

SCHOOL OF ENGINEERING & TECHNOLOGY
PG PROGRAM: M Tech in Electronics and Communication Engineering

Course Structure

SEMESTER I								
Sl. No	Type	Course code	Course Title	L	T	P	Contact Hrs/wk	Credits
1	Theory	EEC61101	Advanced Communication Engineering	3	1	0	4	4.0
2	Theory	EEC61103	Detection and Estimation Theory	3	1	0	4	4.0
3	Theory		Elective I	3	0	0	3	3.0
4	Theory		Elective II	3	0	0	3	3.0
5	Theory		Elective III	3	0	0	3	3.0
6	Practical	EEC61201	Advanced Communication Lab	0	0	3	3	2
7	Practical	EEC61203	Detection and Estimation Theory Lab	0	0	3	3	2
8	Seminar	EEC61301	Seminar-I	0	0	2	2	2
			Total	15	2	8	25	23

SEMESTER II								
Sl. No	Type	Course code	Course Title	L	T	P	Contact Hrs/wk	Credits
1			Advanced Digital Signal Processing				4	
	Theory	EEC61102		3	1	0		4.0
2	Theory	EEC61104	Low Power VLSI Design	3	1	0	4	4.0
3	Theory		Elective IV	3	0	0	3	3.0
4	Theory		Elective V	3	0	0	3	3.0
5	Theory		Elective VI	3	0	0	3	3.0
6	Practical	EEC61202	Advanced Digital Signal Processing Lab	0	0	3	3	2
7	Seminar	EEC61302	Seminar-II	0	0	2	2	2
			Total	18	2	8	22	21

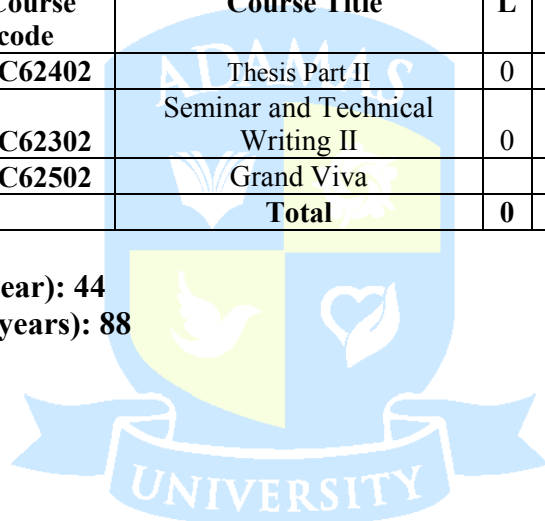
Total Credit (First Year): 44

SEMESTER III								
Sl. No	Type	Course code	Course Title	L	T	P	Contact Hrs/wk	Credits
1	Dissertation	EEC62401	Thesis Part I	0	0	24	24	16.0
2	Seminar	EEC62301	Seminar and Technical Writing I	0	0	4	4	4.0
Total				0	0	28	28	20

SEMESTER IV								
Sl. No	Type	Course code	Course Title	L	T	P	Contact Hrs/wk	Credits
1	Dissertation	EEC62402	Thesis Part II	0	0	24	24	16.0
2	Seminar	EEC62302	Seminar and Technical Writing II	0	0	4	4	4.0
3	Sessional	EEC62502	Grand Viva					4.0
Total				0	0	28	28	24

Total Credit (Second Year): 44

Total Credit (over two years): 88



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List of Elective Subjects (M Tech in ECE):

Elective – I to III:

- EEC61105 Computational Intelligence (3-0-0)
- EEC61107 Image and Video Processing (3-0-0)
- EEC61109 Microwave Design and Measurement (3-0-0)
- EEC611013 Communication Network (3-0-0)
- EEC61115 Remote Sensing (3-0-0)
- EEC61117 Optical Communication (3-0-0)
- EEC61119 Antenna Theory (3-0-0)
- EEC61121 Information theory & coding (3-0-0)
- EEC61123 Bio Medical System Engineering (3-0-0)
- EEC61125 CMOS Analog VLSI Design (3-0-0)
- EEC61127 VLSI Design (3-0-0)
- EEC61129 Mobile Computing (3-0-0)
- ECS61121 Design and Analysis of Algorithms (3-0-0)
- EEE61121 Adaptive and Robust Control (3-0-0)

Elective – IV to VI:

- EEC61108 Biomedical Signal Processing (3-0-0)
- EEC61110 Semiconductor Device Modelling (3-0-0)
- EEC61112 Fiber Optic Sensors (3-0-0)
- EEC61114 Modern Radar System (3-0-0)
- EEC61116 VLSI Signal processing (3-0-0)
- EEC61118 Satellite Communication Systems (3-0-0)
- EEC61120 Radar Signal Processing (3-0-0)
- EEC61122 Optoelectronic & Display Devices (3-0-0)
- EEC61124 Artificial Intelligence & Robotics (3-0-0)
- EEC61126 Visual Informatics (3-0-0)
- EEC61128 Internet Of Things (3-0-0)
- ECS61112 Machine Learning (3-0-0)
- EEC61122 CAD-CAM (3-0-0)
- EEC61122 Process Control (3-1-0)

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