

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

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MHU1002	Technical Communication	2	0	0	40	60	100	2
2	MEC1001	Information Theory and Coding	4	2	0	40	60	100	5
3	MEC1002	Random Variables and Processes	4	2	0	40	60	100	5
4	MEC1003	Microwave Communication Engineering	4	2	0	40	60	100	5
5	MEC1004	Advanced Digital Communication Systems	4	2	0	40	60	100	5
<b>PRACTICAL/TRAINING/PROJECT</b>									
6	MEC1501	Communication Lab-I	0	0	4	80	20	100	2
<b>TOTAL</b>			<b>18</b>	<b>8</b>	<b>4</b>	<b>280</b>	<b>320</b>	<b>600</b>	<b>24</b>

L - Lecture  
T - Tutorial  
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S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MHU2001	Professional Ethics	2	0	0	40	60	100	2
2	MEC2001	Optical Communication	4	2	0	40	60	100	5
3	MEC2002	Estimation and Detection Theory	4	2	0	40	60	100	5
4	MEC2003	Mobile Cellular Telecommunication	4	2	0	40	60	100	5
5	---	Elective-I	4	2	0	40	60	100	5
<b>PRACTICAL/TRAINING/PROJECT</b>									
6	MEC2501	Communication Lab-II	0	0	4	80	20	100	2
<b>TOTAL</b>			<b>18</b>	<b>8</b>	<b>4</b>	<b>280</b>	<b>320</b>	<b>600</b>	<b>24</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	---	Elective-II	4	2	0	40	60	100	5
2	---	Elective-III	4	2	0	40	60	100	5
<b>PRACTICAL/TRAINING/PROJECT</b>									
3	MEC3501	Seminar/Minor Project	-	-	4	100	-	100	4
4	MEC3502	Dissertation-I	-	-	6	100	-	100	6
<b>TOTAL</b>			<b>8</b>	<b>4</b>	<b>10</b>	<b>280</b>	<b>120</b>	<b>400</b>	<b>20</b>

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**II YEAR: IV SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>PRACTICAL/TRAINING/PROJECT</b>									
1	MEC4501	Dissertation-II	-	-	18	80	20	100	18
2	MEC4502	Comprehensive Viva	-	-	-	100	-	100	2
<b>TOTAL</b>			-	-	<b>18</b>	<b>180</b>	<b>20</b>	<b>200</b>	<b>20</b>
<b>GRAND TOTAL</b>			<b>44</b>	<b>20</b>	<b>36</b>	<b>1020</b>	<b>780</b>	<b>1800</b>	<b>88</b>

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**LIST OF ELECTIVES**

<b>S. NO.</b>	<b>SUBJECT CODE</b>	<b>SUBJECT</b>
<b>Elective-I (Semester-II)</b>		
1	MEC2101	Communication Networks
2	MEC2102	Satellite communication
3	MEC2103	Telecommunication System Engineering
4	MEC2104	Advanced Digital Image Processing
<b>Elective-II (Semester-III)</b>		
1	MEC3101	Advanced Digital Signal Processing
2	MEC3102	Analog Signal Processing
3	MEC3103	Microprocessors and Microcomputer Applications
4	MEC3104	Array Processing
<b>Elective-III (Semester-III)</b>		
1	MEC3201	VHDL Based System Design
2	MEC3202	VLSI Design
3	MEC3203	Fuzzy Logic and Control
4	MEC3204	Computational Methods For Communication