

School Name: School of Engineering

Department Name: Department of Electrical, Electronics & Communication

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

Scheme: 2019-2023

SEMESTER I						
S.No	Course Code	Course Title	L	T	P	C
1	BMA101	Mathematics-1 (Multivariable Calculus)	3	1	0	3
2	BMA151	Exploration with CAS-I	0	0	2	1
3	FENG1005	Functional English	2	0	0	2
4	BCS101	Fundamentals of Computer Programing	3	0	0	3
5	BCS151	Fundamentals of Computer Programing Lab - 1	0	0	2	1
6	BPH101	Engineering Physics	3	0	0	3
7	BPH151	Engineering Physics Lab	0	0	2	1
8	BME101	Elements of Mechanical Engineering	3	0	0	3
9	BME151	Workshop Practice	0	0	2	1
	BLE101	Psychlogy and scoiology	2	0	0	2
		Total				
SEMESTER II						
S.No	Course Code	Course Title	L	T	P	C
1	BMA201	Linear Algebra and Differential Equations	3	1	0	3
2	BMA251	Exploration with CAS-II	0	0	2	1
3	BHS251	Professional Communication Lab	0	0	2	1
4	BCS251	Application of Programming using Python	0	0	2	1
5	BCH102	Engineering Science	3	0	0	3
6	BCH153	Engineering Science Lab	0	0	2	1
7	BEC101	Basic Electrical and Electronics Engineering	3	0	0	3
8	BEC151	Basic Electrical and Electronics Engineering Lab	0	0	2	1
9	Bcs901	Disruptive Technology	0	0	2	1
10	BOC253	Design and Innovation	0	0	2	1
11	BME152	Engineering Graphics	0	0	4	2
		Total				

SEMESTER III						
S.No	Course Code	Course Title	L	T	P	C
1	BECE2015	Electronic Devices and Circuits	3	0	0	3
2	MATH2001	Functions of Complex Variables and Transforms	3	0	0	3
3	BTEE2002	Network Analysis and Synthesis	3	0	0	3
4	BEE01T2001	Sensors and Transducers	2	0	0	1
5	BEE01T2002	Design and Engineering	2	0	0	2
6	BECE2010	Digital Electronics	3	0	0	3
7	BECE2012	Electromagnetic Field Theory	3	0	0	3
8	BECE2011	Digital Electronics Lab	0	0	2	1
9	BEE01P2003	Engineering Clinic-I	0	0	2	2
10	SLBT2021	English Proficiency and Aptitude Building - 3	0	0	2	1
11	BEE01P2004	IoT Lab	0	0	2	2
		Total	19	0	8	24
SEMESTER IV						
S.No	Course Code	Course Title	L	T	P	C
1	MATH2004	Probability and Stochastic Process	3	0	0	3
2	BECE2008	Integrated Circuits	3	0	0	3
3	BECE2016	Signals and Systems	3	0	0	3
4	ECE417	Analog and Digital Communication	3	0	0	3
5	BEE01T2005	Database Management System	2	0	1	2
6	BEE01T2006	Microcontrollers and Embedded System	3	0	0	2
7	BEE01P2007	Engineering Clinic-2	0	0	2	2
8	BECE2009	Integrated Circuits Lab	0	0	2	1
9	SLBT2022	English Proficiency and Aptitude Building-IV	0	0	4	2
10	BECE3005	Microprocessor and Micro Controller Lab	0	0	2	1
		Total	18		8	22
SEMESTER V						
S.No	Course Code	Course Title	L	T	P	C
1	BEEE3002	Control System	3	0	0	3
2	BEE01T3001	EM Waves	3	0	0	3
3	BEE01P3002	Python and Data Structures	0	0	2	1
4	BECE3020	Digital Signal Processing	3	0	0	3
5	*****	Program Elective-I	3	0	0	3

6	*****	Program Elective-II	3	0	0	3
7	BEE01P3003	Engineering Clinic-3(Industrial Internship)	0	0	2	2
8	BLL551	Effective Leadership and Decision Making Skills	0	0	2	1
9	BECE3021	Digital Signal Processing Lab	0	0	2	1
10	BLE601/BLE602/BLE603	Foreign Language - 1 (German, Japanese, French) *Optional	0	0	2	0
11	BEE01P3004	Communication Engineering Lab	0	0	2	1
		Total				21

SEMESTER VI

S.No	Course Code	Course Title	L	T	P	C
1	BLL601	Campus to Corporate program	3	0	0	3
2	BEE01T3005	Advanced Communication Systems	3	0	0	3
3	BECE3013	VLSI Design	3	0	0	3
4	BEE01T3006	Image Processing and Pattern Recognition	3	0	0	3
5	*****	Program Elective-III	3	0	0	3
6	*****	Program Elective-IV	3	0	0	3
8	BEE01P3007	Design and Innovation Project(Communication Based)	0	0	2	1
9	BEE01T3008	Professional Ethics and Human Values	2	0	0	1
10	BEE01P3009	VLSI and Embedded Systems Lab	0	0	2	1
		Total	20		4	21

SEMESTER VII

S.No	Course Code	Course Title	L	T	P	C
1	BEE01T4001	Communication Networks	3	0	0	3
2	*****	Open Elective -1	3	0	0	3
3	*****	Program Elective-V	3	0	0	3
4	*****	Program Elective-VI	3	0	0	3
5	*****	Open Elective-2	3	0	0	3
6	BEE01P4002	Communication Networks Lab	0	0	2	1
7	BECE9998	Capstone Design - I	0	0	4	2
		Total				

SEMESTER VIII

S.No	Course Code	Course Title	L	T	P	C
1	BECE9999	Capstone Design - I	0	0	4	2
		Total				



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

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