

**G Narayanamma Institute of Technology and Science (for women),
ECE Department**

MTech CO Direct Attainment for 2017-19 Batch

Subject Code for NBA	Subject Name	Internal Examination							External Examination	
		CO1	CO2	CO3	CO4	CO5	CO6	Overall Attainment (X)	Attainment (Y)	Direct Attainment (0.3 * X + 0.7 * Y)
I Year I Sem										
PC101	Advanced Digital System Design	2	1	0	3	1	0	0	2	1.4
PC102	Coding Theory and Techniques	3	3	0	3	0	0	1	1	1
PC103	Broadband Communications	2	2	0	3	2	0	1	2	1.7
PC104	Real Time Operating Systems									
PC105	Image and Video Processing	1	0	3	0	2	2	1	3	2.4
PC106	Spread Spectrum Communications									
PC107	Advanced Computer Architecture	3	0	0	3	0	1	0	3	2.1
PC108	Advanced Digital Signal Processing									
PC109	Optical Communications and Networks									
PC110	Renewable Energy Sources	1	0	0	0	0	3	1	0	0.3
PC111	Digital System Design Lab	0	3	3	3	3	1	3	3	3
PC112	Seminar	3	3	3	3	3	3	3	3	3
I Year II Sem										
PC113	Design of Fault Tolerant Systems	2	3	2	1	1	1	2	1	1.3
PC114	Detection and Estimation Theory	1	3	2	1	0	0	1	0	0.3
PC115	Wireless Communications and Networks	0	0	0	3	2	0	0	3	2.1
PC116	System on Chip Architecture									
PC117	Software Defined Radio									
PC118	Cellular and Mobile Communications	2	1	2	3	3	0	1	3	2.4
PC119	Network Security and Cryptography									
PC120	Digital Signal Processors and Architectures	3	2	2	3	0	3	2	1	1.3
PC121	EMI/EMC									
PC122	Research Methodologies	0	1	1	1	1	3	1	2	1.7
PC123	Wireless Communications and Networks Lab	2	3	3	3	3	2	2	3	2.7
PC124	Seminar							3	3	3
II Year I Sem										
PC125	Technical Paper Writing							3	3	3
PC126	Comprehensive Viva	3	3	3	0	0	0	3	3	3
PC127	Project Review II							3	3	3
II Year II Sem										
PC128	Project Review III	3	3	3	3	3	3	3	3	3
PC129	Project Evaluation	3	3	3	3	3	3	3	3	3