

**STUDY & EVALUATION SCHEME**  
**M.TECH: ELECTRONIC & COMMUNICATION ENGINEERING (PT)**  
**SPECIALIZATION: DIGITAL COMMUNICATION**  
**I YEAR: I SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MHU1001P	Technical Communication	2	0	0	40	60	100	2
2	MEC1001P	Information Theory and Coding	4	2	0	40	60	100	5
3	MEC1002P	Random Variables and Processes	4	2	0	40	60	100	5
<b>PRACTICAL/TRAINING/PROJECT</b>									
4	MEC1501P	Communication Lab-I	0	0	4	80	20	100	2
<b>TOTAL</b>			<b>10</b>	<b>4</b>	<b>4</b>	<b>200</b>	<b>200</b>	<b>400</b>	<b>14</b>

L - Lecture

T - Tutorial

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ESE-End Semester Exam

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S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MHU2001P	Professional Ethics	2	0	0	40	60	100	2
2	MEC2001P	Optical Communication	4	2	0	40	60	100	5
3	MEC2002P	Estimation and Detection Theory	4	2	0	40	60	100	5
<b>PRACTICAL/TRAINING/PROJECT</b>									
4	MEC1501P	Communication Lab-II	0	0	4	80	20	100	2
<b>TOTAL</b>			<b>10</b>	<b>4</b>	<b>4</b>	<b>200</b>	<b>200</b>	<b>400</b>	<b>14</b>

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**II YEAR: III SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MEC3001P	Microwave Communication Engineering	4	2	0	40	60	100	5
2	MEC3002P	Advanced Digital Communication Systems	4	2	0	40	60	100	5
3	---	Elective-II	4	2	0	40	60	100	5
<b>TOTAL</b>			<b>12</b>	<b>6</b>	<b>0</b>	<b>120</b>	<b>180</b>	<b>300</b>	<b>15</b>

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**II YEAR: IV SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MEC4001P	Mobile Cellular Telecommunication	4	2	0	40	60	100	5
2	---	Elective-I	4	2	0	40	60	100	5
<b>PRACTICAL/TRAINING/PROJECT</b>									
3	MEC4501P	Seminar/Minor Project	0	0	4	100	-	100	4
<b>TOTAL</b>			<b>8</b>	<b>4</b>	<b>4</b>	<b>180</b>	<b>120</b>	<b>300</b>	<b>14</b>

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**III YEAR: V SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	---	Elective-III	4	2	0	40	60	100	5
<b>PRACTICAL/TRAINING/PROJECT</b>									
2	MEC5501P	Dissertation-I	0	0	6	100	-	100	6
<b>TOTAL</b>			<b>4</b>	<b>2</b>	<b>6</b>	<b>140</b>	<b>60</b>	<b>200</b>	<b>11</b>

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**III YEAR: VI SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>PRACTICAL/TRAINING/PROJECT</b>									
1	MEC6501P	Dissertation-II	-	-	18	80	20	100	18
2	MEC6502P	Comprehensive Viva	-	-	2	100	-	100	2
<b>TOTAL</b>			-	-	<b>20</b>	<b>180</b>	<b>20</b>	<b>200</b>	<b>20</b>
<b>GRAND TOTAL</b>			<b>44</b>	<b>20</b>	<b>38</b>	<b>1020</b>	<b>780</b>	<b>1800</b>	<b>88</b>

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**LIST OF ELECTIVES**

<b>ELECTIVE-I</b>			
<b>S. NO.</b>	<b>SUBJECT CODE</b>	<b>SUBJECT</b>	<b>SEMESTER</b>
1	MEC4101P	Communication Networks	IV
2	MEC4102P	Satellite communication	IV
3	MEC4103P	Telecommunication System Engineering	IV
4	MEC4104P	Advanced Digital Image Processing	IV
<b>ELECTIVE -II</b>			
1	MEC3101P	Advanced Digital Signal Processing	III
2	MEC3102P	Analog Signal Processing	III
3	MEC3103P	Microprocessors and Microcomputer Applications	III
4	MEC3104P	Array Processing	III
<b>ELECTIVE -III</b>			
1	MEC5101P	VHDL Based System Design	V
2	MEC5102P	VLSI Design	V
3	MEC5103P	Fuzzy Logic and Control	V
4	MEC5104P	Computational Methods For Communication	V