

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

BTech CO Direct Attainment for 2018-22 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	Physics	1	2	3	1	3		2	1	1.25
C102	Linear Algebra and Multivariable Calculus	3	2	3	3	2	2	2	1	1.25
C103	Programming for Problem Solving	2	3	1	2	1	3	2	1	1.25
C104	Engineering Graphics	1	2	0	1	3	3	2	1	1.25
C105	Engineering Workshop	2	2	2	2	2	2	2	2	2
C106	Physics Lab	3	3	3	3	3	3	3	3	3
C107	Programming Lab	3	3	3	3	3	3	3	3	3
C108	Games and Sports	-	-	-	-	-	-	-	-	-
C109	Chemistry	1	3	3	3	1	3	3	2	2.25
C110	Numerical Techniques and Transform Calculus	3	3		3	3	0	2	1	1.25
C111	English	1	3	1	3	0	0	1	1	1
C112	Basic Electrical Engineering	3	0	0	0	3		1	1	1
C113	Chemistry Lab	1	3	3	3	3	2	3	3	3
C114	English Professional and Communication Skills Lab	3	3	3	3	3	3	3	3	3
C115	Basic Electrical Engineering Lab	3	3	3	3	3	3	3	3	3
C116	Computational Mathematics Lab	2	2	2	2	2	2	2	2	2
C117	National Service Scheme (NSS)	-	-	-	-	-	-	-	-	-
2nd Year										
C201	Mathematical Analysis	2	3	3	1	3	3	3	3	3
C202	Network Theory	0	3	2	1	3	2	1	3	2.5
C203	Electronic Devices and Circuits	3	3	1	0	2	1	2	3	2.75
C204	Signals and Systems	3	0	2	3	1	2	2	0	0.5
C205	Digital System Design	3	1	1	0	0	0	1	2	1.75
C206	Electronic Circuits Lab	0	1	1	1	1	2	1	3	2.5
C207	Basic Simulation Lab	0	1	1	1	1	2	1	3	2.5
C208	Digital System Design Lab	0	2	2	2	2	3	2	3	2.75
C209	Gender Sensitization	-	-	-	-	-	-	-	-	-
C210	Probability Theory & Stochastic Processes	1	1	1	1	1	1	1	2	1.75
C211	Material Science	3	3	3	3	3	3	3	3	3
C212	Analog Circuits	1	1	1	1	1	1	1	3	2.5
C213	Analog & Digital Communications	2	2	2	2	2	2	2	3	2.75
C214	Microprocessors & Microcontrollers	3	3	3	3	3	3	3	3	3
C215	Analog Circuits Lab	0	3	3	3	3	3	3	3	3
C216	Analog & Digital Communications Lab	1	2	2	2	2	2	2	3	2.75
C217	Microprocessors & Microcontrollers Lab	1	2	2	2	2	3	2	3	2.75
C218	Environmental Sciences	-	-	-	-	-	-	-	-	-
3rd Year										
C301	VLSI Design	2	1	0	2	2	1	1	2	1.75
C302	Digital Signal Processing	1	1	1	1	1	1	1	3	2.5
C303	EM Theory and Transmission Lines	3	2	2	3	3	3	3	2	2.25
C304	Computer Organization	1	1	2	2	0	3	2	2	2
C305	Electronic Measurements and Instrumentation	3	3	3	2	1		2	2	2
C306	Information Theory and Coding	1	3	3	3	2	0	2	3	2.75
C307	Digital Signal Processing Lab	1	1	1	1	1	3	1	3	2.5
C308	e-CAD and VLSI Lab	3	0	0	0	0	3	3	3	3
C309	Employability and Soft Skills Lab	2	3	3	3	3	3	3	3	3
C310	Fundamentals of Data Structures	3	2	2	3	3	3	3	3	3




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C311	Java Programming	1	1	2	2	0	3	2	3	2.75
C312	Basic Electronics	-	-	-	-	-	-	-	-	-
C313	Electrical Materials	-	-	-	-	-	-	-	-	-
C314	Operations Research	-	-	-	-	-	-	-	-	-
C315	Introduction to Data Analytics	-	-	-	-	-	-	-	-	-
C316	Disaster Management	3	3	1	0	3	3	3	3	3
C317	Managerial Economics and Financial Analysis	2	2	3	2	3	3	3	3	3
C318	Principles of Computer Networks	2	1	3	1	0	0	1	2	1.75
C319	Linear Control Systems	2	2	2	0	0	2	0	3	2.25
C320	Antennas and Wave Propagation	0	2	1	0	0	0	0	3	2.25
C321	Speech and Audio Signal Processing	-	-	-	-	-	-	-	-	-
C322	Bio-Medical Electronics	3	3	2	2	0	2	2	3	2.75
C323	Computer Networks Lab	1	2	2	2	2	2	2	3	2.75
C324	Electronic Design Lab	3	1	1	1	1	2	2	3	2.75
C325	Seminar	3	3	3	3	-	-	3	3	3
C326	Operating Systems	-	-	-	-	-	-	-	-	-
C327	Database Management Systems	2	0	1	3	3	3	3	3	3
C328	Principles of Electronic Communications	-	-	-	-	-	-	-	-	-
C329	Renewable Energy Sources	-	-	-	-	-	-	-	-	-
C330	Operations Research	-	-	-	-	-	-	-	-	-
C331	Research Methodology	-	-	-	-	-	-	-	-	-
C332	Behavioral Skills and Professional Communication	1	1	3	3	3	2	3	3	3
C333	Intellectual Property Rights	-	-	-	-	-	-	-	-	-
4 th Year										
C401	Fundamentals of Management	3	3	1	0	3	3	3	3	3
C402	Microwave Engineering	2	1	2	3	0	1	1	3	2.5
C403	Digital Image and Video Processing	3	3	2	2	3	0	2	2	2
C404	Low Power VLSI Design	2	3	3	0	0	0	1	3	2.5
C405	Principles of Wireless Communications	1	0	2	0	0	3	1	2	1.75
C406	Artificial Intelligence	3	0	0	2	2	1	1	3	2.5
C407	Fiber Optic Communications	0	0	0	0	3	2	1	3	2.5
C408	Embedded System Design	3	2	3	2	3	1	3	3	3
C409	Microwave Engineering Lab	0	3	3	3	3	3	2	3	2.75
C410	Mini Project	3	3	3	3	3	3	3	3	3
C411	Project Phase I	2	3	3	2	3	3	2	3	2.75
C412	Cyber Security	3	3	2	2	0	2	2	3	2.75
C413	Python Programming	1	2	2	2	2	2	2	3	2.75
C414	Android Programming	-	-	-	-	-	-	-	-	-
C415	Telecommunication Switching Systems	-	-	-	-	-	-	-	-	-
C416	Waste Management Techniques and Power Generation	-	-	-	-	-	-	-	-	-
C417	Industrial Management	-	-	-	-	-	-	-	-	-
C418	Entrepreneurship and Project Management	3	3	2	2	0	2	2	3	2.75
C419	Global Navigation Satellite Systems	3	0	2	3	3	3	2	3	2.75
C420	Adaptive Signal Processing	3	3	0	1	3	0	2	3	2.75
C421	Radar Systems	-	-	-	-	-	-	-	-	-
C422	Internet of Things	3	0	2	2	0	0	1	3	2.5
C423	Ad hoc Wireless Networks	-	-	-	-	-	-	-	-	-
C424	Artificial Neural Networks	-	-	-	-	-	-	-	-	-
C425	Project Phase II	3	3	3	3	3	3	3	3	3
C426	Principles of Artificial Intelligence	-	-	-	-	-	-	-	-	-
C427	Cloud Computing	3	3	2	2	0	2	2	3	2.75
C428	Cellular and Mobile Communications	-	-	-	-	-	-	-	-	-
C429	Robotics	-	-	-	-	-	-	-	-	-
C430	Marketing Management	-	-	-	-	-	-	-	-	-
C431	Environment Impact Assessment	3	3	2	2	0	2	2	3	2.75

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