

Department of Electronics and Communication
J.K. Institute of Applied Physics & Technology
University of Allahabad, Allahabad

M. Tech. (Electronics and Communication Engineering) Course Structure and Syllabus

M.Tech. 1 st Semester (ECE)						
First Semester	Course Code	L-T-P-C	Credits	Four theory Paper & a Practical Lab	Sessional Marks	End Semester Marks
Paper – 1	MEC 501	3-0-0-3	3	Advanced Digital Signal Processing	40	60
Paper – 2	MEC 502	3-0-0-3	3	Digital Communication	40	60
Paper – 3	MEC 503	3-0-0-3	3	VLSI Technology	40	60
Paper – 4	MEC 504	3-0-0-3	3	Wireless Sensor & Actuator Networks	40	60
Practical	MEC 505	0-0-16-8	8	Practical Lab	40	60

M.Tech. 2 nd Semester (ECE)						
Second Semester	Course Code	L-T-P-C	Credits	Four theory Paper & a Practical Lab	Sessional Marks	End Semester Marks
Paper – 1	MEC 506	3-0-0-3	3	Advanced Fiber Optic Communication	40	60
Paper – 2	MEC 507	3-0-0-3	3	Advanced Antenna Theory & Techniques	40	60
Paper – 3	MEC 508	3-0-0-3	3	Internet of Things (IoT)	40	60
Paper – 4	MEC 509	3-0-0-3	3	Elective	40	60
Practical	MEC 510	0-0-16-8	8	Practical Lab	40	60

M.Tech. 3 rd Semester (ECE)						
Paper	Course Code	L-T-P-C	Credits	One theory Paper & Project	Sessional Marks	End Semester Marks
Paper – 1	MEC 601	4-0-0-4	4	Elective Paper	40	60
Project	MEC 602	0-0-32-16	4	Project – Phase I – Seminar	40	60
			6	Project – Phase I – Dissertation	40	60
			6	Project – Phase I – Viva Voce	40	60

M.Tech. 4 th Semester (ECE)						
Project	Course Code	L-T-P-C	Credits	Project & Paper Writing	Sessional Marks	End Semester Marks
Project	MEC 603	0-0-40-20	6	Project – Phase II – Seminar	40	60
			6	Project – Phase II – Dissertation	40	60
			6	Project – Phase II – Viva Voce	40	60
			2	Paper Writing & Presentation	40	60