



**BRAINWARE UNIVERSITY**  
**School of Engineering**  
**Department of Electronics & Communication Engineering**  
**Programme Structure: Master of Technology in Electronics & Communication Engineering –**  
**Communication Engineering**  
**2021**

**Semester –I**

Course Code	Course Name	L – T – P	Credits	Total Marks
PCC-MCE101	Advanced Communication Networks	3 – 0 – 0	3	100
PCC-MCE102	Wireless and Mobile Communication	3 – 0 – 0	3	100
PEC-MCE101	<b>Elective - I</b>	3 – 0 – 0	3	100
	A. Voice and data Network B. Photonics and Optical Communication			
PEC-MCE102	<b>Elective - II</b>	3 – 0 – 0	3	100
	A. RF and Microwave Circuit Design B. Cognitive Radio			
PCC-MCE191	Advanced Communication Networks Lab	0 – 0 – 4	2	100
PCC-MCE192	Wireless and Mobile Communication Lab	0 – 0 – 4	2	100
HSMC-MCE101	Research Methodology and IPR	2 – 0 – 0	2	100
	<b>Total</b>		<b>18</b>	<b>700</b>
MC-MCE181	A. Disaster Management B. Constitution of India	2 – 0 – 0	0	100

**Semester –II**

Course Code	Course Name	L – T – P	Credits	Total Marks
PCC-MCE201	Antennas and Radiating Systems	3 – 0 – 0	3	100
PCC-MCE202	Advanced Digital Signal Processing	3 – 0 – 0	3	100
PEC-MCE201	<b>Elective – III</b>	3 – 0 – 0	3	100
	A. Satellite Communication B. Telecommunication Switching and Networks			
PEC-MCE202	<b>Elective – IV</b>	3 – 0 – 0	3	100
	A. Information Theory and Coding Techniques B. Internet of Things			
PCC-MCE291	Antennas and Radiating Systems Lab	0 – 0 – 4	2	100
PCC-MCE292	Advanced Digital Signal Processing Lab	0 – 0 – 4	2	100
PROJ-MCE281	Term paper leading to thesis	2 – 0 – 0	2	100
	<b>Total</b>		<b>18</b>	<b>700</b>
MC-MCE281	A. Value Education B. Research Paper Writing	2 – 0 – 0	0	100



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**Semester –III**

Course Code	Course Name	L – T – P	Credits	Total Marks
PEC-MCE301	<b>Elective – V</b> A. Remote sensing techniques and applications B. Pattern Recognition and Machine Learning C. High Performance Networks	3 – 0 – 0	3	100
OEC-MCE301	A. Business Analytics B. Industrial Safety C. Operations Research D. Cost Management of Engineering Projects E. Composite Materials F. Waste to Energy	3 – 0 – 0	3	100
PROJ-MCE381	Dissertation Phase – I	0 – 0 – 20	10	100
	<b>Total</b>		<b>16</b>	<b>300</b>

**Semester – IV**

Course Code	Course Name	L – T – P	Credits	Total Marks
PROJ-MCE481	Dissertation Phase – II	0 – 0 – 32	16	100
	<b>Total</b>		<b>16</b>	<b>100</b>

**Total Credits: 68**