

**School Name: School of Engineering**

**Department Name: Department of Electrical, Electronics & Communication Engineering**

**Program Name: B.Tech. (Electronics & Communication Engineering)**

**Scheme: 2018-2022**

SEMESTER I						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BTEE1001	Introduction to Electrical Engineering	0	0	2	1
2	BCSE1002	Computer Programming and Problem Solving	0	0	4	2
3	MATH1005	Multivariable Calculus	3	0	0	3
4	MATH1007	Exploration with CAS-I	0	0	2	1
5	SLBT1011	English Proficiency and Aptitude Building-1	0	0	4	2
6	BTME1003	Product Manufacturing	0	0	2	1
7	PSSO1001	Psychology and Sociology	2	0	0	2
8	ENVS1001	Environmental Science	3	0	0	3
9	BEEE1002	Basic Electrical and Electronics Engineering	3	0	0	3
10	BEEE1003	Basic Electrical and Electronics Engineering Lab	0	0	2	1
11	JAPA1001	Japanese-I	0	0	2	1
	FREN1001	French-I				
	GERN1001	German-I				
		TOTAL				22
SEMESTER II						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BCSE1003	Application Oriented Programming using Python	0	0	4	2
2	SLBT1012	English Proficiency and Aptitude Building-2	0	0	4	2
3	MATH1006	Linear Algebra and Differential Equations	3	0	0	3
4	MATH1008	Exploration with CAS-II	0	0	2	1
5	PHYS1001	Engineering Physics	3	0	0	3
6	PHYS1002	Engineering Physics Lab	0	0	2	1
7	BTME1002	Product Design using Graphics	0	0	4	2
8	CHEM1001	Engineering Chemistry	3	0	0	3
9	CHEM1002	Engineering Chemistry Lab	0	0	2	1
10	UHVE1001	Universal Human Values and Ethics	0	0	4	2
11	JAPA1002	Japanese-II	0	0	2	1

	FREN1002	French-II				
	GERN1002	German-II				
		<b>TOTAL</b>				21
<b>SEMESTER III</b>						
1	BECE2015	Electronic Devices and Circuits	3	0	0	3
2	MATH2002	Numerical Methods	3	0	0	3
3	BECE2001	ECE project based Learning-I	0	0	2	1
4	BECE2018	Electronics Design and PCB Lab	0	0	2	1
5	BTEE2002	Network Analysis and Synthesis	3	0	0	3
6	BECE2016	Signals and Systems	3	0	0	3
7	BECE2010	Digital Electronics	3	0	0	3
8	BECE2011	Digital Electronics Lab	0	0	2	1
9	SLBT2021	English Proficiency and Aptitude Building - 2	0	0	4	2
10	BECE9001	Objected Oriented Programming (Added)	0	0	2	1
<b>SEMESTER IV</b>						
1	MATH2004	Probability and Stochastic Processes	3	0	0	3
2	BECE9003	DATA STRUCTURE	0	0	2	1
3	BECE2008	Integrated Circuits	3	0	0	3
4	BECE2009	Integrated Circuits Lab	0	0	2	1
5	BEEE3002	Control System	3	0	0	3
6	BECE2012	Electromagnetic Field Theory	3	0	0	3
7	BECE2004	Analog Communication	3	0	0	3
8	BEEE9001	DISRUPTIVE TECHNOLOGY	3	0	0	3
9	SLBT2002	English Proficiency and Aptitude Building - 3	0	0	4	2
10	BECE2020	Digital Signal Processing	3	0	0	3
11	BCSE9006	AI AND ML USING PYTHON	0	0	2	1
12	BECE4501	INTRODUCTION TO IOT AND ITS APPLICATIONS	3	0	0	3
<b>SEMESTER V</b>						
1	UE3	Humanities Course (from basket)	3	0	0	3
2		Program Elective-I (from basket) - 1	3	0	0	3
3	BECE3020	Digital Communication	3	0	0	3
4	BECE3021	Digital Communication Lab	0	0	2	1
5	BECE3017	Microprocessors and Its Applications	3	0	0	3
6	BECE3018	Microprocessors Lab	0	0	2	1
7	BECE3006	Microwave Engineering	3	0	0	3

8	BECE3007	Microwave Engineering Lab	0	0	2	1
9	BECE3008	ECE Project Based Learning-III	0	0	2	1
10	SLBT3001	English Proficiency and Aptitude Building - 4	0	0	4	2
11	*****	Database Management System (Added)	0	0	2	1
<b>SEMESTER VI</b>						
1	SLBT3002	Campus to Corporate	0	0	4	2
2		Program Elective (from basket) - 2	3	0	0	3
3		Program Elective (from basket) - 3	3	0	0	3
4	BECE3011	ECE Project Based Learning-IV	0	0	2	1
5	BECE3012	Wireless and Mobile Communication	3	0	0	3
6	BECE3013	VLSI Design	3	0	0	3
7	BECE3014	VLSI Design Lab	0	0	2	1
8	BECE3015	Antenna and Wave Propagation	3	0	0	3
9	BECE3019	Embedded Systems	3	0	0	3
<b>SEMESTER VII</b>						
1	BECE9998	Capstone Design - I	0	0	6	3
2	BECE4002	ECE Seminar	0	0	2	1
	BECE4003	Embedded System Lab	0	0	2	1
3		Program Elective (from basket) - 4	3	0	0	3
4		Program Elective (from basket) - 5	3	0	0	3
5	UE1	Management Course (from basket)	3	0	0	3
6	UC23	Management Course (from basket)	3	0	0	3
<b>SEMESTER VIII</b>						
1	BECE9999	Capstone Design - II	0	0	18	9