

GALGOTIAS UNIVERSITY

DEECE

PROGRAM STRUCTURE

Curriculum Structure of B.Tech in Electrical Engineering

Semester I

Sl. No	Name of the Course	Course Code	L	T	P	S	C	Quiz 1	Quiz 2	CAT-1	CAT-2	Lab	Lab Exam	Course Based Project	Total CIE marks	ETE	COURSE TYPE
1	Multi Variable Calculus		3	0	2		4	10		30		25	25			50	
2	Programming for Problem Solving - C		1	0	4		3	10		30		25	25			25	
3	Data Analytics Excel Tableau		1	0	2		2	10		30		25	25			25	
4	AI Fundamental		2	0	0		2	20		30						50	
5	Basic Electrical & Electronics Engineering		2	1	1	0	4			30	30	20	20		100	100	Integrated
6	Semi-conductor Physics		2	0	2		3	10		30		25	25			50	
7	Engineering Graphics & Introduction to Digital Fabrication		1	0	2		2	10		30		25	25			25	
8	Communication Skills		2	0	0		2	20		30						50	
9	Environmental Sciences		2	0	0		0	20		30						50	

Semester II

1	Biology for Engineers*	C2UD121B	3	0	1		4			30	30	20	20		100	100	
2	Linear Algebra & Differential Equations	C1UC220T	3	0	0		3	10	10	40	40				100	100	
3	Introduction to Digital Systems	G2UC101B	2	0	1	0	3	10	10	40	40				100	100	INT
4	OOPS	E2UC201C	3	0	1	1	5			30	30	20		20	100	100	
5	Discrete Mathematics	E1UJ204T	3	0	0		3	10	10	40	40				100	100	INT

Semester III

1	Functions of Complex Variables and Transforms	MATH2001	3	0	0		3	10	10	40	40				100	100	THEORY
2	Electronic Devices and Circuits	BECE2015	3	0	1	1	5			30	30	20		20	100	100	COMP
3	Network Analysis and Synthesis	BTEE2002	3	0	1		4			30	30	20	20		100	100	INT
4	Signals and Systems	BECE2016	3	0	0		3	10	10	40	40				100	100	THEORY
5	Electromagnetic Field Theory	BECE2012	3	0	0		3	10	10	40	40				100	100	THEORY
6	English Proficiency and Aptitude Building - 3	SLBT2021		0	2		2			30	30	20	20		100	100	LAB

Semester IV

1	Probability and Stochastic Processes	C1UC420T	3	0	0		3	10	10	40	40				100	100	THEORY
2	Control Systems	G2UB401B	3	0	1		4			30	30	20		20	100	100	COMP
3	Electrical Machine-1	G2UB402B	3	0	1		4			30	30	20	20		100	100	INT
4	Fundamentals of Power Systems	G2UB406T	3	0	0		3	10	10	40	40				100	100	Theory
5	Electrical Measurement and Instrumentation	G2UB405C	3	0	1	1	5	10	10	40	40				100	100	THEORY
6	English Proficiency and Aptitude Building - 4	K1UC420L	0	0	4		2			30	30	20	20		100	100	INT

Semester V

1	Electrical Machine-2	BTEE3004	3	0	1		4			30	30	20	20		100	100	INT
2	Power System Analysis	BTEE3009	3	0	0		3	10	10	40	40				100	100	THEORY
3	Power Electronics	BTEE3011	3	0	1	1	5			30	30	20		20	100	100	COMP
4	Microcontroller and Embedded system	BECE3030	3	0	1		4			30	30	20	20		100	100	INT
5	Python And Data Structures	BEE01P3002	3	0	1		4			30	30	20	20		100	100	INT

Semester VI

1	Campus to Corporate program	SLBT3002	1	0	1		2			30	30	20	20		100	100	INT
2	Power System protection	BEE02T3006	3	0	1	1	5			30	30	20		20	100	100	COMP
3	Program Elective-I	*****	3	0	0		3	10	10	40	40				100	100	THEORY
4	Program Elective-II	*****	3	0	0		3	10	10	40	40				100	100	THEORY
5	Open Elective-1	*****	3	0	0		3	10	10	40	40				100	100	THEORY
6	Electric Drives	BTEE4001	3	0	1		4			30	30	20	20		100	100	INT
Semester VII																	
1	Program Elective-IV	*****	3	0	0		3	20		30						100	THEORY
2	Program Elective-III	*****	3	0	0		3	20		30						100	THEORY
3	Open Elective-2	*****	3	0	0		3	20		30						100	THEORY
4	Open Elective-3	*****	3	0	0		3	20		30						100	THEORY
6	Capstone Design Phase-I	BEE02P4002	0	0	0	8	8									50	Project
Semester VIII																	
1	Capstone Design phase - II	BEE02P4003	0	0	0	20	20									50	Project

Total Credit =161