

**School Name: School of Engineering**

**Department Name: Department of Electrical, Electronics & Communication Engineering**

**Program Name: B.Tech. (Electrical Engineering)**

**Scheme: 2015-2019**

<b>SEMESTER I</b>						
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	LLL111	Basic English	0	0	4	2
2	CHY111	General Chemistry	3	0	0	3
3	MAT111	Matrices and Multivariable Calculus	3	0	0	3
4	PHY111	Modern Physics	3	0	0	3
5	CHY151	Engineering Chemistry-I Lab	0	0	2	1
6	PHY151	Physics-I Lab	0	0	2	1
7	EEE101	Basic Electrical & Electronics Engineering	3	0	0	3
8	EVS102	Environmental Science & Energy	3	0	0	3
9	FRE101	French	0	0	2	1
10	EEE151	Basic Electrical & Electronics Engineering Lab	0	0	2	1
11	MEE151	Engineering Graphics	0	0	2	1
<b>SEMESTER II</b>						
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	LLL121	English Proficiency	0	0	4	2
2	MAT121	Ordinary Differential Equations and Integral Transform	3	0	0	3
3	PHY121	Condensed Matter Physics	3	0	0	3
4	PHY141	Physics Lab-II	0	0	2	1
5	CHY122	Nanoscience and Nanotechnology	3	0	0	3
6	CHY141	Chemistry Lab II	0	0	2	1
7	HUM201	Psychology & Sociology	3	0	0	3
8	CSE101	Computer Programming and Problem Solving	3	0	0	3
9	CSE151	Computer Programming and Problem Solving Lab	0	0	2	1
10	LLL101	Universal Human Values and Ethics	3	0	0	3
11	MEE152	Workshop Practice	0	0	2	1
<b>SEMESTER III</b>						
<b>Sl. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MAT211	Partial Differential Equation and Complex Analysis	3	0	0	3
2	EEE216	Network Analysis & Synthesis	3	0	0	3
3	EEE256	Network Analysis & Synthesis Lab	0	0	2	1
4	ECE213	Electromagnetic Field Theory	3	0	0	3
5	EEE225	Fundamental of Power System	3	0	0	3
6	ECE215	Transform Techniques for Signals	3	0	0	3

7	LLL213	English Proficiency and Aptitude Building-II	0	0	4	2
8	ECE212	Electronics Devices and Circuits	3	0	0	3
9	EEE202	Electrical Engineering Materials	3	0	0	3
<b>SEMESTER IV</b>						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MAT221	Numerical Methods	3	0	0	3
2	MAT251	Numerical Methods Lab	0	0	2	1
3	EEE221	Electrical Measurements and Instrumentation	3	0	0	3
4	EEE241	Electrical Measurements and Instrumentation Lab	0	0	2	1
5	EEE223	Electrical Machines-I	3	0	0	3
6	EEE243	Electrical Machines-I Lab	0	0	2	1
7	EEE203	Power Generation	3	0	0	3
8	ECE224	Analog Electronics Circuit	3	0	0	3
9	ECE244	Analog Electronics Circuit Lab	0	0	2	1
10	LLL222	English proficiency and Aptitude Building-III	0	0	4	2
11	EEE204	Non conventional Energy Resources	3	0	0	3
<b>SEMESTER V</b>						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MAT312	Probability Theory and Stochastic Processes	3	0	0	3
2	EEE327	Control Systems	3	0	0	3
3	EEE357	Control Systems Lab	0	0	2	1
4	ECE312	Microprocessors and Microcontrollers	3	0	0	3
5	ECE352	Microprocessors and Microcontrollers Lab	0	0	2	1
6	EEE313	Electrical Machine-II	3	0	0	3
7	EEE353	Electrical Machine-II Lab	0	0	2	1
8	EEE314	Power System Analysis	3	0	0	3
9	LLL312	English Proficiency and Aptitude Building-IV	0	0	4	2
10	ELEPB319	EE Project Based Learning-III	0	0	2	1
<b>SEMESTER VI</b>						
Sl. No.	Course Code	Course Title	L	T	P	C
1	EEE321	Power System Protection & Switchgear	3	0	0	3
2	EEE341	Power System Protection & Switchgear Lab	0	0	2	1
3	ELE322	Electrical Machines Design	3	0	0	3
4	EEE325	Data structure using 'C'	3	0	0	3
5	EEE345	Data structure using 'C' Lab	0	0	2	1
6	EEE323	Power Electronics	3	0	0	3
7	EEE343	Power Electronics Lab	0	0	2	1
8	ITS319	IT Skills in Database	0	0	2	1
9	LLL322	Campus to Corporate	3	0	0	3
10	ELEPB348	EE Project Based Learning-IV	0	0	2	1

	EEE304	Power System Operation Control	3	0	0	3
<b>SEMESTER VII</b>						
Sl. No.	Course Code	Course Title	L	T	P	C
1	ELE411	Power System Deregulation	3	0	0	3
2	EEE412	Electric Drives	3	0	0	3
3	EEE452	Electric Drives Lab	0	0	2	1
4	MGT302	Industrial Economics and Management	3	0	0	3
5	ELE410	Industrial Internship for Electrical Engineering	0	0	2	1
6	EEE419	Capstone Design-I	0	0	10	5
7	EEE406	Utilization of Electrical Energy and Traction System	3	0	0	3
8	EEE404	Power Quality	3	0	0	3
<b>SEMESTER VIII</b>						
Sl. No.	Course Code	Course Title	L	T	P	C
1	EEE429	Capstone Design-II	0	0	10	15