

Manakula Vinayagar Institute of Technology
Department of Electronics and Communication Engineering
PO Attainment - Attained
Batch 2019-2023
REGULATION 2013-2014

Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C101	Mathematics – I	2.42	2.42	2.42									2.42		
C102	Physics	2.16	2.16	0.72			0.72	0.58					2.16		
C103	Chemistry	2.96	2.96				1.97	0.99					1.71		
C104	Basic Civil and Mechanical Engineering	1.48					0.24	1.23					0.98		
C105	Engineering Mechanics	2.22	2.22		2.22		0.74				1.48		1.48		
C106	Communicative English								3	3	3		3		
C107	Physics lab	2.44			2.44		2.44	2.44		2.44	2.44		2.44		
C108	Chemistry lab	2.44					2.44	2.44		2.44	2.44		2.44		
C109	Workshop Practice			2.44											
C110	Mathematics – II	2.96	2.96	2.96			0.99								
C111	Material Science	2.17	2.17			1.44	1.44								
C112	Environmental Science	1.99				2.99	2.99								
C113	Basic Electrical and Electronics Engineering	2.33	1.33		2										
C114	Engineering Thermodynamics	2.22	2.22												
C115	Computer Programming	2.58	1.84	1.38	1.98	1.98		0.99		1.98					
C116	Computer Programming Lab	2.85	2.85	2.85	2.85	2.85			2.85						
C11	Engineering Graphics	2.96	2.96												
C118	Basic Electrical & Electronics Lab	2.96	2.96			2.96	2.96		2.96	2.96					
C119	NSS / NCC *	3			3	3	3	3	3	3					
C201	Mathematics-III	2.73	1.96	1.96	0.91		1.1								
C202	Electrical Engineering	2.97					1.97		0.99		0.99	2.97	2.97		
C203	Data Structures and Object Oriented Programming	2.81	1.87			1.87							0.94	0.94	
C204	Electronic Devices and Circuits	2.93	2.15	1.37	0.98					0.98				0.98	0.98
C205	Circuit Theory	2.93	2.15	1.37	0.98					0.98				0.98	0.98
C206	Engineering Electromagnetics	2.65	1.75	1.75		0.8	0.26		0.8				0.87		
C207	Electrical Engineering Lab	2.96				2.96				1.97	1.97				1.97
C208	Data Structures and Object Oriented Programming I	2.3	1.95	1.4		2.86					2.4			2.2	
C209	Electronic Devices and Circuits Lab	2.92	2.42	2.92	2.92							0.97	0.97	2.92	
C210	Mathematics-IV	2.68	1.25			0.7									
C211	Electronic Circuits and Analysis	2.8	2.8	1.67	2.8							1.5	0.68	2.8	1.79

C212	Signals and Systems	2.71	1.4	0.32		0.38			0.1		0.39		0.52		
C213	Linear and Digital Control Systems	0.44	2.8	1.4		0.18								0.94	
C214	Digital Circuits	2.36	0.98	0.39	0.2	0.59								0.2	0.99
C215	Electronic Communication Systems	2.49	0.84			0.34			1.17		0.19	0.68	0.17	2.49	0.84
C216	Electronic Circuits Design Laboratory	2.93	1.95								1.97			2.96	
C217	Digital Circuits Laboratory	2.63	1.96	1.58		2.86					2.68			2.58	
C218	Communication Laboratory-I	2.95	1.31	0.98		0.49					0.65			1.31	0.32
C301	Probability and Random Processes	2.75	1.83	1.83	1.83						0.73		2.73		
C302	Data Communication Networks	2.5	2	0.56		0.73				0.65	0.53				0.17
C303	Microprocessors and Microcontrollers	1.46	1.3	0.65		0.32		0.32							
C304	System Design using Integrated Circuits	2.33	1.67	0.50		0.96							0.84	0.84	
C305	Transmission Lines and Waveguides	2.66	1.89	0.8		0.17				0.44	0.35				0.8
C306	Consumer Electronics	1.9	1.59	1.2		0.19		0.35		0.18	0.38		0.36		
C307	Microprocessor and Microcontroller Lab	2.91	1.28	0.64		0.96					0.98			0.89	
C308	System Design using ICs Laboratory	2.84	0.97			1.92					0.96			1.9	
C309	Networks and Transmission Lines Lab	2.96	1.31				0.98				0.98				1.97
C310	General Proficiency -I									2.31	2.48		2.76		
C311	Digital Communication	1.21	0.86	0.52		0.52					0.86		2.59		2.59
C312	Wireless Communication	1.58	1.1	0.58	0.32	0.49	0.54	0.51	0.34	0.47	0.54	0.4	0.56		0.47
C313	Digital Signal Processing	2.67	1.39			0.7									0.35
C314	Antennas and Wave Propagation	2.11	1.15	0.29	0.46	0.39			0.8	0.46				0.56	1.5
C315	VLSI Design	2.52	0.39			0.39	0.2			0.2			0.78	0.78	
C316	Communication Lab – II	2.96	1.97	0.49							2.96				2.96
C317	Computer Networks Lab	2.95	1.96	1.96	1.96	2.95						0.98	0.98		1.96
C318	Digital Signal Processing Laboratory	2.94				2.94				1.96	1.96				1.96
C319	General Proficiency – II									2.39	2.37		2.81		
C401	Microwave and Optical Engineering	1.63	1.46	0.76		0.35		0.35	0.56						
C402	Embedded Systems	2.2	1.84	0.39		0.35		0.36			0.56		0.75	0.37	
C403	Digital Image Processing	2.73	2.73	2.73									0.91	2.73	2.73
C404	Medical Electronics	1.6	1.44	0.75		0.37		0.32	0.56						
C405	Communication Lab - III	2.93	1.95	0.48							1.47	1.47			1.47
C406	Embedded Systems Lab	2.95	1.97	1.97		2.95					0.5	0.5		1.48	1.48
C407	Seminar	2.51	2.48			1.6			1.63	2.29	2.34		1.58		
C408	Training /Industrial Visit	2.8						2.79	1.91	1.89	1.88		2.89		
C409	Project work-I	2.74	2.54	2.26		2.19		1.93		2.54	2.32	2.64			
C410	Professional Ethics								2.86						
C411	Industrial Management and Engineering Economics	2.94					1.98		0.99		0.99	2.95	2.97		

C412	Cellular Mobile Communication	2.19	0.9	0.36	0.18	0.72								2.74	
C413	Satellite Communication System	1.57				0.32	0.57						0.11		1.7
C414	Advanced Communication Lab	2.14	0.71			0.22			0.71	0.71	0.71		0.71		0.71
C415	Comprehensive Viva	2.62	1.65								1.57		0.79		
C416	Project Work-II	2.62	2.62	2.37		2.6		2.51		2.64	2.71	2.63	2.57		
	Guest Lectures	2.42		2.31	2.47	2.43			2.42			2.36	2.34	2.43	2.38
	Workshops	2.49	2.47	2.46	2.58	2.46								2.45	2.50
	Industrial Visits	2.56	2.50		2.50	2.63	2.66	2.66				2.66		2.63	2.50
	Mini Projects	3	3	3	3	3			3	3	3	3	3	3	
	Value added Courses	2.51	2.52	2.51		2.51								2.48	2.50
	Average of PO's	2.50	1.90	1.45	1.84	1.47	1.51	1.40	1.61	1.75	1.52	1.84	1.62	1.79	1.56

Indirect Attainment

Program Exit Survey	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
Alumni survey	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Average Indirect attainment	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2	2.5

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Target	2.30	1.93	1.67	1.85	1.66	1.66	1.65	1.69	1.81	1.67	1.85	1.72	1.83	1.69
PO Attainment (80% Direct + 20% Indirect)	2.50	2.02	1.66	1.97	1.68	1.71	1.62	1.79	1.90	1.72	1.97	1.80	1.83	1.75

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