



# ADHIYAMAAN COLLEGE OF ENGINEERING

(Autonomous)

Affiliated to Anna University – Chennai & Approved by AICTE – New Delhi.

Accredited by NAAC & NBA - UGC, New Delhi


## 1.1.2 - Number of Programmes where syllabus revision was carried out during the last five years

### B.E – ELECTRONICS AND COMMUNICATION ENGINEERING

R-2015 vs R-2018

Sl. No	Course Code	Course Name	% of Change	Weightage
1	118ENT01	Technical English	50	0.5
2	118MAT02	Engineering Mathematics-I	20	0.2
3	118PHT03	Engineering Physics	10	0.1
4	118CYT04	Engineering Chemistry	20	0.2
5	118ESE06	Basic Electrical Electronics and Instrumentation	100	1
6	118PPT05	Problem Solving and Python Programming	100	1
7	118PPP08	Problem Solving and Python Programming Lab	100	1
8	218ENT01	Communicative English	90	0.9
9	218MAT02	Engineering Mathematics-II	20	0.2
10	218GET03	Environmental Science and Engineering	20	0.2
11	218BSE08	Physics for Electronics Engineering	100	1
12	318MAT01	Engineering Mathematics-III	20	0.2
13	318ECT03	Fundamentals of Data Structures in C	40	0.4
14	318ECT04	Analog Electronics - I	5	0.05
15	318ECP07	Fundamentals of Data Structures in C Lab	40	0.4
16	318ECP08	Analog Electronics –I Laboratory	10	0.1
17	318ECP09	Digital Electronics Laboratory	10	0.1
18	418PRT01	Probability and Random Processes	5	0.05
19	418ECT03	Linear Integrated Circuits	8	0.08
20	418ECT04	Analog Electronics -II	15	0.15
21	418ECT02	Electrical Engineering and Instrumentation	20	0.2
22	418ECP08	Linear Integrated Circuit Laboratory	15	0.15
23	418ECP09	Analog Electronics-II Laboratory	10	0.1
24	418ECE02	Consumer Electronics	5	0.05
25	418ECE05	PCB Design	5	0.05
26	418CIT02	Operating Systems	15	0.15
27	418EIT04	Transducers Engineering	100	1
28	518EIE05	Smart Sensors	100	1
29	318CIT05	Java Programming	10	0.1
30	X18MCTO1	Indian Constitution	100	1
31	618ECT02	VLSI Design	20	0.2

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Sl. No	Course Code	Course Name	% of Change	Weightage
32	618ECT03	Cellular and Mobile Communication	10	0.1
33	618ECE01	Digital Image Processing	10	0.1
34	618ECE03	Digital System Design using VHDL	15	0.15
35	618ECE04	Information Theory Coding	10	0.1
36	618ECE05	Soft Computing and Applications	100	1
37	618ECE06	Speech Processing	100	1
38	618ECP08	VLSI Design Laboratory	30	0.3
39	618ECP07	Digital Communication Systems Laboratory	30	0.3
40	618ECE02	Robotics Engineering	100	1
41	618ITT02	Cryptography and Security in Computing	100	1
42	118BAT03	Professional Ethics and Human Values	60	0.6
43	118BAE02	Intellectual Property Rights	100	1
44	718CST03	Cloud Computing	100	1
45	718CSE04	Internet of Things	100	1
46	718ECT01	Adhoc and Wireless Sensor Networks	100	1
47	718ECT02	Optical Communication	40	0.4
48	718ECT03	Antenna and Microwave Engineering	50	0.5
49	718ECT04	Embedded Systems	30	0.3
50	718ECP09	Employability and Entrepreneurship	100	1
51	718ECE01	Advanced Digital Signal Processing	5	0.05
52	718ECE02	RF System Design	5	0.05
53	718ECE03	Multimedia Compression Techniques	100	1
54	718ECE04	Nano Technology	100	1
55	718ECE06	Optical Networks	100	1
56	718ECE07	Cognitive Radio	100	1
57	718ECE08	Wireless Networks	2	0.02
58	718ECE11	Detection and Estimation Theory	100	1
59	718ECE12	CMOS Analog IC Design	100	1
60	818ECE02	ARM System Architecture and applications	15	0.15
61	818ECE03	Radar and Navigational Aids	3	0.03
62	818ECE04	Parallel and Distributed Processing	100	1
63	818ECE05	Compressive sensing	100	1
64	818ECE06	MEMS and NEMS	100	1
65	818ECE08	Satellite Communication	10	0.1
66	818ECE11	Advanced Wireless Communication	100	1
67	818ECE12	DSP Architecture and Programming	100	1
<b>Total Weightage</b>				<b>35.08</b>
<b>(Total weightage of R2015 vs R2018/ No. of courses in R2018) *100 =35.08 / 108*100 = 32.48</b>				
<b>Total Change % = 32.48%</b>				

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