

**THIAGARAJAR COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**PERCENTAGE OF REVISION OF B.E. ELECTRONICS AND COMMUNICATION ENGINEERING CURRICULUM 2014-2015**

Curriculum 2013-14						Curriculum 2014-15	
SL NO.	Course Name	Course Code	Change Details	% change	Weightage	Course Name	Course Code
1	Engineering Mathematics-1	H11		10	0.1	Engineering Mathematics - I	14MA110
2	Physics	H12		10	0.1	Physics	14PH120
3	Chemistry	H13		10	0.1	Chemistry	14CH130
4	English	H14		10	0.1	English	14EG140
5	Basics of Mechanical and Civil Engineering	H15		10	0.1	Basics of Civil and Mechanical Engineering	14ES150
6	Basics of Electrical and Electronics Engineering	H16		10	0.1	Basics of Electrical and Electronics Engineering	14ES160
7	Physics Lab	H17		10	0.1	Physics Laboratory	14PH180
8	Chemistry Lab	H18		10	0.1	Chemistry Laboratory	14CH190
9	Engineering Graphics	H19		10	0.1	Engineering Graphics	14ME170
10	Engineering Mathematics–2	D21		10	0.1	Engineering Mathematics II	14EC210
11	Computers and Programming	D24		10	0.1	Problem Solving using Computers	14EC320
12	Materials Science	D25		10	0.1	Materials Science	14EC240
13	Ecology	D26		10	0.1	Environment Science	14EC250
14	Computer Programming Lab.	D28		10	0.1	Computer Programming Laboratory	14EC380
15	Workshop	D29	dropped/new	100	1	Workshop	14EC290
16	Engineering Mathematics–3	D31		20	0.2	Partial Differential Equations and Linear Algebra	14EC310
17	Data Structures	D35		20	0.2	Data Structures and Algorithms	14ECPE0
18	Engineering Mathematics-4	D41	dropped	0	0		

19	Professional Communications	D49		20	0.2	Professional Communication	14EC670
20	Numerical Methods	D51		10	0.1	Numerical Methods and Optimization	14EC410
21	Management Theory and Practice	D61		10	0.1	Management Theory and Practice	14EC610
22	Linear Networks	D22		10	0.1	Passive Network Analysis and Synthesis	14EC220
23	Basics of Digital Systems	D23		5	0.05	Digital Logic Circuit Design	14EC270
24	Digital Systems Lab	D27		5	0.05	Digital Logic Circuit Design	14EC270
25	Analog Circuits and Systems	D32		20	0.2	Electronic Circuit Design	14EC330
26	Signal Processing	D33		10	0.1	Signal Processing	14EC440
27	Analog Communication Systems	D34		10	0.1	Analog and Digital Communication Systems	14EC540
28	Microprocessors	D36		10	0.1	Microprocessor Architecture and Programming	14EC370
29	Analog Circuits and Systems Lab	D37		20	0.2	Electronic Circuit Design Lab	14EC390
30	Analog Communication Lab	D38		10	0.1	Analog and Digital Communication Lab	14EC590
31	Designing with CPLDs and FPGAs	D42	dropped	0	0		
32	Mixed Signal Circuits and Interfacing	D43		0	0	Mixed Signal Integrated Circuits	14ECPW0
33	Digital Communication Systems	D44		10	0.1	Analog and Digital Communication Systems	14EC540
34	Electromagnetics Field Theory	D45		10	0.1	Electromagnetics	14EC350
35	Mixed Signal Circuits and Interfacing Lab	D47	dropped	0	0		
36	Digital Communication Lab	D48		10	0.1	Analog and Digital Communication Lab	14EC590
37	CMOS VLSI Systems	D52		5	0.05	Digital CMOS Systems	14EC520
38	Microcontrollers	D53		5	0.05	Microcontrollers	14EC420
39	Wireless Communication Systems	D54		10	0.1	Wireless Communication Systems	14EC620
40	Antenna and Wave Propagation	D55		10	0.1	Antenna and Wave Propagation	15EC630

41	Data Communication Networks	D56		10	0.1	Data Communication Networks	14EC510
42	Microprocessor and Microcontroller Lab	D58		10	0.1	Microcontroller Lab	14EC480
43	Digital Communication Lab+B66	D57		10	0.1	Signal Processing Lab	14EC490
44	High Performance Communication Networks	D62	dropped	0	0		
45	Digital Image Processing	D63		20	0.2	Image Processing	14EC570
46	RF and Microwave Engineering	D64	dropped	0	0		
47	Networking Lab	D67		10	0.1	Data Communication Networking Lab	14EC580
48	RF Circuits Lab	D68	dropped	0	0		
49	Accounting and Finance	D71		5	0.05	Accounting and Finance	14EC710
50	RF Wireless Systems	D72	dropped	0	0		
51	RF and Image Processing Lab	D77	dropped	0	0		
52	Project	D78	dropped	0	0		
53	Project	D88		0	0	Project	14EC880
54	Statistical Signal Processing	DCA	dropped	0	0		
55	Advanced Digital Systems	DCB	dropped	0	0		
56	Digital Signal Processor	DCC		10	0.1	DSP Architecture and Programming	14ECPA0
57	Optical Communication Networks	DCD		5	0.05	Optical Communication Networks	14EC720
58	ASIC Design	DCE		10	0.1	ASIC Design	14EC770
59	Antennas for Wireless Communication	DCF	dropped	0	0		
60	Design of Power Supplies	DCG	dropped	0	0		
61	Embedded Systems	DCH		5	0.05	Embedded System Design	14ECPB0
62	MIMO Wireless Communication Systems	DCJ	dropped	0	0		
63	Communication Network Security	DCK		5	0.05	Network Security	14ECPK0
64	Real Time Operating Systems	DCL		5	0.05	Real Time System Design	14ECPF0
65	Low Power VLSI Systems	DCM		5	0.05	Low Power VLSI Systems	14ECPM0

66	DSP with FPGA	DCN	Dropped	0	0		
67	Data Compression	DCO		5	0.05	Data Compression	14ECRD0
68	Microelectronics	DCP	dropped	0	0		
69	Digital Video Systems	DCQ		5	0.05	Digital Video Processing	14ECPP0
70	Satellite Image Analysis	DCR		5	0.05	Satellite Image Analysis	14ECRC0
71	Optimum Signal Processing	DCS	dropped	0	0		
72	Radio frequency Integrated Circuits	DCT		5	0.05	Radio Frequency Integrated Circuits	14ECPT0
73	Satellite Remote Sensing	DCU		5	0.05	Satellite Remote Sensing	14ECPR0
74	Biomedical Instrumentation	DCV		5	0.05	Bio-Medical Instrumentation	14ECPJ0
75	Control Systems	DCW		10	0.1	Control Systems	14ECPD0
76	Consumer Electronics	DGA		5	0.05	Consumer Electronics	14ECGA0
77	Multimedia Systems	DGB		5	0.05	Multimedia Systems	14ECGB0
78	Telecom Systems	DGC		5	0.05	Telecom Systems	14ECGC0
79	Image Processing and Applications	DGD		5	0.05	Imaging and Application	14ECGD0
80	Global Positioning Systems	D1A	dropped	0	0		
81	VLSI Implementation of Communication Transceivers	D1B	dropped	0	0		
82	Introduction to High Speed Signaling	D1C	dropped	0	0		
83	Systems Engineering	DID	dropped	0	0		
84			New Course	100	1	Semiconductor Devices	14EC230
85			New Course	100	1	Circuit and Devices Lab	14EC280
86			New Course	100	1	Signals and Systems	14EC340
87			New Course	100	1	RF Transmission Lines and Waveguides	14EC430
88			Revised	30	0.3	RF Transmission Lines and Passive Circuits	15EC430
89			Revised	10	0.1	RF Transmission Lines and Passive Circuits	15EC431
90			New Course	100	1	Engineering by Design	14EC450

91			New Course	100	1	Active Circuits Analysis and Synthesis	14EC470
92			New Course	100	1	Capstone I	14EC4C0
93			Revised	30	0.3	Capstone I	14EC4C1
94			Revised	20	0.2	Capstone I	14EC4C2
95			New Course	100	1	RF Active Circuits	15EC530
96			Revised	10	0.1	RF Active Circuits	15EC531
98			New Course	100	1	Microwave and Antenna Lab	14EC680
99			New Course	100	1	System Design and Testing Lab	14EC690
100			New Course	100	1	Elective Lab	14EC780
101			New Course	100	1	Capstone II	14EC7C0
102			New Course	100	1	Digital System Design using FPGA	14ECPC0
103			New Course	100	1	Statistical Signal Processing	14ECPG0
104			New Course	100	1	Radar Systems	14ECPH0
105			New Course	100	1	Software Defined and Cognitive Radio Networks	14ECPLO
106			New Course	100	1	VLSI Device Modeling	14ECPN0
107			New Course	100	1	Medical Imaging and Processing	14ECPQ0
108			New Course	100	1	Internet of Things	14ECP50
109			New Course	100	1	RF System Design and Measurements	14ECPU0
110			New Course	100	1	Physical Layer LTE System	14ECPV0
111			New Course	100	1	Electrical and Electronic Measurement	14ECPY0
112			New Course	100	1	Speech Signal Processing	14ECPZ0
113			New Course	100	1	Audio Signal Processing	14ECRA0
114			New Course	100	1	Computer Vision and Applications	14ECRB0
115			New Course	100	1	Electromagnetic Interference and Compatibility	14ECRE0
116			New Course	100	1	RF MEMS	14ECRF0

117			New Course	100	1	Planar Antennas for Wireless Applications	14ECRG0
118			New Course	100	1	Wireless Technologies with Mobile Internet	14ECRH0
119			New Course	100	1	Adhoc and Sensor Networks	14ECRJ0
120			New Course	100	1	Cooperative Communication Networks	14ECRK0
121			New Course	100	1	CAD for VLSI	14ECRL0
122			New Course	100	1	Image Analysis and Visualization	14ECRM0
123			New Course	100	1	Device Characterization	14EC2A0
124			New Course	100	1	Semiconductor Modeling	14EC2B0
125			New Course	100	1	RF Design and Measurement Tools	14EC2C0
			New Course	100	1	Graph Theory	14MAFA0
			New Course	100	1	Fuzzy Sets and Clustering	14MAFB0
			New Course	100	1	Number Theory	14MAFC0
			New Course	100	1	Mathematical Techniques	14MAFE0
			New Course	100	1	Smart Materials for Engineers	14PHFA0
			New Course	100	1	Thin Film Technology	14PHFB0
			New Course	100	1	Nanotechnology	14PHFC0
			New Course	100	1	Biology for Engineers	14CHFA1
			New Course	100	1	Chemistry of Engineering Materials	14CHFB0
			New Course	100	1	Battery Technologies	14CHFC0
			New Course	100	1	Mathematical Aptitude Methods	14MAFD0
			New Course	100	1	Quantum Computing	14PHFD0
			New Course	100	1	Corrosion Science and Engineering	14CHFD0
					56.5		
			<b>Percentage</b>		<b>68.07</b>		