



GALGOTIAS UNIVERSITY

Programme Structure_ECE(AIML)

School/Dept.		DEECE	Program Name				B.Tech in Electronics and Communication Engineering(AIML)	
Semester		I	Program Chair Name				Dr. Yogesh Kumar	
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours
1	C1UC122B	Engineering Mathematic-I	3	0	1	0	4	5
2	R1UC101B	Programming for Problem Solving – C	2	0	1	1	4	4
3	G2UA120B	Basic Electrical & Electronics Engineering	3	0	1	0	4	5
4	C1UB129T	Chemical and Biological Materials	3	0	0	0	3	3
5	G3UB102C	Engineering Design and Prototyping	3	0	1	0	4	5
6	L1UB120T	YOGA	2	0	0	0	0	2
Total							19	

School/Dept.		DEECE	Program Name				B.Tech in Electronics and Communication Engineering(AIML)	
semester		II	Program Chair Name				Dr. Yogesh Kumar	
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours
1	C1UB120T	Environmental Impact Analysis	2	0	0	0	0	3
2	C1UC222B	Engineering Mathematic-II	3	0	1	0	4	5
3	G2UC101B	Introduction to Digital Systems	2	0	1	0	3	4

4	E2UC201C	OOPS	2	0	1	1	5	4
5	C1UC224T	Discrete Mathematics	3	0	0	0	3	3
6	O1UA104B	Communication Skills for Engineers	2	0	1	0	3	4
7	C1UD124B	Semiconductor and Optoelectronic Devices	3	0	1	0	4	
			Total				22	

School/Dept.		DEECE	Program Name				B.Tech in Electronics and Communication Engineering(AIML)	
semester		III	Program Chair Name				Dr. Yogesh Kumar	
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours
1	C1UC321T	Functions of Complex Variables and Transforms	3	0	0		3	3
2	G2UC301C	Electronic Devices and Circuits	3	0	1	1	5	5
3	G2UB301B	Network Analysis and Synthesis	3	0	1		4	5
5	G2UC302T	Signals and Systems	3	0	0		3	3
6	G2UC303T	Electromagnetic Field Theory	3	0	0		3	3
7	K1UC320B	Communication Competency & Aptitude Building -1	1	0	1		2	3
8	*****	Introduction to Python Programming	3	0	1		4	5
			Total				20+4	

School/Dept.		DEECE	Program Name				B.Tech in Electronics and Communication Engineering(AIML)	
Semester		IV	Program Chair Name				Dr. Yogesh Kumar	

S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours
1	C1UC420T	Probability and Stochastic Process	3	0	0		3	3
2	G2UA401B	Integrated Circuits	3	0	0		3	3
3	G2UA402T	Analog and Digital Communication	3	0	1	1	5	5
4	G2UB504B	Microcontroller and Embedded System	3	0	1		4	5
5	G2UA405T	Antenna and Wave Propagation	3	0	0		3	3
6	*****	Capsule Course-1(Introduction to Arduino Programming)	0	0	1		1	2
7	O1UA421B	Communication Competency & Aptitude Building -1	1	0	1		2	3
7	*****	Introduction to Artificial Intelligence	3	0	0		3	3
Total							21+3	

School/Dept.		DEECE	Program Name				B.Tech in Electronics and Communication Engineering(AIML)	
semester		V	Program Chair Name				Dr. Yogesh Kumar	
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours
1	G2UC501B	Microwave Engineering	3	0	0		3	3
2	G2UC502C	Digital Signal Processing	3	0	1	0	4	5
3	*****	Introduction to IoT and its Applications	3	0	1	1	5	3
4	G2UC503T	Wireless and Mobile Communication	3	0	0		3	3
5	*****	Open Elective-1	3	0	0		3	3
6	*****	Capsule Course-2(Electronics Workshop)	0	0	1		1	2

7	K1UC523L	Communication Competency & Aptitude Building -1	1	0	1		2	3
8	*****	Machine Learning	3	0	0	0	3	3

Total 21+3

School/Dept.		DEECE	Program Name				B.Tech in Electronics and Communication Engineering(AIML)	
semester		VI	Program Chair Name				Dr. Yogesh Kumar	
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours
1	O1UA602B	Campus to Corporate Training	1	0	1	0	2	3
2	G2UC606C	VLSI Design	3	0	1	0	4	5
3	*****	Program Elective-II	3	0	0	0	3	3
4	G2UC602T	Advanced Communication Systems	3	0	1	1	5	5
5	*****	Program Elective-III	3	0	0	0	3	3
6	*****	Satellite and Radar Communication	3	0	0	0	3	3
7	*****	(Capsule Course-3)Analog Circuit Design	0	0	1	0	1	2
8	*****	Introduction to Data Science	3	0	0	0	3	3
9	*****	AIML Project	0	0	0	1	1	0

Total 21+4

School/Dept.		DEECE	Program Name				B.Tech in Electronics and Communication Engineering(AIML)	
semester		VII	Program Chair Name				Dr. Yogesh Kumar	
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours

1	*****	Program Elective-III (VLSI Program Core)	3	0	0		3	3
2	*****	Program Elective-IV	3	0	0		3	3
3	*****	Program Elective-V	3	0	0		3	3
4	*****	Open Elective -3	3	0	0		3	3
5	G2UC701L	Industrial internship-I (Min. 4 Weeks)	0	0	0	1	1	0
6	G2UC702L	Capstone Design - I	0	0	8		7	0
7	*****	IoT Technology & Applications	3	0	1	0	4	5
			Total				20+4	

School/Dept.		DEECE		Program Name			B.Tech in Electronics and Communication Engineering(AIML)	
semester		VIII		Program Chair Name			Dr. Yogesh Kumar	
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours
1	BECE9997	Capstone Design - II	0	0	18	0	18	0
2	*****	Industrial Internship-II (To be completed during 8 Semester or	0	0	0	2	2	0
			Total				20	

Specialization Credit (AIML)	182
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