

Semester IV									
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	C1UC420T	Probability and Stochastic Process	3	0	0		3	3	AEC
2	G2UA401B	Integrated Circuits	3	0	0		3	3	SEC
3	G2UA402T	Analog and Digital Communication	3	0	1		4	5	SEC
4	G2UA401C	Microcontrollers and Embedded System	3	0	1	1	5	5	SEC
5	G2UA405T	Antenna and Wave Propagation	3	0	0		3	3	SEC
6	O1UA421B	Communication Competency & Aptitude Building -II	1	0	1		2	3	VAC
7	G2UD501T	Introduction to Artificial Intelligence.	3	0	0		3	3	SEC

Semester V									
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	G2UC501B	Microwave Engineering	3	0	1		4	5	SEC
2	G2UC502C	Digital Signal Processing	3	0	1	1	5	5	SEC
3	*****	Program Elective-I	3	0	0		3	3	SEC
4	G2UC503T	Wireless and Mobile Communication	3	0	0		3	3	SEC
5	*****	Open Elective-1	3	0	0		3	3	VAC
6	K1UC523L	Communication Competency & Aptitude Building -1	1	0	1		2	3	VAC
7	G2UD601T	Machine Learning	3	0	0	0	3	3	SEC

Semester VI									
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	O1UA602B	Campus to Corporate Training	1	0	1		2	3	VAC
2	G2UC606C	VLSI Design	3	0	1		4	5	SEC
3	*****	Program Elective-II	3	0	0		3	3	SEC
4	G2UC602T	Advanced Communication Systems	3	0	1	1	5	5	SEC
5	*****	Program Elective-III	3	0	0		3	3	SEC
6	G2UC605T	Communication Network	3	0	0		3	3	SEC

Semester VII									
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type
1	*****	Program Elective-IV	3	0	0		3	3	SEC
2	*****	Program Elective-V	3	0	0		3	3	SEC
3	*****	Open Elective -2	3	0	0		3	3	VAC

4	*****	Open Elective -3	3	0	0			3	3	VAC
5	*****	Industrial internship	0	0	0	1		1	0	SEC
6	BECE9998	Capstone Design - I	0	0	8			7	0	SEC

Semester VIII										
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type	
1	BECE9997	Capstone Design - II	0	0	20		20	0	SEC	

Elective 2023-24										
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type	
1	*****	Introduction to IoT and its Applications	3	0	0		3	3	SEC	
2	*****	Automation and Robotics	3	0	0		3	3	SEC	
3	*****	Deep Learning Algorithms	3	0	0		3	3	SEC	
4	*****	Object Oriented Programming	3	0	0		3	3	SEC	
5	*****	Virtual Reality	3	0	0		3	3	SEC	
6	*****	Raspberry Pi and its applications	3	0	0		3	3	SEC	
7	*****	Introduction to Arduino programming and its applications	3	0	0		3	3	SEC	
8	*****	Cloud Computing	3	0	0		3	3	SEC	
9	*****	Python Programming	3	0	0		3	3	SEC	

Elective 2023-24										
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type	
1	*****	Medical Imaging	3	0	0	0	3	3	SEC	
2	*****	Bio-signal processing	3	0	0	0	3	3	SEC	
3	*****	Medical Image Processing	3	0	0	0	3	3	SEC	
4	*****	Biomedical Sensors and Measurement Devices	3	0	0	0	3	3	SEC	
5	*****	Biomaterials and Artificial Organs	3	0	0	0	3	3	SEC	
6	*****	Assist Devices	3	0	0	0	3	3	SEC	
7	*****	Soft Computing	3	0	0	0	3	3	SEC	
8	*****	Hospital Engineering and Informatics Systems	3	0	0	0	3	3	SEC	
9	*****	Bio-Chemistry	3	0	0	0	3	3	SEC	

Elective 2023-24										
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Type	
1	*****	ASIC Design	3	0	0	0	3	3	SEC	
2	*****	CAD Algorithms for VLSI Physical Design	3	0	0	0	3	3	SEC	
3	*****	Digital VLSI Design	3	0	0	0	3	3	SEC	

4	*****	Digital System Design using VHDL	3	0	0	0	3	3	SEC
5	*****	SoC Design	3	0	0	0	3	3	SEC
6	*****	System Verilog	3	0	0	0	3	3	SEC
7	*****	Low Power VLSI Design	3	0	0	0	3	3	SEC
8	*****	VLSI Technology	3	0	0	0	3	3	SEC
9	*****	VLSI Testing	3	0	0	0	3	3	SEC
10	*****	MEMS	3	0	0	0	3	3	SEC
11	*****	Memory Design and Testing	3	0	0	0	3	3	SEC
12	*****	MOS Transistor Theory	3	0	0	0	3	3	SEC