

**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**(SCHEME OF INSTRUCTION AND EVALUATION OF M.TECH (PEDR))**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**I YEAR – I SEMESTER (2019-20)**

<b>THEORY</b>												
<b>S.No</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 (30Marks)</b>			<b>External (70 Marks)</b>		
							<b>Assignment</b>	<b>Test</b>				
			<b>L</b>	<b>T</b>	<b>P</b>		<b>Max. Marks</b>	<b>Duration</b>	<b>Max.</b>	<b>Duration</b>	<b>Max.</b>	
1	19MEET01	Power Electronic Control of DC Drives	3	0	0	3	5	2	25	3	70	100
2	19MEET02	Modern Power Semiconductor Devices	3	0	0	3	5	2	25	3	70	100
3		Elective-I	3	0	0	3	5	2	25	3	70	100
4		Elective-II	3	0	0	3	5	2	25	3	70	100
5	19MBST01	Research Methodology and IPR	2	0	0	2	5	2	25	3	70	100
<b>PRACTICALS</b>												
<b>S.No</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 (40 Marks)</b>			<b>External (60 Marks)</b>		
							<b>Continuous</b>	<b>Test</b>				
			<b>L</b>	<b>T</b>	<b>P</b>		<b>Max. Marks</b>	<b>Duration</b>	<b>Max.</b>	<b>Duration</b>	<b>Max.</b>	
6	19MEEP01	Digital Control Systems Lab	0	0	4	2	20	2	20	3	60	100
7	19MECP02	Signal Processing Lab	0	0	4	2	20	2	20	3	60	100
<b>Total</b>			<b>14</b>	<b>0</b>	<b>8</b>	<b>18</b>						<b>700</b>

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**I YEAR – II SEMESTER (2019-20)**

<b>THEORY</b>												
<b>S.No</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 (30Marks)</b>		<b>External (70 Marks)</b>			
			<b>L</b>	<b>T</b>	<b>P</b>		<b>Assignment</b>	<b>Test</b>	<b>Max. Marks</b>	<b>Duration</b>	<b>Max.</b>	
1	19MEET08	Power Converters	3	0	0	3	5	2	25	3	70	100
2	19MEET09	Power Electronic Control of AC Drives	3	0	0	3	5	2	25	3	70	100
3		Elective-III/MOOCs	3	0	0	3	5	2	25	3	70	100
4		Elective-IV	3	0	0	3	5	2	25	3	70	100
<b>PRACTICALS</b>												
<b>S.No</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 (40 Marks)</b>		<b>External (60 Marks)</b>			
			<b>L</b>	<b>T</b>	<b>P</b>		<b>Continuous</b>	<b>Test</b>	<b>Max. Marks</b>	<b>Duration</b>	<b>Max.</b>	
5	19MEEP02	Power Converters Lab	0	0	4	2	20	2	20	3	60	100
6	19MEEP03	Electrical Systems Simulation Lab	0	0	4	2	20	2	20	3	60	100
7	19MEES01	Term Paper Cum Seminar	0	0	4	2	40				60	100
<b>Total</b>			<b>12</b>	<b>0</b>	<b>12</b>	<b>18</b>						<b>700</b>

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<b>THEORY</b>														
<b>S.No</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 (30Marks)</b>		<b>External (70 Marks)</b>					
							<b>Assignment</b>	<b>Test</b>						
			<b>L</b>	<b>T</b>	<b>P</b>		<b>Max. Marks</b>	<b>Duration</b>	<b>Max.</b>	<b>Duration</b>	<b>Max.</b>			
1		Elective-IV	3	0	0	3	5	2	25	3	70	100		
2		Open Elective	3	0	0	3	5	2	25	3	70	100		
<b>PRACTICALS</b>														
<b>S.No</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 (40 Marks)</b>		<b>External (60 Marks)</b>					
							<b>Continuous</b>	<b>Test</b>						
			<b>L</b>	<b>T</b>	<b>P</b>		<b>Max. Marks</b>	<b>Duration</b>	<b>Max.</b>	<b>Duration</b>	<b>Max.</b>			
7	19MEEV01	Comprehensive Viva	0	0	0	2	40	0	0	0	60	100		
8	19MEEJ01	Project Work Phase-I	0	0	20	10	*100	0	0	0	0	100		
<b>Total</b>			<b>6</b>	<b>0</b>	<b>24</b>	<b>18</b>						<b>400</b>		

\*As per Regulation-R19, 14.4, Table2

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 II YEAR – II SEMESTER (2019-20)**

S.No	Course Code	Course Title	Credits	Internal Evaluation		External Evaluation		Total Marks
				Guide	Internal Committee	External Dissertation	Viva	
	19MEEJ02	Project Work Phase-II	16	20	20	30	30	100

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

**ELECTIVE - I**

S.No	Course	Course Title
1	19MEET03	Digital Control Systems
2	19MEET04	Electrical Traction & Control
3	19MEET05	Mathematics for Electrical Engineering
4	19MCST07	Wireless Sensor Networks

**ELECTIVE - II**

S.No	Course	Course Title
1	19MECT02	Advanced Digital Signal Processing & Algorithms
2	19MECT24	RFID Systems
3	19MEET06	Renewable Energy Systems
4	19MEET07	Special Machines

**ELECTIVE - III**

S.No	Course	Course Title
1		MOOCS

**ELECTIVE - IV**

S.No	Course	Course Title
1	19MMET13	Robotics
2	19MEET12	FACTS and HVDC
3	19MEET13	Solar & Energy Storage Systems
4	19MEET14	Power Quality

**ELECTIVE - V**

S.No	Course Code	Course Title
1	19MEET15	SCADA Systems and Applications
2	19MEET16	FACTS and Custom Power Devices
3	19MEET17	Neural Network & Fuzzy Logic
4	19MEET18	Smart Grid

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

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>
1	19MBST02	English For research Paper Writing
2	19MBST02	Business Analytics
3	19MMET22	Advanced Operations Research
4	19MECT22	Advanced Embedded Systems
5	19MCST18	Information retrieval systems
6	19MEET19	Solar Energy Utilization

