

**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**SRI PADMAVATHI MAHILA VISVAVISYALAYAM**  
**(SCHEME OF INSTRUCTION AND EVALUATION OF B.TECH (EEE))**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**I YEAR – I SEMESTER (2016-17)**

<b>THEORY</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal Test (30Marks)		External (70 Marks)			
							Duration (Hrs)	Max. Marks	Duration	Max.		
1	BST01	English	4	-	-	4	2	30	3	70	100	
2	BST03	Engineering Mathematics – I	4	-	-	4	2	30	3	70	100	
3	BST05	Engineering Physics	4	-	-	4	2	30	3	70	100	
4	CST01	Problem Solving and Computer Programming	4	-	-	4	2	30	3	70	100	
5	ECT01	Electronic Materials and Devices	4	-	-	4	2	30	3	70	100	
<b>PRACTICALS</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal (40 Marks)		External (60 Marks)			
							Continuous	Test	Duration	Max.		
			Max. Marks	Duration	Max.	Duration	Max.					
6	MEP01	Engineering Graphics	-	-	4	2	20	2	20	3	60	100
7	BSP01	English Language Lab	-	-	2	1	20	2	20	3	60	100
8	BSP03	Engineering Physics Lab	-	-	2	1	20	2	20	3	60	100
9	CSP01	Computer Programming Lab	-	-	2	1	20	2	20	3	60	100
<b>Total</b>				<b>20</b>	<b>10</b>	<b>25</b>						<b>900</b>

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**I YEAR – II SEMESTER (2016-17)**

<b>THEORY</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal Test(30Marks)		External (70 Marks)			
							Duration (Hrs)	Max.	Duration	Max.		
1	BST02	Environmental Studies	4	-	-	4	2	30	3	70	100	
2	BST06	Engineering Mathematics – II	4	-	-	4	2	30	3	70	100	
3	BST04	Engineering Chemistry	4	-	-	4	2	30	3	70	100	
4	CST02	Data Structures	4	-	-	4	2	30	3	70	100	
5	MET19	Elements of Mechanical Engineering	4	-	-	4	2	30	3	70	100	
6	EET01	Circuits and Networks-I	4	-	-	4	2	30	3	70	100	
<b>PRACTICALS</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal (40 Marks)		External (60 Marks)			
							Continuous	Test	Max. Marks	Duration		Max.
7	MEP02	Workshop	-	-	2	1	20	2	20	3	60	100
8	BSP02	Engineering Chemistry Lab	-	-	2	1	20	2	20	3	60	100
9	CSP02	Data Structures Lab	-	-	2	1	20	2	20	3	60	100
<b>Total</b>				<b>24</b>	<b>6</b>	<b>27</b>					<b>900</b>	

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**II YEAR – I SEMESTER (2016-17)**

<b>THEORY</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal Test (30Marks)		External (70 Marks)			
							Duration	Max. Marks	Duration	Max.		
1	BST07	Engineering Mathematics-III	4	-	-	4	2	30	3	70	100	
2	BST09	Managerial Economics& Financial Analysis	4	-	-	4	2	30	3	70	100	
3	EET02	Circuits & Networks-II	4	-	-	4	2	30	3	70	100	
4	ECT03	Digital Electronics	4	-	-	4	2	30	3	70	100	
5	EET03	Electrical Machines-I	4	-	-	4	2	30	3	70	100	
6	ECT04	Electronic Circuits	4	-	-	4	2	30	3	70	100	
<b>PRACTICALS</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal (40 Marks)		External (60 Marks)			
							Continuous	Test	Duration	Max.		
			Max. Marks	Duration	Max.	Duration	Max.					
7	ECP14	Electronic Devices & Circuits Lab	-	-	2	1	20	2	20	3	60	100
8	ECP01	Circuits & Networks Lab	-	-	2	1	20	2	20	3	60	100
<b>Total</b>			<b>24</b>		<b>4</b>	<b>26</b>					<b>800</b>	

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**II YEAR – II SEMESTER (2016-2017)**

<b>THEORY</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal Test (30Marks)		External (70 Marks)			
							Duration (Hrs)	Max. Marks	Duration (Hrs)	Max. Marks		
1	ECT22	Signals & Systems with Random Process	4	-	-	4	2	30	3	70	100	
2	ECT23	Pulse& Digital Circuits	4	-	-	4	2	30	3	70	100	
3	EET04	Electro Magnetic Theory	4	-	-	4	2	30	3	70	100	
4	EET05	Electrical Machines-II	4	-	-	4	2	30	3	70	100	
5	MET10	Fluid Mechanics and Hydraulic Machinery	4	-	-	4	2	30	3	70	100	
6	EET06	Power Systems-I	4	-	-	4	2	30	3	70	100	
<b>PRACTICALS</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal (40 Marks)		External (60 Marks)			
							Continuous	Test	Duration	Max.		Duration
			L	T	P		Max. Marks	Duration	Max.	Duration	Max.	
7	ECP15	Pulse& Digital Circuits Lab	-	-	2	1	20	2	20	3	60	100
8	MEP05	Fluid Mechanics and Hydraulic Machinery Lab	-	-	2	1	20	2	20	3	60	100
<b>Total</b>			<b>24</b>		<b>4</b>	<b>26</b>						<b>800</b>

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**III YEAR – ISEMESTER (2016-2017)**

<b>THEORY</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal Test (30Marks)		External (70 Marks)			
							Duration (Hrs)	Max.	Duration	Max.		
1	MET32	Power Plant Engineering	4	-	-	4	2	30	3	70	100	
2	EET07	Control Systems	4	-	-	4	2	30	3	70	100	
3	EET08	Electrical Measurements	4	-	-	4	2	30	3	70	100	
4	ECT25	Analog& Digital IC Applications	4	-	-	4	2	30	3	70	100	
5	EET09	Electrical Machines-III	4	-	-	4	2	30	3	70	100	
6	EET10	Power Systems-II	4	-	-	4	2	30	3	70	100	
<b>PRACTICALS</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal (40 Marks)		External (60 Marks)			
							Continuous Evaluation	Test	Duration	Max.		
							Max. Marks	Duration	Max.	Duration	Max.	
7	EEP02	Electrical Machines-I Lab	-	-	2	1	20	2	20	3	60	100
8	ECP16	Analog& Digital IC Applications Lab	-	-	2	1	20	2	20	3	60	100
<b>Total</b>			<b>24</b>		<b>4</b>	<b>26</b>						<b>800</b>

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**III YEAR – II SEMESTER (2016-17)**

<b>THEORY</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal Test (30Marks)		External (70 Marks)			
							Duration (Hrs)	Max. Marks	Duration	Max.		
1	BST10	Management Science	4	-	-	4	2	30	3	70	100	
2	EET11	Switchgear& Protection	4	-	-	4	2	30	3	70	100	
3	ECT09	Microprocessor &Interfacing	4	-	-	4	2	30	3	70	100	
4	EET12	Power Electronics	4	-	-	4	2	30	3	70	100	
5		ELECTIVE-I	4	-	-	3	2	30	3	70	100	
6		ELECTIVE-II	4	-	-	3	2	30	3	70	100	
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal (40 Marks)		External (60 Marks)			
							Continuous	Test	Duration	Max.		
												Max. Marks
8	EEP03	Electrical Measurements Lab	-	-	2	1	20	2	20	3	60	100
9	EEP04	Electrical Machines-II Lab	-	-	2	1	20	2	20	3	60	100
<b>Total</b>			<b>24</b>		<b>4</b>	<b>24</b>						<b>800</b>

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**IV YEAR – I SEMESTER (2016-17)**

<b>THEORY</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal Test (30Marks)		External (70 Marks)			
							Duration (Hrs)	Max. Marks	Duration	Max.		
1	ECT27	Analog& Digital Communications	4	-	-	4	2	30	3	70	100	
2	EET13	Power System Analysis	4	-	-	4	2	30	3	70	100	
3	EET14	Power System Operation& Control	4	-	-	4	2	30	3	70	100	
4	EET15	Power Semiconductor Drives	4	-	-	4	2	30	3	70	100	
5		Elective-III	4	-	-	3	2	30	3	70	100	
6		Elective-IV	4	-	-	3	2	30	3	70	100	
<b>PRACTICALS</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal (40 Marks)		External (60 Marks)			
							Continuous	Test	Duration	Max.		
			Max. Marks	Duration	Max.	Duration	Max.					
7	EEP05	Power Electronics Lab	-	-	2	1	20	2	20	3	60	100
8	EEP06	Power System Simulation Lab	-	-	2	1	20	2	20	3	60	100
<b>Total</b>			<b>24</b>		<b>4</b>	<b>24</b>					<b>800</b>	

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**IV YEAR – II SEMESTER (2016-17)**

<b>THEORY</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal Test (30Marks)		External (70 Marks)			
							Duration (Hrs)	Max. Marks	Duration (Hrs)	Max. Marks		
1	EET16	Utilization of Electrical Energy	4	-	-	4	2	30	3	70	100	
2		Elective-V	4	-	-	3	2	30	3	70	100	
3		Elective-VI	4	-	-	3	2	30	3	70	100	
<b>PRACTICALS</b>												
S.No	Course Code	Course Title	Hours per Week			Credits	Evaluation				Total Marks	
			L	T	P		Internal (40 Marks)		External (60 Marks)			
							Continuous Evaluation	Test	Duration (Hrs)	Max. Marks		
			Max. Marks	Duration (Hrs)	Max. Marks	Duration (Hrs)	Max. Marks					
4	EET13	Project Work	-	-	3	6	20	2	20	3	60	100
<b>Total</b>			<b>12</b>		<b>3</b>	<b>16</b>					<b>400</b>	



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**LIST OF ELECTIVES (2016-2017)**

**ELECTIVE – I**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>
1	EET19	Renewable Energy Sources
2	ECT44	Electronic Instrumentation
3	EET20	Modern Control Theory
4	EET21	Energy Audit and Demand Side Management
5	CSP13	Advanced Programming Lab

**ELECTIVE - III**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>
1	EET23	Neural Network & Fuzzy Logic
2	EET24	Switch Mode Power Converters
3	ECT34	Satellite Communication
4	EET25	Smart Electrical Grids

**ELECTIVE – II**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>
1	ECT15	VLSI Design
2	ECT10	Digital Signal Processing
3	CST48	Fundamentals of Database Management Systems
4	EET22	Power Quality
5	MUP01	Music(OPEN ELECTIVE)
6	MUP02	Dance-Bharatanatyam(OPEN ELECTIVE)
7	MUP03	Dance-Kuchipudi(OPEN ELECTIVE)

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**LIST OF ELECTIVES (2019-20)**

**ELECTIVE – IV**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>
1	EET26	High Voltage Engineering
2	CST47	Computer Networking
3	ECT36	Digital Image Processing
4	EET27	Electrical Machine Design
	MOOCS	

**ELECTIVE – V**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>
1	EET28	High Voltage Direct Current Transmission
2	EET29	Digital Control Systems
3	ECT45	Microcontrollers & Its Applications
4	EET30	Special Machines

**ELECTIVE – VI**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>
1	EET31	Electrical Distribution Systems
2	ECT19	Embedded Systems
3	EET32	Flexible AC Transmission Systems
4	CST44	Computer Organization & Architecture

