

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

CO Direct Attainment for B Tech 2016-20 Batch

Subject Code for NBA	Subject Name	Internal Examination							External Examination	Direct Attainment (0.25 * X + 0.75 * Y)
		CO1	CO2	CO3	CO4	CO5	CO6	Overall Attainment (X)	Attainment (Y)	
1st Year										
C101	Mathematics-I	3	3	3	0	3	2	3	1	1.5
C102	Engineering Chemistry	3	3	2	3	1	1	2	1	1.25
C103	Engineering Physics	3	3	3	3	3	3	3	1	1.5
C104	Professional Communication in English	3	3	3	3	3		3	0	0.75
C105	Engineering Mechanics	3	3	3	3	3	3	3	1	1.5
C106	Basic Electrical and Electronics Engineering	3	3	0	3	3		3	0	0.75
C110	Engineering Physics-II	3	3	3	3	3	3	3	1	1.5
C111	Mathematics-II	3	3	2	3	3	2	3	1	1.5
C112	Mathematics-III	3	3		2	3	3	3	1	1.5
C113	Computer Programming in C	2	3	3	3	3	3	3	1	1.5
C114	Engineering Graphics	3	3	1	2	3	3	3	1	1.5
2nd Year										
C201	Mathematics – IV	3	3	1	3	2	0	3	3	3
C202	Analog Electronics	3	2	0	3	3	3	3	1	1.5
C203	Electrical Technology	3	2	1	3	2	1	2	3	2.75
C204	Signals and Stochastic Process	3	0	0	3	3	1	2	0	0.5
C205	Network Analysis	2	2	3	0	3	1	2	1	1.25
C206	Electronic Devices and Circuits Lab	0	2	2	2	2	1	2	3	2.75
C207	Basic Simulation Lab	0	1	1	1	1	0	0	3	2.25
C208	Basic Electrical Engineering Lab	3	2	3	3	2	3	3	3	3
C210	Switching Theory and Logic Design	2	0	2	2	3	3	2	3	2.75
C211	Pulse and Digital Circuits	3	1	1	2	0	0	2	2	2
C212	Control Systems	3	3	2	2	2	1	3	3	3
C213	Analog Communications	2	2	1	2	3	0	2	2	2
C214	Business Economics and Financial Analysis	3	1	1	2	2	2	2	3	2.75
C215	Analog Communications Lab	0	0	0	0	0	1	0	3	2.25
C216	Pulse and Digital Circuits Lab	0	1	2	1	1	3	2	3	2.75
C217	Analog Electronics Lab	0	2	2	2	2	1	2	3	2.75

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3 rd Year										
C301	Electromagnetic Theory and Transmission Lines	3	3	1	0	3	2	1	2	1.75
C302	Linear and Digital IC Applications	3	2	3	3	3	2	3	3	3
C303	Digital Communications	2	3	2	2	2	3	2	3	2.75
C304	Fundamentals of Management	3	3	0	3	3	2	2	3	2.75
C305	Database Management System	2	3	2	1	1	3	3	1	1.5
C306	Linear IC Applications Lab	0	1	1	1	1	1	1	2	1.75
C307	Digital IC Applications Lab	0	3	3	3	3	3	3	3	3
C308	Digital Communications Lab	0	1	1	1	1	1	0	3	2.25
C310	JAVA Programming	3	3	0	3	3	2	3	3	3
C311	Cyber Security	2	0	2	0	1	3	1	2	1.75
C312	Computer Organization and Operating System	2	3	3	3	1	2	2	2	2
C313	Digital Image Processing	3	2	1	3	0	3	2	2	2
C314	Digital System Design	3	0	3	3	2	2	3	2	2.25
C316	Antennas and Wave Propagation	3	2	1	2	1	1	2	2	2
C317	Microprocessors and Microcontrollers	3	3	0	3	3	2	3	3	3
C318	Digital Signal Processing	2	3	2	1	1	3	3	0	0.75
C319	Digital Signal Processing Lab	0	0	0	0	0	1	0	3	2.25
C320	Microprocessors and Microcontrollers Lab	0	0	0	0	0	3	1	3	2.5
C321	Advanced English Communication Skills Lab	3	3	0	3	3	2	3	3	3
4 th Year										
C401	Microwave Engineering	3	0	1	3	3	3	2	3	2.75
C402	Computer Networks	3	3	0	2	2	3	2	2	2
C404	Coding Theory and Techniques	3	2	0	1	1	1	2	3	2.75
C409	Embedded System Design	3	3	3	0	3	2	3	2	2.25
C412	Electronic Measurements and Instrumentation	3	2	3	3	3	2	2	2	2
C414	VLSI Design	2	1	1	1	3	1	1	3	2.5
C415	VLSI and E-CAD Lab	1	0	0	0	0	3	2	3	2.75
C416	Microwave Engineering Lab	0	2	2	2			2	3	2.75
C417	Industry Oriented Mini Project	3	3	3	3	3	3	3	3	3
C418	Seminar	3	3	3	3	3	3	3	3	3
C428	Major Project	3	3	3	3	3	3	3	3	3
C429	Environmental Impact Assessment							3	3	3

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Dr. B. Venkateshulu,
HOD, ECE Department

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