

**SCHEME - M.TECH. (MICROWAVES & MILLIMETER WAVES) PART – TIME**

**M.Tech. in MMW (PT)  
FIRST SEMESTER**

Course No.	Subject	Scheme of studies Periods per week			No. & duration of Theory Papers		Credits			
		L	T	P	No.	Hrs	L	T	P	Total
MMW501	Computational Methods For Electromagnetics	3	1	-	1	3	3	1	-	4
MMW502	Digital Comm. & Coding	3	1	-	1	3	3	1	-	4
MMW503	Microwave Theory & Techniques	3	1	-	1	3	3	1	-	4
	<b>Total</b>	<b>9</b>	<b>3</b>		<b>3</b>		<b>9</b>	<b>3</b>	<b>-</b>	<b>12</b>

**M.Tech. in MMW (PT)  
SECOND SEMESTER**

Course No.	Subject	Scheme of studies Periods per week			No. & duration of Theory Papers		Credits			
		L	T	P	No.	Hrs	L	T	P	Total
MMW551	Microwave Devices	3	1	-	1	3	3	1	-	4
MMW552	Microwave Comm.	3	1	-	1	3	3	1	-	4
MMW591	Software Lab.	-	-	3	-	3	-	-	3	3
MMW 597	Seminar		2					2		2
	<b>Total</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>-</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>13</b>

**M.Tech. in MMW (PT)  
THIRD SEMESTER**

Course No.	Subject	Scheme of studies Periods per week			No. & duration of Theory Papers		Credits			
		L	T	P	No.	Hrs	L	T	P	Total
MMW504	Microwave & Millimeter Wave Integrated Ckts.	3	1	-	1	3	3	1	-	4
MMW511-520	Elective - I	3	1	-	1	3	3	1	-	4
MMW541	Microwave & Millimeter wave Lab.	-	-	3	-	3	-	-	2	2
MMW 547	Seminar		2					2		3
	<b>Total</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>-</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>13</b>

**Elective – I:**

(i) Microwave Measurements (ii) VLSI Design (iii) Detection and Estimation Theory

**M.Tech. in MMW (PT)  
FOURTH SEMESTER**

Course No.	Subject	Scheme of studies Periods per week			No. & duration of Theory Papers		Credits			
		L	T	P	No.	Hrs	L	T	P	Total
MMW553	Antenna Engg.	3	1	-	1	3	3	1	-	4
MMW554	Radar Engg.	3	1	-	1	3	3	1	-	4
MMW561-570	Elective II	3	1	-	1	3	3	1	-	4
	<b>Total</b>	<b>9</b>	<b>3</b>		<b>3</b>		<b>9</b>	<b>3</b>	<b>-</b>	<b>12</b>

**Elective II:**

(i) Computer Comm. (ii) Digital Signal Processing (iii) Neural Networks

**M.Tech. in MMW (PT)  
FIFTH SEMESTER**

Course No.	Subject	Scheme of studies Periods per week			No. & duration of Theory Papers		Credits			
		L	T	P	No.	Hrs	L	T	P	Total
MMW601	Satellite Comm.	3	1	-	1	3	3	1	-	4
MMW602	Optical Comm.	3	1	-	1	3	3	1	-	4
MMW611 -620	Elective III	3	1	-	1	3	3	1	-	4
MMW 648	Project Phase I	-	-	-	-	-	-	-	13	13
	<b>Total</b>	<b>9</b>	<b>3</b>		<b>3</b>		<b>9</b>	<b>3</b>	<b>13</b>	<b>25</b>

**Elective III:**

(i) Mobile Comm. (ii) Digital Image Processing (iii) Internet & Intranet

**M.Tech. in MMW (PT)  
SIXTH SEMESTER**

Course No.	Subject	Scheme of studies Periods per week			No. & duration of Theory Papers		Credits			
		L	T	P	No.	Hrs	L	T	P	Total
MMW698	Project Phase II	-	-	-	-	-	-	-	25	25
	<b>Total</b>	-	-	-	-	-	-	-	<b>25</b>	<b>25</b>
Grand Total of I to VI Semesters										<b>100</b>