GALGOTIAS UNIVERSITY
(Under the Uttar Pradesh Private Universities Act No. 12 of 2019)

Plot No. 2, Sector - 17A, Yamuna Expressway, Greater Noida, Distt.: Gautam Budha Nagar, Uttar Pradesh (India) 203201
Website : www.galgotiasuniversity.edu.in

School Name: School of Engineering

Department Name: Department of Electrical, Electronics & Communication

EngineeringProgram Name: B.Tech. (Electronics & Communication Engineering)

Scheme: 2017-2021

		SEMESTER I				
Sl. No.	Course Code	Course Title	L	T	P	C
1	BECE1001	Introduction to Electronics and Communication Engineering	0	0	2	1
2	BCSE1002	Computer Programming and Problem Solving	0	0	4	2
3	MATH1001	Multivariable Calculus	3	0	0	3
4	MATH1002	Exploration with CAS-I	0	0	2	1
5	PHYS1001	Engineering Physics	3	0	0	3
6	PHYS1002	Engineering Physics Lab	0	0	2	1
7	ENVS1001	Environmental Science	2	0	0	2
8	BTME1003	Product Manufacturing	0	0	2	1
9	BEEE1002	Basic Electrical and Electronics Engineering	2	1	0	3
10	BEEE1003	Basic Electrical and Electronics Engineering Lab	0	0	2	1
11	SLBT1001	Basic English	0	0	4	2
12	PSSO1001	Psychology and Sociology	2	0	0	2
13	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	Aplication Oriented Programming using Python	0	0	4	2
2	CHEM1001	General Chemistry	3	0	0	3
3	CHEM1002	General Chemistry Lab	0	0	2	1
4	MATH1003	Matrices and Differential Equations	3	0	0	3
5	MATH1004	Exploration with CAS-II	0	0	2	1
6	PHYS1004	Physics of Semiconductor Devices	3	0	0	3
7	PHYS1005	Advanced Physics Lab	0	0	2	1
8	BTME1002	Product Design using Graphics	0	0	4	2
9	UHVE1001	Universal Human Values and Ethics	0	0	4	2
10	SLBT1002	English Proficiency and Aptitude Building-1	0	0	4	2
11	JAPA1002	Japanese-I	0	0	2	1
	FREN1002	French-I				

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	GERN1002	German-I				
		TOTAL				23

SEMESTER III

1	BECE2016	Signals and Systems	3	0	0	3
2	MATH2002	Numerical Methods	3	0	0	3
3	BECE2001	Electronics and Communication Engineering Project Based Learning -1	0	0	2	1
4	BECE2002	Network Analysis and Synthesis	3	0	0	3
5	BECE2003	Network Analysis and Synthesis Lab	0	0	2	1
6	BECE2004	Analog Communication	3	0	0	3
7	BECE2010	Digital Electronics	3	0	0	3
8	BECE2011	Digital Electronics Lab	0	0	2	1
9	BTME2001	Engineering Mechanics	3	0	0	3
10	SLBT2001	English Proficiency and Aptitude Building - 2	0	0	4	2
		TOTAL				23

SEMESTER IV

1	MATH2004	Probability and Stochastic Processes	3	0	0	3
2	BECE2007	ECE Project Based Learning -II	0	0	2	1
3	BECE2008	Integrated Circuits	3	0	0	3
4	BECE2009	Integrated Circuits Lab	0	0	2	1
5	BEEE3002	Control Systems	3	0	0	3
6	BECE2012	Electromagnetic Field Theory	3	0	0	3
7	BECE3020	Digital Communication	3	0	0	3
8	BECE3021	Digital communication lab	0	0	2	1
9	SLBT2002	English Proficiency and Aptitude Building - 3	0	0	4	2
10	BTME2002	Engineering Thermodynamics	3	0	0	3
		TOTAL				23

SEMESTER V

1	BTMG3001	Entrepreneurship	3	0	0	3
2		Program Elective-I (from basket) - 1	3	0	0	3
3	BECE2020	Digital Signal Processing	3	0	0	3
4	BECE2021	Digital Signal Processing Lab	0	0	2	1
5	BECE3004	Microprocessors and Embedded Systems	3	0	0	3
6	BECE3005	Microprocessors and Embedded Systems 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	BECE9001	Objected Oriented Programming (Added)	0	0	2	1
12	BECE9003	Data Structure (Added)	0	0	2	1

			TOTAL				23

		SEMESTER VI				
1	SLBT3002	Campus to Corporate	0	0	4	2
2	BECE3204	Mobile Ad Hoc Networks (PE-1)	3	0	0	3
	BECE3301	Digital Image Processing (PE-1)				
3	BECE3305	Neural Networks and Deep Learning (PE-2)	3	0	0	3
	BECE3302	Information and Theory Coding (PE-2)				
4	BECE9007	AI AND ML USING PYTHON	3	0	0	3
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 - NPTEL	3	0	0	3
9	BECE9001	Disruptive Technologies	3	0	0	3
10	BECE9008	Advanced Electronic System Design	3	0	0	3
		TOTAL				

		SEMESTER VII				
1	BECE9998	Capstone Design - I	0	0	6	3
2	BECE4001	Simulation Lab	0	0	4	2
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
		TOTAL				17

		SEMESTER VIII				
1	BECE9999	Capstone Design - II	0	0	18	9
		TOTAL				9