

I Year – I Semester

S.No.	Category	Subject Code	Subjects	L	T	P	C
1	Basic Science	19BM1T01	Linear Algebra & Differential Equations	3		--	3
2	Engineering Science	19EE1T01	Basic Electrical Engineering	3		--	3
3	Basic Science	19BP1T02	Applied Physics	3		--	3
4	Humanities	19HE1T01	Professional Communicative English	3		--	3
5	Engineering Science	19CS1T01	Programming for Problem Solving using C	3		--	3
6	Humanities	19HE1L01	Professional Communicative English – Laboratory- I	--	--	2	1
7	Basic Science	19BP1L02	Applied Physics Lab	--	--	3	1.5
8	Engineering Science	19CS1L01	Programming for Problem Solving using C Lab	--	--	3	1.5
9	Mandatory course	19HM1T05	Constitution of India	2	--	--	--
Total credits							19

I Year – II Semester

S.No.	Category	Subject Code	Subjects	L	T	P	C
1	Basic Science	19BM2T02	Numerical Methods and Multivariable calculus	3		--	3
2	Basic Science	19BM2T03	Integral Transforms and vector calculus	3		--	3
3	Basic Science	19BC2T02	Applied Chemistry	3		--	3
4	Professional Core	19C2T01	Network Analysis	3		--	3
5	Professional Core	19EC2T02	Electronic Devices and Circuits	3	--	--	3
6	Engineering Science	19ME2T01	Engineering Drawing	1		3	2.5
7	Basic Science	19BC2L02	Applied Chemistry Lab	--	--	3	1.5
8	Humanities	19HE2L02	Professional Communicative English – Laboratory- II	--	--	2	1
9	Professional Core	19EC2L01	Electronic Workshop	--	--	2	1
10	Mandatory course	19BE2T01	Environmental Studies	2	--	--	0
Total credits							21

PRINCIPAL

PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)# 1-378, ADB ROAD, SURAMPALEM
Near Peddapuram, E.G.Dt. (AP)-533437

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1-378, ADB Road, Surampalem-533437

(Approved by AICTE, Permanently Affiliated to JNTUK, KAKINADA)

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IV Year

I Semester

Sub Code	Subjects	L	T	P	Credits
16CS7T15	Computer Networks	3	1		3
16EC7T22	Digital Image Processing	3	1		3
16EC7T23	Micro Wave Engineering	3	1		3
16EC7T24	Optical Communications	3	1		3
	Elective I				
16EC7D01	1. Digital TV Engineering	3	1		3
16EC7D02	2. Radar Engineering				
16EC7D03	3. System Design through Verilog				
	Elective II				
16EC7D04	1. Embedded Systems	3	1		3
16EC7D05	2. Analog IC Design				
16EC7D06	3. Network security & Cryptography				
16EC7L10	Micro Wave Engineering & Optical Lab			2	2
16EC7L11	Digital Signal Processing Lab			2	2
Total credits					22

IV Year

II Semester

Sub Code	Subjects	L	T	P	Credits
16EC8T25	Cellular Mobile Communications	3	1		3
16EC8T26	Electronic Measurements and Instrumentation	3	1		3
16EC8T27	Satellite Communications	3	1		3
	Elective III				
16EC8D07	1. Wireless sensors & Actuator Networks	3	1		3
16EC8D08	2. Digital IC Design				
16IT8D19	3. Web Technologies				
16IT8D20	4. Python				
16EC8S01	Seminar		3		2
16EC8P02	Project				10
Total credits					24

Total course credits = 48+44 + 42 + 46 = 180

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ELECTRONICS AND COMMUNICATION ENGINEERING | 25

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