GALGOTIAS UNIVERSITY

DEECE

PROGRAM STRUCTURE _2023-24

Curriculum Structure of B.Tech Electronics Engineering (Advanced Communication Technology)

Sl. No	Name of the Course	Course Code	L	T	P	S	C	ETE	COURSE TYPE	SEM	CREDIT
Semester 1											
1	Multi Variable Calculus	C1UC121B	3	0	1		4	100	INT	I	24
2	Programming for Problem Solving – C	E2UC101C	3	0	1	1	5	100	COMP	II	18
3	Basic Electrical & Electronics Engineering	G2UA120B	3	0	1	0	4	100	INT	III	19
4	Semi-conductor Physics	C1UD121B	3	0	1		4	100	INT	IV	21
5	Engineering Graphics & Introduction to Digital Fabrication	G3UB120B	3	0	1		4	100	INT	V	20
6	Communicati on Skills for Engineers	K1UC120B	2	0	1		3	100	INT	VI	20
Semester II										VII	20
1	Biology for Engineers*	C2UD121B	3	0	1		4	100	INT	VIII	20
2	Linear Algebra & Differential Equations	C1UC220T	3	0	0		3	100	THEORY	**TOTAL**	**162**
3	Introduction to Digital Systems	G2UC101B	2	0	1	0	3	100	INT		
4	OOPS	E2UC201C	3	0	1	1	5	100	COMP		
5	Discrete Mathematics	E1UJ204T	3	0	0		3	100	THEORY		
Semester III											

1	Functions of Complex Variables and Transforms	**********	3	0	0		3	100	THEORY
2	Electronic Devices and Circuits	**********	3	0	1	1	5	100	COMP
3	Network Analysis and Synthesis	**********	3	0	0		3	100	THEORY
5	Signals and Systems	**********	3	0	0		3	100	THEORY
6	Electromagnetic Field Theory	**********	3	0	0		3	100	THEORY
7	English Competency and Aptitude Building - 1	**********	0	0	2		2	100	LAB
Semester IV									
1	Probability and Stochastic Process	C1UC420T	3	0	0		3	100	THEORY
2	Analog and Digital Circuits	G2UA401B	3	0	1		4	100	INT
3	Analog Communication	G2UA402T	3	0	1		4	100	INT
4	Microcontrollers and Embedded System	G2UA401C	3	0	1	1	5	100	COMP
5	Antenna and Wave Propagation	**********	3	0	0		3	100	THEORY
6	English Competency and Aptitude Building - 2	K1UC420L	0	0	2		2	100	LAB
Semester V									
1	Microwave Engineering	**********	3	0	1		4	100	INT
2	Digital Signal Processing	**********	3	0	1	1	5	100	COMP

3	Program Elective-I	**********	3	0	0		3	100	THEORY
4	Digital Communication	**********	3	0	0		3	100	THEORY
6	Enterpreneurship	**********	3	0	0		3	100	THEORY
7	English Competency and Aptitude Building - 3	**********	0	0	2		2	100	LAB
Semester VI									
1	Campus to Corporate Training	**********	0	0	2		2	100	LAB
2	Wireless and Mobile Communication	**********	3	0	1		4	100	INT
3	Emerging technologies -Beyond 5G	**********	3	0	1	1	5	100	COMP
5	Program Elective -II	**********	3	0	0		3	100	THEORY
6	Program Elective-III	**********	3	0	0		3	100	THEORY
7	Computer Network	**********	3	0	0		3	100	THEORY
Semester VII									
1	Program Elective-IV	********	3	0	0		3	100	THEORY
2	Program Elective-V	********	3	0	0		3	100	THEORY
3	Open Elective -1	********	3	0	0		3	100	THEORY
4	Open Elective -2	********	3	0	0		3	100	THEORY
5	Capstone Design - I	********	0	0	8		8	100	Project
Semester VIII									
1	Capstone Design - II	********	0	0	20		20	50	Project
					Total Credit =162				