERED BY OTHER DEPARTMENTS TO EEE (2020-21)**

**OPEN ELECTIVE - I**

S.No	Course Code	Course Title	Offering Department
1	20ECT27	Pulse and Digital Circuits	ECE
2	20ECT28	Electronic Measurements	
3	20CST31	Introduction to C++ Programming	CSE
4	20CSP13	Advanced Programming Lab	
5	20CST32	Fundamentals of Computer Organization	
6	20MET33	Power Plant Engineering	ME
7	20MET34	Plant Layout and Design	
8	20MET35	Energy Conservation and Management	
9	20MUP01	Music- Vocal	BS&H
10	20MUP02	Dance -Bharatanatyam	
11	20MUP03	Dance –Kuchipudi	

**OPEN ELECTIVE - II**

S.No	Course Code	Course Title	Offering Department
1	20ECT29	Communication Systems	ECE
2	20ECT30	Microprocessors & Interfacing	
3	20ECT31	Digital Design using VHDL	
4	20CST33	Basics of Computer Networks	CSE
5	20CST34	Introduction to Cyber Security	
6	20CST35	Introduction to Cloud Computing	MECH
7	20MEP13	Engineering Projects in Community Services	
8	20MET36	Time and Motion Study	
9	20MET37	Nano Technology	BS&H
10	20BST14	LSRW Skills	

**OPEN ELECTIVE - III**

S.No	Course Code	Course Title	Offering Department
1	20ECT32	Microcontrollers & Interfacing	ECE
2	20ECT33	Basics of Embedded Systems	
3	20ECT34	Digital Image Processing	
4	20CST36	Introduction to Artificial Intelligence	CSE
5	20CST37	Introduction to Java Programming	
6	20CST38	Fundamentals of Internet of Things	
7	20MET38	Total Quality Management	ME
8	20MET39	Production Planning & Control	
9	20MET40	Supply Chain Management	
10	20BST15	Data Analytics For Decision Making	BS&H

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**SKILL ORIENTED COURSES**

**PRACTICALS**

S.No	Year / Semester	Skill Development Course No.	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
									Internal (40 Marks)			External (60 Marks)		
					Continous	Test			Duration	Max. Marks				
					Max. Marks	Duration	Max. Marks				Duration	Max. Marks		
1	II - I	SC1	20EES01	Basics of MATLAB	0	1	2	2	20	2	20	3	60	100
2	II-II	SC2	20BSS01	Effective Cummmunication Skills	0	1	2	2	20	2	20	3	60	100
3	III-I	SC3	20EES02	Electrical Safety	0	1	2	2	20	2	20	3	60	100
TRACK 1: systems Design														
4	III - II	SC4	20ECS03	Fundamentals of PCB Design	0	1	2	2	20	2	20	3	60	100
5	IV-I	SC5	20ECS04	Advanced PCB Design	0	1	2	2	20	2	20	3	60	100
TRACK 2: Integrated development environment														
6	III - II	SC6	20EES03	Electrical CAD	0	1	2	2	20	2	20	3	60	100
7	IV-I	SC7	20EES04	PLC & SCADA	0	1	2	2	20	2	20	3	60	100
TRACK 3:Animation														
8	III - II	SC8	20CSS11	Animation for Beginners	0	1	2	2	20	2	20	3	60	100
9	IV-I	SC9	20CSS12	VFX:Visual Effects	0	1	2	2	20	2	20	3	60	100
<b>Total</b>					<b>0</b>	<b>5</b>	<b>10</b>	<b>10</b>						<b>500</b>

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**COURSES IN MINOR PROGRAMME**

<b>THEORY</b>													
<b>S.No</b>	<b>Year / Semester</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Hours per Week</b>			<b>Credits</b>	<b>Evaluation</b>					<b>Total Marks</b>
								<b>Internal (30 Marks)</b>			<b>External (70 Marks)</b>		
				<b>Assignment</b>	<b>Test</b>			<b>External (70 Marks)</b>					
				<b>Max. Marks</b>	<b>Duration</b>	<b>Max. Marks</b>		<b>Duration</b>	<b>Max. Marks</b>				
1	II - II	20EETM01	Dc Machines & Transformers	3	1	0	4	5	2	25	3	70	100
2	III - I	20EETM02	Ac Rotating Machines	3	1	0	4	5	2	25	3	70	100
3	III - II	20EETM03	Electrical Power Generation & Transmission	3	1	0	4	5	2	25	3	70	100
4		20EETM04	Control Systems	3	1	0	4	5	2	25	3	70	100
5	IV - I	20EETM05	Power Electronics	3	1	0	4	5	2	25	3	70	100
<b>Total</b>				<b>15</b>	<b>5</b>	<b>0</b>	<b>20</b>						<b>500</b>

**Coordinator**

**Chairman(BOS)**

**Director(SOET)**

**SCHOOL OF ENGINEERING AND TECHNOLOGY  
SRI PADMAVATI MAHILA VISVAVIDYALAYAM  
SCHEME OF INSTRUCTION AND EVALUATION OF B.TECH (EEE)  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
COURSES IN HONORS PROGRAMME**

<b>THEORY</b>													
S.No	Year / Semester	Course Code	Course Title	Hours per Week			Credits	Evaluation					Total Marks
								Internal (30 Marks)			External (70 Marks)		
								Assignment	Test				
				L	T	P		Max. Marks	Duration	Max. Marks	Duration	Max. Marks	
1	II - II	20EETH01	Introduction to Smart Grid	3	1	0	4	5	2	25	3	70	100
2	III - I	20BSTH01	Advanced Engineering Mathematics	3	1	0	4	5	2	25	3	70	100
3	III - I	20EEMH01	MOOCS	0	0	0	2	0	0	0	0	0	100
4	III - II	20EETH02	Introduction to Electric Vehicle	3	1	0	4	5	2	25	3	70	100
<b>TRACK 1: Advanced Power systems</b>													
5	III - II	20EETH03	Power System Dynamics & control	2	1	0	3	5	2	25	3	70	100
6	IV-I	20EETH04	SCADA System and Applications	2	1	0	3	5	2	25	3	70	100
<b>TRACK 2: Power Electronics</b>													
7	III - II	20EETH05	Modern Power Semiconductor Devices	2	1	0	3	5	2	25	3	70	100
8	IV - I	20EETH06	Analysis of Power Converters	2	1	0	3	5	2	25	3	70	100
<b>TRACK 3:Energy Management</b>													
9	III - II	20EETH07	Solar & Energy Storage System	2	1	0	3	5	2	25	3	70	100
10	IV - I	20EETH08	Energy Conservation & Audit	2	1	0	3	5	2	25	3	70	100
<b>Total</b>				<b>13</b>	<b>5</b>	<b>0</b>	<b>20</b>						<b>500</b>

**Coordinator**

**Chairman(BOS)**

**Director(SOET)**

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**SRI PADMAVATI MAHILA VISVAVIDYALAYAM**  
**SCHEME OF INSTRUCTION AND EVALUATION OF B.TECH (EEE)**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**Credit Breakup**

Semester	No. of Credits	Theory Credits	Lab Credits	Skill Oriented Courses	Internship	Project
Semester 1	21	14	7			
Semester 2	19	15	4			
Semester 3	21	17	2	2		
Semester 4	24	19	3	2		
Semester 5	24	18	3	2	1	
Semester 6	22	18	2	2		
Semester 7	19	15	1	2	1	
Semester 8	13					13

Total	163	116	22	10	2	13
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Percentage	71.17	13.50	6.13	1.23	7.98
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28.83
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S.No	Category	No of Credits(R20)
1	Humanities and Social Sciences including Management courses	17
2	Basic Science courses	21
3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc	23
4	Professional core courses	54
5	Professional Elective courses relevant to chosen specialization/branch	15
6	Open subjects – Electives from other technical and /or emerging subjects	9
7	Project work, seminar and internship in industry or elsewhere	15
8	Mandatory Courses [Environmental Sciences, Induction Program, Indian Constitution, Essence of Indian Traditional Knowledge]	(Non –Credit)
9	Skill Oriented Courses	10
	Total	163

D.Himabindu  
Coordinator

Pof.V.C.Veera Reddy  
BOS Chairman

Prof.A.Ramakrishna Rao  
Director, SOET





**SCHOOL OF ENGINEERING A  
SRI PADMAVATI MAHILA VI  
SCHEME OF INSTRUCTION AND EVALUATION  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

<b>S.No.</b>	<b>Course Number</b>	<b>Name of the Course</b>	<b>No of Credits</b>
1	20EET 01	Basic Electrical & Engineering	3
2	20EET 02	Circuits & Networks-I	3
3	20EET 03	Generation Of Electric Power	3
4	20EET 04	Circuits & Networks-II	3
5	20EET 05	Power Systems-I	3
6	20EET 06	Electrical Machines-I	3
7	20EET 07	Electrical Machines-II	3
8	20EET 08	Power Systems-II	3
9	20EET 09	Control Systems	3
10	20EET10	Power Electronics	3
11	20EET11	Electrical & Electronics Measurements	3
12	20EET12	Power System Analysis	3
13	20EET13	Electromagnetic Fields	3
14	20EET14	Renewable Energy Sources	3
15	20EET15	Electrical Machine Design	3
16	20EET16	Switch gear & protection	3
17	20EET17	Modern Control Theory	3

18	20EET18	Special Machines	3
19	20EET19	Power Quality & FACTS	3
20	20EET20	High Voltage Engineering	3
21	20EET21	Neural Network & Fuzzy Logic	3
22	20EET22	Industrial Electrical Systems	3
23	20EET23	Electrical Distribution Systems	3
24	20EET24	Electrical Drives	3
25	20EET25	Control System Design	3
26	20EET26	PLCs & applications	3
27	20EET27	HVDC Transmission systems	3
28	20EET28	Electrical Engineering Materials	3
29	20EET29	Energy Auditing & Demand Side Management	3
30	20EET30	Artificial Neural Networks	3
31	20EET31	Energy Storage Systems	3
32	20EET32	Conventional & Non Conventional Energy Sources	3
33	20EET33	Design Costing of Electrical System	3
34	20EET034	Network Theory	3

S.No.	Course Number	Name of the Course	No of Credits
1	20EEP01	Basic Electrical & Engineering Lab	1
2	20EEP02	Circuits & Networks-I Lab	1
3	20EEP03	Electrical Machines-I Lab	1

4	20EEP04	Circuits & Networks-II Lab	1
5	20EEP05	Electrical Machines-II Lab	1
6	20EEP06	Control Systems Lab	1
7	20EEP07	Electrical & Electronics Measurements Lab	1
8	20EEP08	Power Electronics Lab	1
9	20EEP09	Power System Lab	1
10	20EEP10	Networks & Simulation Lab	1

**AND TECHNOLOGY**  
**SVAVIDYALAYAM**  
**EVALUATION OF B.TECH (EEE)**  
**ELECTRONICS ENGINEERING**

<b>Prerequisites</b>
20BST04-Engineering Mathematics-I 20BST03-Engineering Physics
20BST04-Engineering Mathematics-I 20BST03-Engineering Physics
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20EET02-Circuits & Networks-I
20EET 03-Generation Of Electric Power
20EET02-Circuits & Networks-I
20EET 06-Electrical Machines-I
20EET 05-Power Systems-I
20BST04-Engineering Mathematics-I 20EET 05-Circuits & Networks-I
20EET02-Circuits & Networks-I
20EET02-Circuits & Networks-I
20EET 05-Power Systems-I 20EET02-Circuits & Networks-I
20EET02-Circuits & Networks-I
<del>20EET 05-Power Systems-I</del> 20EET 03-Generation Of Electric POWER
<del>20EET 06-Electrical Machines-I</del> 07-Electrical Machines-II
20EET 05-Power Systems-I 20EET 08-Power Systems-II
20EET 09-Control Systems

20EET 06-Electrical Machines-I
20EET 07-Electrical Machines-II
<del>20EET 08-Power Systems-II</del> 20EET10-Power Electronics
20EET 05-Power Systems-I
20EET 05-Power Systems-I 20EET 06-Electrical Machines-I
20EET02-Circuits& Networks 20EET 05-Power Systems-I
20EET10-Power Electronics
<del>20EET02-Circuits&amp; Networks</del> 20EET 09-Control Systems
19ECT37-Digital Electronics
<del>07-Power Systems-II</del> 11-Power System Analysis
20BST03-Engineering Physics 20EET 05-Power Systems-I
19ECT37-Digital Electronics
20EET 03-Generation Of Electric POWER
20EET 03-Generation Of Electric POWER
20BST03-Engineering Physics 20EET 05-Power Systems-I
20EET 01-Basic Electrical & Engineering

<b>Prerequisites</b>
01-Basic Electrical Engineering
02-Circuits& Networks-
04-Electrical Machines-I

02-Circuits& Networks
07-Electrical Machines-II
10-Control Systems
12-Electrical &Electronics Measurements
13-Power Electronics
09-Power Systems-II
11-Power System Analysis
01-Basic Electrical & Electronics Engineering

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**LIST OF COURSES IN MINOR DEGREE PROGRAMME**

<b>THEORY</b>						
<b>S.No</b>	<b>Year / Semester</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Prerequisites</b>	<b>Year / Semester</b>
1	II - II	20EETM01	Dc Machines & Transformers	4	20EET01:Basic Electrical Engineering	I-I/I-II
2	III - I	20EETM02	Ac Rotating Machines	4	20EET01:Basic Electrical Engineering	I-I/I-II
3	III - II	20EETM03	Electrical Power Generation & Transmission	4	20EET01:Basic Electrical Engineering	I-I/I-II
4		20EETM04	Control Systems	4	20EET01:Basic Electrical Engineering	I-I/I-II
5	IV - I	20EETM05	Power Electronics	4	20EET01:Basic Electrical Engineering	I-I/I-II

**Cordinator**

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LIST OF COURSES IN HONORS PROGRAMME**

S.No	Year / Semester	Course Code	Course Title	Credits	Prerequisites	Year / Semester
1	II - II	20EETH01	Introduction to Smart Grid	4	20EET05:Power Systems-I	II/II
2	III - I	20BSTH01	Advanced Engineering Mathematics	4	20BST06:Mathematics-III	II/I
3	III - II	20EETH02	Introduction to Electric Vehicle	4	20EET07:Electrical Machines-II	III/I
4	III - II	20EETH03	Power System Dynamics & control	3	20EET08:Power Systems-II	III/I
5	IV-I	20EETH04	SCADA System and Applications	3	20EET11:Power Electronics	III/II
6	III - II	20EETH05	Modern Power Semiconductor Devices	3	20EET11:Power Electronics	III/II
7	IV - I	20EETH06	Analysis of Power Converters	3	20EET11:Power Electronics	III/II
8	III - II	20EETH07	Solar & Energy Storage System	3	20EET03:Generation Of Electric Power	II/I
9	IV - I	20EETH08	Energy Conservation & Audit	3	20EET16:Renewable Energy Sources	III/II

**Coordinator**

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