


G.Narayanamma Institute of Technology & Science (For Women),
Department of Electronics and Telematics Engineering
CO Direct Attainment for B.Tech 2015-19 Batch

Year	Subject code	Subject Name	Internal examination							External examination	Direct Attainment (0.25*X + 0.75*Y)
			CO1	CO2	CO3	CO4	CO5	CO6	Overall Attainment Level (X)	Attainment level (Y)	
I	C101	English	2	1	2	3	2	2	2	2	2
I	C102	Mathematics – I			1	2	2	3	2	2	2
I	C103	Mathematical Methods	1	0	1	2	1	1	1	1	1
I	C104	Engineering Physics	2	3	1	1	2	3	2	2	2
I	C105	Engineering Chemistry	2	3	2	1	2	2	2	2	2
I	C106	Computer Programming		2	1	1	0	1	1	1	1
I	C107	Engineering Drawing	1	2	1	0			1	1	1
I	C108	Computer Programming Lab.		3	1	0	3	3	2	2	2
I	C109	Engineering Physics / Engineering Chemistry Lab.							3	3	3
I	C110	English Language Communication Skills Lab							3	3	3
I	C111	IT Workshop / Engineering Workshop							3	3	3
II-I	C201	Mathematics-III	2	1		2	2	3	2	2	2
II-I	C202	Probability Theory & Stochastic Process	3	0	2	3			2	2	2
II-I	C203	Switching Theory & Logic Design			3	3	3	3	3	3	3
II-I	C204	Electrical Circuits	1	2	2	1	3	3	2	2	2
II-I	C205	Electronic Devices & Circuits		2	1	2	3	2	2	2	2
II-I	C206	Signal and Systems	3	2	0	3	2	2	2	2	2
II-I	C207	Electronic Devices & Circuits Lab							3	3	3
II-I	C208	Basic Simulation Lab							3	3	3


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II-I	C209	Principles of Electrical Engineering	3	1	2	1	3	2	2	2	2
II-I	C210	Electronic Circuit Analysis			2	3	0	3	2	2	2
II-I	C211	Pulse & Digital Circuits	2	2	2	2			2	2	2
II-I	C212	Environmental Studies			3	3	3	3	3	3	3
II-I	C213	Electromagnetic Theory and Transmission Lines	2	3	2	3	0		2	2	2
II-II	C214	Analog Communications	3	1	2	1	3	2	2	2	2
II-II	C215	Electrical Technology Lab.							2	2	2
II-II	C216	Electronic Circuits and Pulse Circuits Lab.							3	3	3
III-I	C301	Control Systems Engineering	2	1	2	3			2	2	2
III-I	C302	Computer Organization and Operating Systems		3	3		3	3	3	3	3
III-I	C303	Digital Signal Processing	1	2	1	3	3	2	2	2	2
III-I	C304	Antennas and Wave Propagation	2	0	1	3	3	3	2	2	2
III-I	C305	Digital Communications	1	2	3	2	2		2	2	2
III-I	C306	Linear and Digital IC Applications			3	0	3	2	2	2	2
III-I	C307	Analog and Digital Communications Lab							3	3	3
III-I	C308	Linear and Digital IC Applications Lab							3	3	3
III-II	C309	Managerial Economics and Financial Analysis	3	2	1	2	3	1	2	2	2
III-II	C310	Human Values and Professional Ethics									
III-II	C311	Disaster Management	2	3	1	3	0	3	2	2	2
III-II	C312	Intellectual Property Rights									
III-II	C313	Telecommunication Switching Systems and Networks	3	1	2	1	3	2	2	2	2
III-II	C314	Microprocessors and Microcontrollers		3	3	3	3	3	3	3	3
III-II	C315	Computer Networks	3	2	3	2	1	1	2	2	2
III-II	C316	VLSI Design		3	3	3	3		3	3	3
III-II	C317	Microprocessors and Microcontrollers Lab							2	2	2
III-II	C318	Advanced Communication Skills Lab.							2	2	2
IV-I	C401	Management Science	3	3	3	3			3	3	3
IV-I	C402	Multimedia and Signal Coding	3	3	3	3	3		3	3	3



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IV-I	C403	Advanced Telecommunication Technologies	3	3		3	3	3	3	3	3
IV-I	C404	Electronic Measurements and Instrumentation			3	3	3	3	3	3	3
IV-I	C405	Digital Image Processing	3	2	1	1	3	2	2	2	2
IV-I	C406	Digital Signal Processors and Architectures									
IV-I	C407	Spread Spectrum Communications									
IV-I	C408	Optical Communications									
IV-I	C409	Digital Control Systems									
IV-I	C410	Embedded Systems Design	3	2	1	2			2	2	2
IV-I	C411	Computer Networks Lab							3	3	3
IV-I	C412	Advanced Telecommunications Lab.							3	3	3
IV-II	C413	Cellular and Mobile Communications		3	3	3	3	3	3	3	3
IV-II	C414	Satellite Communications	3	2	0	2	2	3	2	2	2
IV-II	C415	Microwave Engineering									
IV-II	C416	Network Security			3	3	3	3	3	3	3
IV-II	C417	Wireless Communication & Networks									
IV-II	C418	Radar Systems									
IV-II	C419	Pattern Recognition									
IV-II	C420	Internetworking			3	3	3	3	3	3	3
IV-II	C421	RF Circuit Design									
IV-II	C422	Industry Oriented Mini Project	3	3	3	3			3	3	3
IV-II	C423	Seminar		3	3	3			3	3	3
IV-II	C424	Project Work	3		3	3			3	3	3
IV-II	C425	Comprehensive Viva			3	3	3	3	3	3	3



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