


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


BTech CO Direct Attainment for 2014-18 Batch

Subject Code for NBA	Subject Name	Internal Examination						Overall Attainment (X)	External Examination	
		CO1	CO2	CO3	CO4	CO5	CO6		Attainment (Y)	Direct Attainment (0.25 * X + 0.75 * Y)
1 st Year										
C101	English	3	2	2	1	1	2	2	2	2
C102	Mathematics-I	1	2	2	0	0	0	1	1	1
C103	Computer Programming	1	2	0	1	1	1	1	1	1
C104	Engineering Physics	3	1	0	0	2	1	1	1	1
C105	Engineering Drawing	3	3	3	3	3	2	3	3	3
C106	Computer Programming Lab							3	3	3
C107	English Lab							3	3	3
C108	Engineering Physics Lab							3	3	3
C109	Mathematics-II	3	2	2	3	1	3	3	3	3
C110	Mathematics-III	3	0	1	0	1	1	1	1	1
C111	Electrical Circuits	3	3	2	3	1	1	2	2	2
C112	Engineering Chemistry	3	2	2	1	0	2	2	2	2
C113	Data Structures	3	2	0	1	2	2	2	2	2
C114	Engineering Chemistry Lab							3	3	3
C115	Electrical Circuits Lab							3	3	3
C116	Data Structures Lab							3	3	3
2 nd Year										
C201	Mathematics-III	1	1	1	1	1	1	1	1	1
C202	Probability Theory & Stochastic Processes	3	3	3	0			3	1	1.5
C203	Switching Theory & Logic Design	3	2	2				3	2	2.25
C204	Electrical Circuits	2	2	2	2	2	2	2	3	2.75
C205	Electronic Devices & Circuits	2	1	3	0	3		2	2	2
C206	Signals & Systems		3	1	0	3	3	2	3	2.75
C207	Electronic Devices & Circuits Lab									3
C208	Basic Simulation Lab									3
C209	Principles of Electrical Engineering	3	3	3	3			1	1	1.5
C210	Electronic Circuits Analysis	3	3	2	3			1	1	1.5
C211	Pulse and Digital Circuits	3	2	3	0			2	3	2.75
C212	Environmental Studies	3	3	3	3	3	3	3	3	3
C213	Electromagnetic Theory and Transmission Lines	3	3	2	3			3	1	1.5
C214	Digital Design using VHDL	3	3	3	1			2	3	2.75
C215	Electrical Technology Lab									3
C216	Electronics circuits and Pulse Circuits Lab									3


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3 rd Year										
C301	Control Systems Engineering	2	1	3	3			3	1	1.5
C302	Computer Organization and Operating Systems	3	3	2	3	0	3	2	3	2.75
C303	Antennas & Wave Propagation	3	3	2	3			3	1	1.5
C304	Electronic Measurements and Instrumentation	3	3	3	3			3	3	3
C305	Analog Communications	3	3	2	3			3	1	1.5
C306	Linear and Digital IC Applications	3	2	2	2			3	3	3
C307	Analog Communications Lab									3
C308	IC Applications and HDL Simulation Lab									3
C309	Managerial Economics and Financial Analysis	3	3	3	3	3	3	3	3	3
C311	Disaster Management	3	3	3	3	3	3	3	3	3
C313	Digital Communications	2	3	3	3			3	3	3
C314	VLSI Design	3	2	3	0			2	3	2.75
C315	Microprocessors and Microcontrollers	3	3	3	1			2	1	1.25
C316	Digital Signal Processing	2	3	2	2			3	1	1.5
C317	Microprocessors and Microcontrollers Lab									3
C318	Digital Signal Processing Lab									3
4 th Year										
C401	Management Science	0	0	0	0	0	0	0	0	0
C402	Microwave Engineering	3	0	3	0	3	2	2	0	0.5
C403	Computer Networks	3	3	2	1	3		2	0	0.5
C404	Cellular And Mobile Communications	3	3	3	3			3	0	0.75
C405	Digital Image Processing	2	2	2	1			2	2	2
C407	OOPS through Java	3	3	3	3	3	3	3	3	3
C409	Optical Communications	3	2	0	3			2	0	0.5
C410	Embedded Systems Design	3	3	0	3	3	3	3	2	2.25
C411	Advanced English Communication Skills Lab									3
C412	Microwave Engineering and Digital Communications Lab									3
C413	Satellite Communications	2	3	2	3			3	1	1.5
C417	Radar Systems	3	3	0		1	3	2	3	2.75
C419	Wireless Communications and Networks	3	0	2	3			1	3	2.5
C420	Digital Signal Processors and Architectures	3	3	2	3			3	0	0.75
C422	Industry Oriented Mini Project							3	3	3
C423	Seminar							3	3	3
C424	Major Project							3	3	3
C425	Comprehensive Viva							3	3	3

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