

**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**SRI PADMAVATHI MAHILA VISVAVISYALAYAM**  
**Department of Electronics and Communication Engineering**  
**List of Courses Offered(2019-20) – B.Tech (ECE)**

**THEORY**

S.No	Course Code	Course Title	Number of Credits	Prerequisites
1	19ECT01	Basic Electronics Engineering	3	---
2	19ECT02	Electronic Devices & Circuits	3	---
3	19ECT03	Analog Electronics	4	19ECT02:Electronic Devices & Circuits
4	19ECT04	Digital system Design	3	---
5	19ECT05	Signals & Systems	4	---
6	19ECT06	Probability Theory & Stochastic Processes	3	19ECT05:Signals & Systems
7	19ECT07	Electro Magnetic Theory & Transmission Lines	3	---
8	19ECT08	IC Applications	3	1.19ECT02:Electronic Devices & Circuits 2.19ECT03:Analog& Pulse Circuits
9	19ECT09	Microprocessors& Microcontrollers	3	---
10	19ECT10	Analog Communication	3	19ECT05:Signals & Systems
11	19ECT11	Digital Communication	3	19ECT10 – Analog Communication 19ECT05:Signals & Systems
12	19ECT12	Electronic Measurements & Instrumentation	3	19ECT02:Electronic Devices & Circuits
13	19ECT13	Digital Signal Processing	3	19ECT05:Signals & Systems
14	19ECT14	Microwave Theory	3	19ECT07:Electro Magnetic Theory & Transmission Lines
15	19ECT15	VLSI Design	3	1. 19ECT02:Electronic Devices & Circuits 2. 19ECT08:IC Applications
16	19ECT16	Cellular Mobile Communication	3	---
17	19ECT17	Antennas & Wave Propagation	3	1. 19ECT07:Electro Magnetic Theory & Techniques 2.19ECT15: Microwave Theory
18	19ECT18	Low Power VLSI Design	3	19ECT15-VLSI
19	19ECT19	Embedded Systems	3	19ECT09:Microprocessors& Microcontrollers
20	19ECT20	Coding Theory & Techniques	3	19ECT11: Digital Communication
21	19ECT21	Biomedical Electronics	3	---
22	19ECT22	Digital Image & Video Processing	3	19ECT14:Digital Signal Processing
23	19ECT23	Digital CMOS Design	3	19ECT16:VLSI
24	19ECT24	Radar Systems	3	19ECT14: Digital Signal Processing
S.No	Course Code	Course Title	Number of Credits	Prerequisites

Ms. M. Krupa Swaroopa Rani  
Coordinator (ECE)

Dr. P. Satyanarayana Dr. R.V. Satyanarayana  
BoS Chairman (I/C) (ECE) BoS Chairman (ECE)

Dr. A. Ramakrishna Rao  
Director, SE&T

25	19ECT25	Fibre Optic Communication	3	---
26	19ECT26	Satellite Communication	3	---
27	19ECT27	Nano Electronics	3	---
28	19ECT28	Wireless Sensor Networks	3	19ECT11: Digital Communication
29	19ECT29	Electronic Circuits	3	19ECT01: Basic Electronics Engineering
30	19ECT30	Electromagnetic Waves		---
31	19ECT31	Analog & Digital IC Applications	3	19ECT01: Basic Electronics Engineering 19ECT29: Electronic Circuits
32	19ECT32	Digital Logic Design	3	---
33	19ECT33	Pulse & Digital Circuits	3	19ECT01: Basic Electronics Engineering
34	19ECT34	Electronic Measurements	3	19ECT01: Basic Electronics Engineering
35	19ECT35	Communication Systems	3	---
36	19ECT36	Microprocessors & Interfacing	3	---
37	19ECT37	Digital Design using VHDL	3	---
38	19ECT38	Microcontrollers & Interfacing	3	---
39	19ECT39	Basics of Embedded Systems	3	1. 19ECT40: Microprocessors 2. 19ECT42: Microcontrollers
40	19ECT40	Digital Image Processing	3	---

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**PRACTICALS**

<b>S.No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Number of Credits</b>	<b>Prerequisites</b>
1	19ECP01	Basic Electronics Engineering	1	---
2	19ECP02	Electronic Devices & Circuits	1	---
3	19ECP03	Digital System Design	1	
4	19ECP04	Analog Electronics	1	19ECP02: Electronic Devices & Circuits
5	19ECP05	Microprocessors & Microcontrollers	1	---
6	19ECP06	IC Applications	1	19ECP04: Analog& Pulse Circuits
7	19ECP07	Analog& Digital Communication	1	---
8	19ECP08	Digital Signal Processing	1	---
9	19ECP09	Microwave	1	---
10	19ECP10	VLSI	1	---
11	19ECP11	Electronic Circuits	1	19ECP01: Basic Electronics Engineering
12	19ECP12	Digital Logic Design	1	---

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