

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS): KURNOOL**Department of Electronics & Communication Engineering**

1.1.3 Courses focused on employability/ entrepreneurship/ skill development offered by the Institution during the year 2017-18

SCHEME-17					
S. No	Subject Code	Subject Name	Employability	Entrepreneurship	Skill development
1.	CS101	Computer Programming	√	√	√
2.	HU101	Professional Communication and English – I	√		√
3.	CS102	Computer Programming Lab	√	√	√
4.	BS104	Applied Physics Lab	√		√
5.	BS106	Engineering Chemistry Lab	√		√
6.	CS103	Data Structures	√		√
7.	HU102	Professional Communication and English – II			√
8.	EC101	Basic Electronics Engineering	√		√
9.	CS104	Data Structures Lab	√	√	√
10.	HU103	Phonetics & Communication Skills Lab			√
11.	ME102	Engineering Workshop			√
Scheme-13					
12.	EC201	Probability Theory and Stochastic Processes			√
13.	EC202	Electronic Devices and Circuits	√		√
14.	EC203	Signals and Systems			√
15.	EE210	Circuit Theory	√		
16.	ML201	Quantitative Aptitude			√
17.	EC204	Electronic Devices & Circuits Lab	√		√
18.	EC205	Basic Simulations Lab	√		
19.	EC206	Analog Electronic Circuits	√	√	
20.	EC207	Pulse & Digital Electronics	√		
21.	EC208	Networks & Transmission Lines	√		

22.	EC209	Electromagnetic waves	√		√
23.	EC210	Analog Electronic Circuits Lab	√		√
24.	EC211	Pulse & Digital Electronics Lab	√		√
25.	EE212	Electrical Circuits and Machines Lab	√		√
26.	EC301	Analog Communications	√		√
27.	EC302	Linear IC Applications	√	√	√
28.	EC303	Electronic Measurements and Instrumentation.	√		√
29.	EC304	Antennas and Wave Propagation	√		√
30.	EE316	Linear Control Systems			√
31.	EC305	Computer organization	√		√
32.	ML203	Business English & Technical Writing	√		√
33.	EC306	Analog Communications Lab	√		
34.	EC307	Linear IC Applications Lab	√	√	
35.	EC308	Microprocessors & Microcontrollers	√	√	
36.	EC309	Digital System Design using HDL	√		
37.	EC310	Digital Communications	√	√	
38.	EC311	Microwave Engineering	√	√	√
39.	EC312	Digital Signal Processing	√	√	√
40.	EC313	Digital Communications Lab	√		√
41.	EC314	Digital Signal Processing Lab	√		√
42.	EC315	Microprocessors & Microcontrollers Lab	√		√
43.	EC401	Microwave Engineering (MWE)	√		√
44.	EC402	Digital System Design using Verilog (DSDV)	√		√
45.	EC403	Microwave Communications Lab (MWC (P))	√		√
46.	EC404	Digital System Design Lab (DSD(P))	√		
47.	ECEL1	Python Programming	√	√	√

48.	ECEL2	Electronic Measurements & Instrumentation	√		√
49.	ECEL3	Advanced Computer Architectures	√		√
50.	ECEL4	Data Communications & Networking	√		√
51.	ECEL5	Analog VLSI	√		√
52.	ECEL6	Internet of Things	√	√	√
53.	ECEL7	Coding Techniques	√		√
54.	ECEL8	Embedded RTOS	√		√
55.	ECEL9	Digital Image Processing	√		√
56.	ECEL10	Fiber Optic Communications	√		√
57.	ECEL11	Advanced Digital signal processing	√		√
58.	ECEL12	Low Power VLSI	√		√
59.	ECEL13	Cellular & Mobile Communications	√		√
60.	ECEL14	VLSI Design for Testability	√		√
61.	ECEL15	Radar & Satellite Systems	√		√
62.	ECEL16	Wireless Communications	√		√
63.	ECEL17	FPGAs & ASIC Architectures and Applications	√		√
64.	ECEL18	Adaptive Signal Processing	√		√
65.	OE311	OOP through JAVA	√		√
66.	OE312	Ethical Hacking	√		√
67.	OE313	Principles of Programming Languages	√		√
68.	OE314	Advanced Information Systems	√		√
69.	OE315	Scientific Programming with Python	√	√	√
70.	OE316	Fuzzy Logic & Neural Networks	√	√	√
71.	OE317	Building Information Modeling	√	√	√
72.	OE318	Product Lifecycle Management	√	√	√
73.	ECOE1	Scripting Languages for VLSI	√	√	√
74.	ECOE2	Bio-Medical Electronics	√	√	√

75.	ECOE3	Distributed Embedded Systems	√	√	√
76.	ECOE4	VLSI Signal Processing	√	√	√
77.	ECOE5	Cognitive Radio	√		√
78.	ECOE6	Robotics and Automation	√	√	√

HOD ECE

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS): KURNOOL**Department of Electronics & Communication Engineering**

1.1.3 Courses focused on employability/ entrepreneurship/ skill development offered by the Institution during the year 2018-19

SCHEME-17					
S. No	Subject Code	Subject Name	Employability	Entrepreneurs hip	Skill development
1.	CS101	Computer Programming	√	√	√
2.	HU101	Professional Communication and English – I	√		√
3.	CS102	Computer Programming Lab	√	√	√
4.	BS104	Applied Physics Lab	√		√
5.	BS106	Engineering Chemistry Lab	√		√
6.	CS103	Data Structures	√		√
7.	HU102	Professional Communication and English – II			√
8.	EC101	Basic Electronics Engineering	√		√
9.	CS104	Data Structures Lab	√	√	√
10.	HU103	Phonetics & Communication Skills Lab			√
11.	ME102	Engineering Workshop			√
12.	EC201	Electronic Devices & Circuits (EDC)	√		√
13.	EC202	Digital System design (DSD)	√		√
14.	EC205	Electronic Devices & Circuits Lab (EDC(P))			√
15.	EC206	Basic Simulations Lab (BS(P))	√		√
16.	HU203	Advanced Communication Skills Lab (ACS(P))			√
17.	EC208	Electromagnetic waves (EMW)	√		
18.	HU204	Soft Skills Lab (SS(P))			√
19.	EC211	Analog Electronic Circuits Lab(AEC(P))			√
20.	EE212	Electrical Circuits and Machines Lab (ECM(P))	√		√
Scheme-13					
21.	EC301	Analog Communications	√		√
22.	EC302	Linear IC Applications	√	√	√
23.	EC303	Electronic Measurements and	√		√

		Instrumentation.			
24.	EC304	Antennas and Wave Propagation	√		√
25.	EE316	Linear Control Systems			√
26.	EC305	Computer organization	√		√
27.	ML203	Business English & Technical Writing	√		√
28.	EC306	Analog Communications Lab	√		
29.	EC307	Linear IC Applications Lab	√	√	
30.	EC308	Microprocessors & Microcontrollers	√	√	
31.	EC309	Digital System Design using HDL	√		
32.	EC310	Digital Communications	√	√	
33.	EC311	Microwave Engineering	√	√	√
34.	EC312	Digital Signal Processing	√	√	√
35.	EC313	Digital Communications Lab	√		√
36.	EC314	Digital Signal Processing Lab	√		√
37.	EC315	Microprocessors & Microcontrollers Lab	√		√
38.	EC401	Microwave Engineering (MWE)	√		√
39.	EC402	Digital System Design using Verilog (DSDV)	√		√
40.	EC403	Microwave Communications Lab (MWC (P))	√		√
41.	EC404	Digital System Design Lab (DSD(P))	√		
42.	ECEL1	Python Programming	√	√	√
43.	ECEL2	Electronic Measurements & Instrumentation	√		√
44.	ECEL3	Advanced Computer Architectures	√		√
45.	ECEL4	Data Communications & Networking	√		√
46.	ECEL5	Analog VLSI	√		√
47.	ECEL6	Internet of Things	√	√	√
48.	ECEL7	Coding Techniques	√		√
49.	ECEL8	Embedded RTOS	√		√
50.	ECEL9	Digital Image Processing	√		√
51.	ECEL10	Fiber Optic Communications	√		√
52.	ECEL11	Advanced Digital signal processing	√		√
53.	ECEL12	Low Power VLSI	√		√
54.	ECEL13	Cellular & Mobile Communications	√		√
55.	ECEL14	VLSI Design for Testability	√		√

56.	ECEL15	Radar &Satellite Systems	√		√
57.	ECEL16	Wireless Communications	√		√
58.	ECEL17	FPGAs & ASIC Architectures and Applications	√		√
59.	ECEL18	Adaptive Signal Processing	√		√
60.	OE311	OOP through JAVA	√		√
61.	OE312	Ethical Hacking	√		√
62.	OE313	Principles of Programming Languages	√		√
63.	OE314	Advanced Information Systems	√		√
64.	OE315	Scientific Programming with Python	√	√	√
65.	OE316	Fuzzy Logic & Neural Networks	√	√	√
66.	OE317	Building Information Modeling	√	√	√
67.	OE318	Product Lifecycle Management	√	√	√
68.	ECOE1	Scripting Languages for VLSI	√	√	√
69.	ECOE2	Bio-Medical Electronics	√	√	√
70.	ECOE3	Distributed Embedded Systems	√	√	√
71.	ECOE4	VLSI Signal Processing	√	√	√
72.	ECOE5	Cognitive Radio	√		√
73.	ECOE6	Robotics and Automation	√	√	√

HOD ECE

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS): KURNOOL**Department of Electronics & Communication Engineering**

1.1.3 Courses focused on employability/ entrepreneurship/ skill development offered by the Institution during the year 2019-20

SCHEME-17					
S. No	Subject Code	Subject Name	Employability	Entrepreneurs hip	Skill development
1.	CS101	Computer Programming	√	√	√
2.	HU101	Professional Communication and English – I			√
3.	CS102	Computer Programming Lab	√	√	√
4.	BS104	Applied Physics Lab			√
5.	BS106	Engineering Chemistry Lab			√
6.	CS103	Data Structures	√		√
7.	HU102	Professional Communication and English – II			√
8.	EC101	Basic Electronics Engineering	√		√
9.	CS104	Data Structures Lab	√	√	√
10.	HU103	Phonetics & Communication Skills Lab			√
11.	ME102	Engineering Workshop			√
12.	EC201	Electronic Devices & Circuits (EDC)	√		√
13.	EC202	Digital System design (DSD)	√		√
14.	EC205	Electronic Devices & Circuits Lab (EDC(P))			√
15.	EC206	Basic Simulations Lab (BS(P))	√		√
16.	HU203	Advanced Communication Skills Lab (ACS(P))			√
17.	EC208	Electromagnetic waves (EMW)	√		
18.	HU204	Soft Skills Lab (SS(P))			√
19.	EC211	Analog Electronic Circuits Lab(AEC(P))			√
20.	EE212	Electrical Circuits and Machines Lab (ECM(P))	√		√
21.	EC301	Analog and Digital Communications (ADCM)	√		√
22.	EC302	Microprocessors & Micro Controllers (MPMC)	√	√	√
23.	EC304	Linear IC Applications (LICA)	√		√

24.	EC303	Introduction to VLSI Design (IVLSID)	√		√
25.	ECEL2	Electronic Measurements & Instrumentation			√
26.	EC305	Analog and Digital Communication Lab (ADCM(P))	√		√
27.	EC307	Linear IC Applications Lab (LICA(P))	√		√
28.	EC306	Microprocessors & Micro Controllers Lab (MPMC(P))	√		√
29.	EC308	Embedded Systems and Programming (ESP)	√	√	√
30.	EC310	Antenna & Wave propagation (AWP)	√	√	√
31.	EE311	Linear Control Systems (LCS)	√		√
32.	EC309	Digital Signal Processing (DSP)	√	√	√
33.	ECEL6	Internet of Things(PE-II)	√	√	√
34.	EC312	VLSI & Embedded Systems Lab (VES(P))	√	√	√
35.	EC311	Digital Signal Processing Lab(DSP(P))	√		√
SCHEME-13					
36.	EC401	Microwave Engineering (MWE)	√		√
37.	EC402	Digital System Design using Verilog (DSDV)	√		√
38.	EC403	Microwave Communications Lab (MWC (P))	√		√
39.	EC404	Digital System Design Lab (DSD(P))	√		
40.	ECEL1	Python Programming	√	√	√
41.	ECEL2	Electronic Measurements & Instrumentation	√		√
42.	ECEL3	Advanced Computer Architectures	√		√
43.	ECEL4	Data Communications & Networking	√		√
44.	ECEL5	Analog VLSI	√		√
45.	ECEL6	Internet of Things	√	√	√
46.	ECEL7	Coding Techniques	√		√
47.	ECEL8	Embedded RTOS	√		√
48.	ECEL9	Digital Image Processing	√		√
49.	ECEL10	Fiber Optic Communications	√		√
50.	ECEL11	Advanced Digital signal processing	√		√
51.	ECEL12	Low Power VLSI	√		√
52.	ECEL13	Cellular & Mobile Communications	√		√
53.	ECEL14	VLSI Design for Testability	√		√
54.	ECEL15	Radar & Satellite Systems	√		√
55.	ECEL16	Wireless Communications	√		√

56.	ECEL17	FPGAs & ASIC Architectures and Applications	√		√
57.	ECEL18	Adaptive Signal Processing	√		√
58.	OE311	OOP through JAVA	√		√
59.	OE312	Ethical Hacking	√		√
60.	OE313	Principles of Programming Languages	√		√
61.	OE314	Advanced Information Systems	√		√
62.	OE315	Scientific Programming with Python	√	√	√
63.	OE316	Fuzzy Logic & Neural Networks	√	√	√
64.	OE317	Building Information Modeling	√	√	√
65.	OE318	Product Lifecycle Management	√	√	√
66.	ECOE1	Scripting Languages for VLSI	√	√	√
67.	ECOE2	Bio-Medical Electronics	√	√	√
68.	ECOE3	Distributed Embedded Systems	√	√	√
69.	ECOE4	VLSI Signal Processing	√	√	√
70.	ECOE5	Cognitive Radio	√		√
71.	ECOE6	Robotics and Automation	√	√	√

HOD ECE

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS): KURNOOL**Department of Electronics & Communication Engineering**

1.1.3 Courses focused on employability/ entrepreneurship/ skill development offered by the Institution during the year 2020-21

SCHEME-20					
S. No	Subject Code	Subject Name	Employability	Entrepreneurs hip	Skill development
1.	BS102	Differential Equations and Linear Algebra	√		√
2.	CS101	Programming for Problem Solving	√		√
3.	CS107	Programming for Problem Solving Lab	√	√	√
4.	CS104	Data Structures	√		√
5.	EE101	Elements of Electrical Engineering	√		√
6.	EC101	Electronic Devices and Circuits	√	√	√
7.	CS109	Data Structures Lab	√	√	√
8.	HU103	Phonetics and Communication Skills Lab			√
Scheme-17					
9.	EC201	Electronic Devices & Circuits (EDC)	√		√
10.	EC202	Digital System design (DSD)	√		√
11.	EC205	Electronic Devices & Circuits Lab (EDC(P))			√
12.	EC206	Basic Simulations Lab (BS(P))	√		√
13.	HU203	Advanced Communication Skills Lab (ACS(P))			√
14.	EC208	Electromagnetic waves (EMW)	√		
15.	HU204	Soft Skills Lab (SS(P))			√
16.	EC211	Analog Electronic Circuits Lab(AEC(P))			√
17.	EE212	Electrical Circuits and Machines Lab (ECM(P))	√		√
18.	EC301	Analog and Digital Communications (ADCM)	√		√
19.	EC302	Microprocessors & Micro Controllers (MPMC)	√	√	√
20.	EC304	Linear IC Applications (LICA)	√		√
21.	EC303	Introduction to VLSI Design (IVLSID)	√		√
22.	ECEL2	Electronic Measurements & Instrumentation			√
23.	EC305	Analog and Digital Communication Lab (ADCM(P))	√		√

24.	EC307	Linear IC Applications Lab (LICA(P))	√		√
25.	EC306	Microprocessors & Micro Controllers Lab (MPMC(P))	√		√
26.	EC308	Embedded Systems and Programming (ESP)	√	√	√
27.	EC310	Antenna & Wave propagation (AWP)	√	√	√
28.	EE311	Linear Control Systems (LCS)	√		√
29.	EC309	Digital Signal Processing (DSP)	√	√	√
30.	ECEL6	Internet of Things(PE-II)	√	√	√
31.	EC312	VLSI & Embedded Systems Lab (VES(P))	√	√	√
32.	EC311	Digital Signal Processing Lab(DSP(P))	√		√
33.	EC401	Microwave Engineering (MWE)	√		√
34.	ECEL9	Digital Image Processing(PE-III)	√		√
35.	EC402	Digital System Design using Verilog (DSDV)	√		√
36.	ECEL10	Fiber Optic Communications(PE-IV)	√		
37.	ECOE2	Bio-Medical Electronics(OE-III)	√	√	√
38.	ECOE1	Scripting Languages for VLSI(OE-III)	√		√
39.	ECOE3	Distributed Embedded Systems(OE-III)	√		√
40.	ECOE4	VLSI Signal Processing(OE-IV)	√		√
41.	ECOE5	Cognitive Radio(OE-IV)	√		√
42.	ECOE6	Robotics and Automation(OE-IV)	√		√
43.	EC403	Microwave Communications Lab (MWC (P))	√		√
44.	EC404	Digital System Design Lab (DSD(P))	√		√
45.	ECEL13	Cellular & Mobile Communications	√		√
46.	ECEL16	Wireless Communications	√		√
47.	ECEL1	Python Programming	√		√
48.	ECEL3	Advanced Computer Architectures	√		√
49.	ECEL4	Data Communications & Networking	√		√
50.	ECEL5	Analog VLSI	√		√
51.	ECEL7	Coding Techniques	√		√
52.	ECEL8	Embedded RTOS	√		√
53.	ECEL9	Digital Image Processing	√		√
54.	ECEL11	Advanced Digital signal processing	√		
55.	ECEL12	Low Power VLSI	√		
56.	ECEL14	VLSI Design for Testability	√	√	√

57.	ECEL15	Radar &Satellite Systems	√		
58.	ECEL17	FPGAs & ASIC Architectures and Applications	√	√	√
59.	ECEL18	Adaptive Signal Processing	√		√
60.	OE311	OOP through JAVA	√		√
61.	OE312	Ethical Hacking	√	√	√
62.	OE313	Principles of Programming Languages	√		√
63.	OE314	Advanced Information Systems	√		√
64.	OE315	Scientific Programming with Python	√	√	√
65.	OE316	Fuzzy Logic & Neural Networks	√		√
66.	OE317	Building Information Modeling	√	√	√
67.	OE318	Product Lifecycle Management	√		√
68.	OE319	Simulation of Engineering Systems	√	√	√

HOD ECE