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

Plot No. 2, Sector - 17A, Yamuna Expressway, Greater Noida, Distt.: Gautam Budha Nagar, Uttar Pradesh (India) 203201
Website : www.galgotiasuniversity.edu.in

School Name: School of Engineering

Department Name: Department of Electrical, Electronics & Communication

EngineeringProgram Name: B.Tech. (Electrical Engineering)

Scheme: 2016-2020

SEMESTER I						
Sl. No.	**Course Code**	**Course Title**	**L**	**T**	**P**	**C**
1	LLL111	Basic English	0	0	4	2
2	MAT113	Differential and Integral Calculus	3	0	0	3
3	PHY111	Modern Physics	3	0	0	3
4	PHY151	Physics Lab - I	0	0	2	1
5	CHY111	General Chemistry	3	0	0	3
6	CHY151	Chemistry Lab - I	0	0	2	1
7	EVS102	Environmental Science & Energy	0	0	2	1
8	EEE101	Basic Electrical and Electronics Engineering	3	0	0	3
9	EEE151	Basic Electrical and Electronics Engineering Lab	3	0	0	3
10	MEE152	Workshop Practice	0	0	2	1
SEMESTER II						
Sl. No.	**Course Code**	**Course Title**	**L**	**T**	**P**	**C**
1	MAT122	Matrices & Ordinary Differential Equations	3	0	0	3
2	PHY121	Condenced Matter Physics	3	0	0	3
3	PHY141	Physics Lab II	0	0	2	1
4	LLL101	Universal Human Values & Ethics	0	0	2	1
5	LLL123	English Proficiency and Aptitude Building-I	0	0	4	2
6	HUM201	Psychology & Sociology	3	0	0	3
7	CHY122	Nanoscience & Nanotechnology	3	0	0	3
8	CSE101	Computer Programming & Problem Solving	3	0	0	3
9	CSE151	Computer Programming and Problem Solving Lab	0	0	2	1
10	MEE151	Engineering Graphics	0	0	2	1
11	CHY141	Chemistry – II Lab	0	0	2	1
SEMESTER III						
Sl. No.	**Course Code**	**Course Title**	**L**	**T**	**P**	**C**
1	MAT212	Vector Calculus, Functions of Complex Variable and PED	3	0	0	3
2	ECE221	Digital Design	3	0	0	3
3	ECE242	Digital Design Lab	0	0	2	1

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4	EEE216	Network Analysis and Synthesis	3	0	0	3
5	EEE256	Network Analysis and Synthesis Lab	0	0	2	1
6	ECE213	Electromagnetic Field Theory	3	0	0	3
7	ECE215	Transform Techniques for Signals	3	0	0	3
8	ECE212	Electronic Devices and Circuits	3	0	0	3
9	EEEPB217	EEE Project Based Learning-I	0	0	2	1
10	LLL213	English Proficency and Apptitude Building-II	0	0	4	2
Total Credits						23

SEMESTER IV

Sl. No.	Course Code	Course Title	L	T	P	C
1	MAT222	Numerical Methods	3	0	0	3
2	MAT241	Numerical Methods Lab	0	0	2	1
3	EEE221	Electrical Measurement and Instrumentation	3	0	0	3
4	EEE241	Electrical Measurement and Instrumentation Lab	0	0	2	1
5	EEE223	Electrical Machine-I	3	0	0	3
6	EEE243	Electrical Machine-I Lab	0	0	2	1
7	EEE225	Fundamentals of Power System	3	0	0	3
8	ECE224	Analog Electronics Circuit	3	0	0	3
9	ECE244	Analog Electronics Circuit Lab	3	0	0	3
10	LLL222	English proficiency and Aptitude Building-III	0	0	4	2
11	EEEPB245	EEE Project Based Learning-II	0	0	2	1
12	EEE204	Non Conventional Energy Resources	3	0	0	3
Total Credits						26

SEMESTER V

Sl. No.	Course Code	Course Title	L	T	P	C
1	MAT312	Probability Theory and Stochastic Processes	3	0	0	3
2	ECE312	Microprocessors and Microcontrollers	3	0	0	3
3	ECE352	Microprocessors and Microcontrollers Lab	0	0	2	1
4	EEE313	Electrical Machine-II	3	0	0	3
5	EEE353	Electrical Machine-II Lab	0	0	2	1
6	EEE327	Control Systems	3	0	0	3
7	EEE357	Control Systems Lab	0	0	2	1
8	EEE314	Power System Analysis	3	0	0	3
9	EMP531	PLC	3	0	0	3
10	LLL312	English Proficiency dand Aptitude Building-IV	0	0	4	2
11	ELE317	Electrical Engineering Project Based Learning-III	0	0	2	1

SEMESTER VI

Sl.	Course	Course Title	L	T	P	C

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No.	Code					
1	LLL322	Campus to Corporate	0	0	4	2
2	ELE322	Electrical Machine Design	3	0	0	3
3	EEE323	Power Electronics	3	0	0	3
4	EEE304	Power System Operation Control	3	0	0	3
5	EEE411	Power System Protection and Switch Gear	3	0	0	3
6	ELE318	Electrical Engineering Project Based Learning-IV	0	0	2	1
7	EEE343	Power Electronics Lab	0	0	2	1
8	EEE451	Power System Protection and Switch Gear Lab	0	0	2	1
9	EMP352	Simulation Using MATLAB (ITS-2)	0	0	2	1
10	EEE303	Non Conventionl Energy Resources-II	3	0	0	3
11	EEE405	Industrial Automation and Control	3	0	0	3
SEMESTER VII						
Sl. No.	Course Code	Course Title	L	T	P	C
1	EEE412	Electric Drives	3	0	0	3
2	EEE452	Electric Drives Lab	0	0	2	1
3	MGT302	Industrial Economics and Management	3	0	0	3
4	EEE410	Industrial Internship	0	0	2	1
5	EEE419	Capstone Design-I	0	0	10	5
6	ELE418	Technical Proficiency in Electrical Engineering-III	1	0	0	1
7	ECE325	Neural Networks and Fuzzy Control	3	0	0	3
SEMESTER VIII						
Sl. No.	Course Code	Course Title	L	T	P	C
1	EEE429	Capstone Design -II	0	0	10	15