



B.Tech EC Engineering Course

Syllabus

SEMESTER – III				
S. No.	Course Name	L-T-P	Cr.	
1	Electronics Devices	3-1-0	4	ECE
2	Digital Electronics	3-0-0	3	ECE+CSE
3	Data Structure & Algorithms	3-1-0	4	ECE+CSE
4	Mathematics – III	3-1-0	4	ALL
5	Engineering Economics & Management	3-0-0	3	ALL
6	Electronics Devices Lab	0-0-2	1	ECE
7	Digital Electronics Lab	0-0-2	1	ECE+CSE
8	Data Structure Algorithms Lab	0-0-2	1	ECE+CSE
9	TOTAL	15-3-6	21	

SEMESTER – IV

S. No.	Course Name	L-T-P	Cr.	
1	Analog & Digital Communication	3-0-0	3	ECE
2	Analog electronics Circuits	3-1-0	4	ECE+CSE
3	Database Management System	3-1-0		
4	Computer Architecture & Organization	3-0-0	3	ECE+CSE
5	Signals and Systems	3-1-0	4	ECE
6	digital System Design	3-0-0	3	ECE
7	Analog & digital communication Lab	0-0-2	1	ECE
8	Analog electronics Circuits Lab	0-0-2	1	ECE
9	Digital System Design Lab	0-0-2	1	ECE
10	Database Management System Lab	0-0-2	1	
11	Electronics Workshop – I	0-0-4	1	
	TOTAL	18-2-10	20	

SEMESTER – V

S. No.	Course Name	L-T-P	Cr.
1	Microprocessors & Controller	3-0-0	3
2	Network Theory	3-1-0	4

3	Digital Signal Processing	3-1-0	3
4	Electromagnetic Waves	3-0-0	4
5	Antenna & Propagation	3-0-0	3
6	Computer Network	3-0-0	3
7	Microprocessors & Computer Lab	0-0-2	1
8	Network Theory Lab	0-0-2	1
9	Digital Processing Lab	0-0-2	1
	TOTAL	18-2-26	23

SEMESTER – VI			
S. No.	Course Name	L-T-P	Cr.
1	Control System	3-0-0	3
2	Probability Theory and Stochastic Process	3-0-0	4
3	Embedded System Design	3-0-0	3
4	Broad Bank Network	3-0-0	3
5	Fiber Optical Communication	3-0-0	3
6	Wireless & Cellular System	3-0-0	3
7	Control System Lab	0-0-2	1
8	Electronics Measurement Lab	0-0-2	1

9	Embedded System Design	0-0-2	1
10	Minor Project	0-0-4	2
	TOTAL	18-2-08	23

SEMESTER – VII

S. No.	Course Name	L-T-P	Cr.
1	Electronic System Design	3-0-0	3
2	Cloud Computing	3-0-0	3
3	Embedded Control System	3-0-0	3
4	Satellite Communication	3-0-0	3
5	System Modelling & Design	3-0-0	3
6	Human Resource Management	3-0-0	3
7	Major Project	0-0-6	3
	TOTAL	20-0-6	21

SEMESTER – VIII

S. No.	Course Name	L-T-P	Cr.
1	MOOC Course Swayam – I	2-0-0	2
2	Wireless Sensor Network	3-0-0	3
3	Internship & Dissertation	0-0-0	12

	TOTAL	5-0-0	17
--	--------------	-------	----