

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

**B Tech CO Direct Attainment for 2017-21 Batch**

Subject Code for NBA	Subject Name	Internal Examination						Overall Attainment (X)	External Examination Attainment (Y)	Direct Attainment (0.25 * X + 0.75 * Y)
		CO1	CO2	CO3	CO4	CO5	CO6			
<b>1<sup>st</sup> Year</b>										
C101	Mathematics-I	3	3	3	1	3	2	3	1	1.5
C102	Engineering Chemistry	3	3	2	3	1	1	3	1	1.5
C103	Engineering Physics	3	3	3	3	3	3	3	1	1.5
C104	Professional Communication in English	3	3	3	3	3	0	3	2	2.25
C105	Engineering Mechanics	3	3	3	3	3	3	3	2	2.25
C106	Basic Electrical and Electronics Engineering	3	3	0	3	3	1	3	1	1.5
C107	English Language Communication Skills Lab	2	2	2	2	2	2	2	2	2
C109	Engineering Workshop	3	3	3	3	3	3	3	3	3
C110	Engineering Physics-II	1	1	0	0	3	0	0	1	0.75
C111	Mathematics-II	3	3	2	3	3	2	2	1	1.25
C112	Mathematics-III	3	3	0	2	3	3	3	2	2.25
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
C115	Engineering Chemistry Lab	2	2	2	2	2	2	2	2	2
C116	Engineering Physics Lab	3	3	3	3	3	3	3	2	2.25
C117	Computer Programming in C Lab	1	1	1	1	1	1	1	3	2.5
<b>2<sup>nd</sup> Year</b>										
C201	Mathematics – IV	3	3	1	3	2	3	3	3	3
C202	Analog Electronics	3	1	0	1	1	2	1	3	2.5
C203	Electrical Technology	3	2	2	3	2	1	3	3	3
C204	Signals and Stochastic Process	3	0	0	1	3	1	1	3	2.5
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	1	3	2.5
C207	Basic Simulation Lab	0	1	1	1	1	0	1	3	2.5
C208	Basic Electrical Engineering Lab	3	2	3	3	2	3	3	3	3
C210	Switching Theory and Logic Design	2	3	2	2	3	3	3	3	3
C211	Pulse and Digital Circuits	3	1	1	2	1	1	2	1	1.25
C212	Control Systems	3	3	2	2	2	1	2	1	1.25
C213	Analog Communications	2	2	1	2	3	0	3	3	3
C214	Business Economics and Financial Analysis	3	1	1	2	2	2	3	3	3
C215	Analog Communications Lab	2	2	2	2	3	1	3	3	3
C216	Pulse and Digital Circuits Lab	2	1	2	1	1	3	2	3	2.75
C217	Analog Electronics Lab	0	2	2	2	2	1	1	3	2.5
<b>3<sup>rd</sup> Year</b>										
C301	Electromagnetic Theory and Transmission Lines	3	3	1	0	3	2	2	1	1.25
C302	Linear and Digital IC Applications	3	2	3	3	3	2	3	0	0.75
C303	Digital Communications	0	3	0	1	2	3	1	1	1
C304	Fundamentals of Management	3	3	1	3	3	2	3	3	3
C305	Database Management System	2	3	2	3	1	3	3	3	3
C306	Linear IC Applications Lab	0	1	1	1	1	1	1	3	2.5

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C307	Digital IC Applications Lab	3	3	3	3	2	3		3	3
C308	Digital Communications Lab	3	3	3	3	3	2		3	3
C310	JAVA Programming	3	3	0	3	3	2	3	3	3
C311	Cyber Security	2	3	2	3	1	3	3	3	3
C313	Digital Image Processing	3	2	1	3	3	3	3	1	1.5
C314	Digital System Design	3	0	1	1	2	2	1	3	2.5
C316	Antennas and Wave Propagation	3	3	2	3	2	2	3	1	1.5
C317	Microprocessors and Microcontrollers	3	3	0	2	3	2	2	2	2
C318	Digital Signal Processing	2	0	2	1	1	0	1	2	1.75
C319	Digital Signal Processing Lab	3	3	3	3	3	3	3	3	3
C320	Microprocessors and Microcontrollers Lab	3	3	3	3	3	3	3	3	3
C321	Advanced English Communication Skills Lab	3	3	0	3	3	2	3	3	3
<b>4<sup>th</sup> Year</b>										
C401	Microwave Engineering	3	3	0	3	2	0	2	2	2
C402	Computer Networks	3	3	0	3	2	0	2	1	1.25
C409	Embedded System Design	3	0	0	1	3	0	1	2	1.75
C412	Electronic Measurements and Instrumentation	3	3	2	3	1	2	3	3	3
C414	VLSI Design	3	2	0	3	2	1	2	3	2.75
C415	VLSI and E-CAD Lab	3	3	3	3	1	3	3	3	3
C416	Microwave Engineering Lab	0	0	2	2			1	3	2.5
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
C422	Optical Communications	3	2	3	3	3	2	2	2	2
C426	Global Positioning System	3	2	0	3	2	1	2	1	1.25
C428	Major Project	3	3	3	3	3	3	1	3	2.5
C429	Environmental Impact Assessment	3	3	3	0	3	2	3	3	3

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