

**School Name: School of Engineering**

**Department Name: Department of Electrical, Electronics & Communication  
Engineering Program Name: M.Tech. (M. Tech - Power System Engineering)**

**Scheme: 2018-2020**

<b>SEMESTER I</b>						
<b>S.No</b>	<b>Course code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MATH5001	Advanced Numerical & Statistical Methods	3	1	0	4
2	MPED1501	Analysis of Power Electronics Circuits	3	0	0	3
3	MPSE1501	Power System Operation and Control	3	0	0	3
4	MPSE1502	Advanced Power System Analysis	3	0	0	3
5	MPED1505	FACTS and HVDC	3	0	0	3
6	MPED1503	Digital Control	3	0	0	3
7	MPSE1511	Power System lab-I	0	0	2	1
<b>SEMESTER II</b>						
<b>S.No</b>	<b>Course code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MPSE1601	Advanced Power System Protection	3	0	0	3
2	MPSE1606	Power Quality	3	0	0	3
3	MPSE1611	Power System Lab-Ii	0	0	2	1
4	MPSE1607	Power System Planning And Reliability	3	0	0	3
5	MPSE1608	Power System Planning In Deregulated Environment	3	0	0	3
6	MPSE1603	Power System Transients	3	0	0	3
7	MPSE1604	Renewable Energy Sources	3	0	0	3
8	CENG5001	Professional And Communication Skills	0	0	4	2
<b>SEMESTER III</b>						
<b>S.No</b>	<b>Course code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MPSE2502	Power System Dynamics and Stability	3	0	0	3
2	MPSE2505	Smart Grid and Energy Management	3	0	0	3
3	MPSE2611	Power Quality Lab	0	0	2	1
4	MPSE9998	Capstone Design-I	0	0	10	5
<b>SEMESTER IV</b>						
<b>S.No</b>	<b>Course code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MPSE9999	Capstone Design-II	0	0	30	15