

**K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM – 630 612**

**(An Autonomous Institution, Affiliated to Anna University)**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**CAY2019-20 Content Beyond Syllabus ECE**

<b>Sl. No</b>	<b>Gap</b>	<b>Action taken</b>	<b>Date- Month- Year</b>	<b>Resource Person with designation</b>	<b>% of Students</b>	<b>Relevance to POs, PSOs</b>
1.	Non-homogeneous PDE (MA8352-Linear Algebra and Partial Differential Equations)	Lecture	18.9.19 20.9.19	Ms.R.Kalaiselvi, AP/Maths  Mr.V.Ananth, AP/Maths	90  90	PO1,PO2,PO3
2.	Algorithm Design Techniques(EC8393-Fundamentals of Datastructures in C)	Lecture	25.09.2019 24.09.2019	Ms.A.Meena, AP/ECE  Ms.A.Meena, AP/ECE	100  100	PO1,PO2,PO3,PO8,P O9,PSO3
3.	CCD and CMOS sensor technology(EC-8351-Electronic circuits-I)	Lecture	19.09.2019 18. 09.2019	Mr.P.SenthilBabu, ASP/ECE Dr.P.Karpagavalli, ASP/ECE	95  97	PO1,PO2,PO3,PO8,P O9,PSO1
4.	Introduction to DFT(EC8352-Signals and Systems)	Lecture	30.9.19 3.10.19	Ms.R.Pavithra, AP/ECE  Dr.S.Subha, AP/ECE	96.42  86.66	PO1,PO2,PO3,PO8,P O9,PSO2
5.	Design of 4 bit computer system(EC8392-Digital Electronics)	Lecture	03.10.2019 01.10.2019	Ms.T.Vidhya, AP/ECE  Ms.T.R.Muthu, AP/ECE	90  100	PO1,PO2,PO3,PO4,P O5,PO8,PO9,PSO1
6.	Lyapunov stability(EC8391-Control System Engineering)	Lecture	19.9.19 9.10.19	Ms.L.Meenakshi, AP/ECE  Ms.P.Selvi, AP/ECE	100  93	PO1,PO2,PO3,PO8, PO9,PO10, PSO1
7.	Programs involving Preprocessor Directives(EC8381-Fundamentals of Datastructures in C laboratory)	Conduct of experiment	30.9.2019	Ms.A.Meena, AP/ECE / V.Muthuganesh, AP/ECE	100	PO1,PO2,PO3,PO8,P O9,PO10,PSO3
8.	VHDL Programs(EC8361-Analog and Digital Circuits Laboratory) Design and simulation of combinational circuits using verilog HDL	Conduct of experiment	23.9.2019 17.10.19	Mr.P.SenthilBabu, ASP/ECE / Ms.T.Vidhya, AP/ECE Dr.P.Karpagavalli, ASP/ECE/ Ms.T.R.Muthu, AP/ECE	95  95	PO1,PO2,PO3,PO5,P O8,PO9,PO10,PSO1
9.	Trellis code (EC8501-Digital Communication)	Lecture	26.9.19 26.9.19 26.9.19	Ms.K.R.Shanthy, ASP/ECE  Dr.R.Jeyanthi, Prof/ECE  Dr.R.Jeyanthi Prof/ECE	95  96  95	PO1,PO2,PO3,PO10, PSO2

10.	Video Codec(EC8553-Discrete Time Signal Processing)	Lecture	3.10.19 30.09.19 1.10.19	Dr.S.Subha, AP/ECE Ms.R.Thilagavathy, AP/ECE Ms.R.Pavithra, AP/ECE	97.3 65.71 93.93	PO1,PO2,PO8,PO9, PO10,PSO2
11.	Intel pentium 4(EC8552-Computer Architecture and Organization)	Lecture	9.10.19 24.9.19 19.9.19	Mr.S.Ravisankar, AP/ECE Mr.S.Ravisankar, AP/ECE Dr.V.Kejalakshmi, Prof & Head/ECE	89 100 100	PO1,PO2, PO10,PSO3
12.	Network Security(EC8551-Communication Networks)	Lecture	24/09/19 25.9.2019 28/09/2019	Mr.P.S.Kumaresh, AP/ECE Dr.R.Mohankumar, ASP/ECE Mr.S.R.Naresh, ASP/ECE	95 100 93.93	PO1, PO2, PO8, PO9, PSO2
13.	Introduction to body area network, wearable sensors for health care system. ( EC8073-Medical Electronics)	Lecture	24.09.19	Mr.S.Selvakumar, AP/ECE	92	PO1,PO2,PO8,PO9, PO10, PSO1
14.	Business Ethics(GE8077-Total Quality Management)	Lecture	24/09/19	Mr.P.S.Kumaresh, AP/ECE	95	PO1,PO2,PO8, PO9
15.	Amazon Web Services (AWS) Certification Program(OIT552-Cloud Computing)	Lecture	12/09/2019 26.09.2019	Dr.N.Janakiraman, Prof/ECE Dr.R.Mohankumar, ASP/ECE	86.48 98	PO1,PO2,PO3,PO 4,PO10,PO12, PSO3
16.	DTMF generation and decoding(EC8562-Digital signal processing Laboratory)	Conduct of experiment	30.9.19 24.09.19 05.10.19	Dr.S.Subha, AP/ECE Ms.R.Thilagavathy, AP/ECE	83.78 97.14 96.96	PO1,PO2,PO3, PO4, PO5,PO8,PO9, PO10,PSO2
17.	Equalization – Zero Forcing & LMS algorithms (simulation)( EC8561-Communication Systems Laboratory)	Conduct of experiment	23.09.19	K.R.Shanthy, ASP/ECE P.Selvi, AP/ECE Ms.R.Thilagavathy, AP/ECE	86	PO1,PO2,PO3,PO5, PO8,PO9,PO10, PSO2
18.	Study of NS2 & simulation of congestion control algorithm using NS2(EC8563-Communication Networks Laboratory)	Conduct of experiment	26.9.19 24/9/2019	Mr.P.S.Kumaresh, AP/ECE Dr.R.Mohankumar, ASP/ECE Mr.S.R.Naresh, ASP/ECE	100 100 100	PO1,PO2,PO3,PO5, PO8,PO9,PO10, PSO2
19.	RADAR operation types(EC6701-RF and Microwave Engineering)	Lecture	27.09.2019 17.09.2019 3.10.2019	Mr.A.Anandhan, AP/ECE Ms.L.Meenakshi, AP/ECE Mr.A.Anandhan, APECE	100 100 97	PO1,PO2,PO3,PO5, PO6,PO7,PSO1, PSO2

20.	Fiber in local loop(EC6702-Optical Communication and Networks)	Lecture	17.09.2019 17.09.2019 17.09.2019	Ms.R.Arunchithra, AP/ECE  Ms.R.Arunchithra, AP/ECE  Dr.S.C.Sivaprakash, Prof/ECE	95 93 93	PO1,PO2,PO3,PO4,P O6,PO7,PO8,PO11,P O12,PSO1,PSO2,PSO 3
21.	Home Security Systems(EC6703-Embedded and Real time systems)	Lecture	5.09.2019 23.09.2019 9.09.2019	Mr.D.Anand, AP/ECE  Dr.N.Janakiraman, Prof/ECE  Mr.V.Muthuganesh, AP/ECE	90 86.48 100	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 12,PSO1,PSO2, PSO3
22.	Applications of pattern Recognition(IT6005-Digital image processing)	Lecture	13.09.19 16.09.19 18.09.19	K.R.Shanthy, ASP/ECE  Dr.P.Karpagavalli, ASP/ECE  Ms.P..Selvi, AP/ECE	93 93 94	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 12,PSO1,PSO2, PSO3
23.	Parallel IO and Network services(EC6009-Advanced Computer Architecture)	Lecture	18.09.2019 12.09.2019 16.09.2019	Ms.M.Amudha, AP/ECE  Ms.M.Amudha, AP/ECE  Mr.S.R.Naresh, ASP/ECE	96 96 96	PO1,PO2,PO3,PO6,P O7,PO8,PO12, PSO1,PSO2
24.	Guided Missiles(EC6015-Radar and Navigational Aids)	Lecture	20.09.2019 30.09.2019 10.10.2019	Mr.S.Selvakumar, AP/ECE  Mr.P.SenthilBabu, ASP/ECE  Ms. T.R.Muthu, AP/ECE	95 86.5 90	PO1,PO2,PO3,PO4,P O5,PSO1
25.	S-parameter measurement of microstrip LPF using VNA(EC6712-Optical and Microwave lab)	Conduct of experiment	B1- 23.9.2019, B2- 24.9.2019	Mr.A.Anandhan, AP/ECE  Ms.R.Arunchithra, AP/ECE  Dr.S.C.Sivaprakash, Prof/ECE	B1-96, B2-100	PO1,PO2,PO3,PO6, PO12,PSO1, PSO3
26.	Case Study on RTLinux and Mucos –II Rtos(EC6711-Embedded laboratory)	Conduct of experiment	B1 - 18.9.19 and B2 - 23.9.19 B1 - 24.9.19 and B2 - 24.9.19 B1 - 12.9.19 and B2 - 23.9.19	Mr.D.Anand, AP/ECE  Mr.S.Selvakumar, AP/ECE  Dr.N.Janakiraman, Prof/ECE	B1 - 100 and B2 – 95  B1 - 89.47 and B2 – 100  B1 - 100 and B2 - 95	PO1,PO2,PO3,PO4, PO6,PO7,PO8,PO10, PO11,PO12,PSO1, PSO2,PSO3
27.	correlation and regression of independent data Cross spectral density (MA8451-Probability and Random Process)	Lecture	7.2.20 6.3.20	Dr.S.Sabarinathan, ASP/Maths  Mr.V.Ananth, AP/Maths	94 96	PO1,PO2,PO3

28.	FINFET device Technology EC8452-Electronic Circuits II	Lecture	13.3.20 10.3.20	Dr.S.Subha, AP/ECE  Mr.S.Ravisankar, AP/ECE	96  84	PO1,PO2,PO8,PO9, PO10, PSO1
29.	Spread Spectrum modulation EC8491-Communication Theory	Lecture	13.3.20 11.3.20	Ms.K.R.Shanthy, AP/ECE  Ms.R.Thilagavathy, AP/ECE	96  97	PO1,PO2,PSO2
30.	Realize Electrostatic field using MATLAB Ec8451-Electromagnetic Fields	Lecture	3.2.20 31.1.20	Dr.B.Buvaneswari, ASP/ECE Ms.T.R.Muthu, AP/ECE	96  100	PO1,PO2, PO3, PO5, PO8, PO9, PSO2
31.	Applications of IC555 & IC723 EC8453-Linear Integrated Circuits	Lecture	14.3.2020 14.3.2020	Ms.R.Pavithra, AP/ECE  Dr.S.Subha, AP/ECE	75  96	PO1,PO2,PO3,PO8, PO9,PO10,PSO1
32.	FM Transmitter EC8461-Circuits design and simulation lab	Conduct of experiment	batch1: 23.3.20 & batch2: 19.3.20  14.3.2020	Mr.S.Selvakumar, AP/ECE  Mr.S.Ravisankar, AP/ECE	79  80	PO1,PO2,PO3,PO5,PO8, PO9,PO10,PSO1
33.	(Simulation using NIELVIS- Measuring the OP Amp frequency characteristics EC8462-Linear integrated circuits Lab	Conduct of experiment	13.3.20 13.3.20	Ms.K.R.Shanthy, AP/ECE  Dr.S.Subha, AP/ECE	100	PO1,PO2,PO3,PO4,PO5, PO8,PO9,PO10,PSO1
34.	Overview of MSP430 EC8691-Microprocessor and Microcontrollers	Lecture	16.03.20 25.03.20 07.04.20	Mr.D.Anand, AP/ECE  Ms.M.Amudha, AP/ECE  Ms.L.Meenakshi, AP/ECE	97  95  100	PO1,PO2,PO3,PO8,PO9, PO10, PSO3
35.	System On Chip EC8095-VLSI Design	Lecture	11.03.2020  11.03.2020  01.04.2020	Dr.B.Buvaneswari, ASP/ECE  Dr.N.Janakiraman, ASP/ECE Ms.M.Amudha, AP/ECE	100  93  95	PO1,PO2,PO3,PSO3
36.	MASSIVE MIMO EC8652-Wireless communication	Lecture	17.3,20 16. 03.20 17.3,20	Mr.P.S.Kumaresh, AP/ECE  Dr.P.Karpagavalli, ASP/ECE Dr.R.Jeyanthi, Prof/ECE	95  96  95	PO1,PO2,PSO2

37.	study of basics of microstrip lines, strip lines EC8651-Transmission lines and RF	Lecture	6.3.20 6.3.2020 4.3.20	Dr.S.C.Sivaprakash, Prof/ECE Mr.S.Selvakumar, AP/ECE  Dr.S.C.Sivaprakash, Prof/ECE	94 91 93	PO1,PO2,PO3,PO8,PO9, PSO2
38.	AODV protocol using NS2 EC8004-Wireless Networks	Lecture	19.3.20 16.3.20 13.3.20	Ms.A.Meena, AP/ECE  Dr.R.Mohankumar, ASP/ECE Mr.S.R.Naresh, ASP/ECE	97 100 93	PO1,PO2,PO8,PO9,PSO2
39.	Demo in Arduino Board EC8681--Microprocessor and Microcontrollers lab	Conduct of experiment	B1-23.03.2020 B2-26.03.2020 10.09.20 - B1 12.03.20- B2 B1-11.3.2020 B2-3.4.2020	Mr.D.Anand, AP/ECE  Dr.R.Mohankumar, ASP/ECE Ms.L.Meenakshi, AP/ECE	97	PO1,PO2,PO8,PO9,PO10, PSO3
40.	Back annotation process and ILA based testing for multiplier,LVS and XRC process EC8661-VLSI Design lab	Conduct of experiment	2.3.22  13.03.2020  11.03.2020	Dr.B.Buvaneswari, ASP/ECE  Dr.N.Janakiraman, Prof/ECE Ms.M.Amudha, AP/ECE	93	PO1,PO2,PO3,PO4,PO5, PO8,PO9,PO10,PSO3
41.	MASSIVE MIMO EC6801-Wireless Communication	Lecture	4.3.20 16.03.20 4.3.20	Dr.R.Jeyanthi, Prof/ECE Ms.R.Thilagavathy, AP/ECE  Ms.K.R.Shanthy, AP/ECE	95	PO1,PO2,PO3,PO4,PO5, PO6,PO7,PO11,PSO1, PSO2
42.	AODV protocol using NS2 EC6802-Wireless Networks	Lecture	16.3.2020 26.3.2020 03.3.20	Ms.A.Meena, AP/ECE  Ms.L.Meenakshi, AP/ECE  Dr.R.Mohankumar, ASP/ECE	97.5	PO1,PO2,PO3,PO4,PO5, PO6,PO7,PSO1,PSO2
43.	Ethical audit GE6075-Professional Ethics in Engineering	Lecture	10.3.2020 10.3.2020  5.3.20	Mr.S.Ravisankar, AP/ECE  Dr.V.Kejalakshmi, Prof & Head/ECE Ms.T.R.Muthu, AP/ECE	87.5	PO1,PO2,PO3,PO4,PO6, PO7,PO8,PO10,PO12, PSO1,PSO2,PSO3

44.	Business Ethics GE6757-Total Quality Management	Lecture	10.3.2020 10.3.2020 16/3/2020	Mr.P.S.Kumaresh, AP/ECE  Mr.D.Anand, AP/ECE  Mr.S.R.Naresh, ASP/ECE	95	PO1, PO3, PO4, PO6, PO7, PO8, PO9, PO12,PSO1, PSO2, PSO3
45.	UJT Characteristics EC8261- Circuits and Devices Lab	Conduct of experiment	13.4.22	Ms.R.Pavithra, AP/ECE  Dr.P. Karpagavalli, ASP/ECE	100	PO1,PO2,PO3,PO8,PO9, PO10,PSO1
46.	Telegens theorem EC8251-Circuit Analysis	Lecture	17.02.20 19.02.20	Ms.R.Pavithra, AP/ECE  Dr.P.Karpagavalli, ASP/ECE	98	PO1,PO2,PO3,PO10, PSO1