

GALGOTIAS UNIVERSITY
Department of Electrical, Electronics and Communication Engineering
PROGRAM STRUCTURE
Curriculum Structure of M.Tech. in Power System Engineering

Semester 1																
Sl. No	Name of the Course	Course Code	L	T	P	S	C	IA1	MTE	IA2	La b	Lab Exam	Course Based Project	Total CIE mark	ETE	COURS E TYPE
1	Advanced Numerical & Statistical Methods	C1PC120T	3	1	0	0	4	25	50	25				100	100	THEORY
2	Analysis of Power Electronics Circuits	G2PI103B	3	0	1	0	4		50		25	25		100	100	INT
3	Power System Operation and Control	G2PI101T	3	0	0	0	3	25	50	25				100	100	THEORY
4	Modern Power System Analysis	G2PI104C	3	0	1	1	5		50		25		25	100	100	COMP
5	FACTS and HVDC	G2PI102T	3	0	0	0	3	25	50	25				100	100	THEORY
6	Professional and Communication Skills	CENG5001	0	0	2	0	2		50		25	25		100		INT
7	Foundations of Research Inclined Design Thinking (RIDT)	G2PH107T	1	0	0	0	1	25	50	25				100	100	THEORY
						Total	22									
Semester 2																
Sl. No	Name of the Course	Course Code	L	T	P	S	C	IA1	MTE	IA2	La b	Lab Exam	Course Based Project	Total CIE	ETE	COURS E TYPE
1	Modern Power System Protection	MPSE1601	3	0	0	0	3	25	50	25				100	100	THEORY
2	Power Electronics Applications in Renewable Energy Systems	MPSE1504	3	0	1	0	4		50		25	25		100	100	INT
3	Power Quality	MPSE1606	3	0	1	1	5		50		25		25	100	100	COMP
4	Electric and Hybrid Vehicles	MPSE2506	3	0	0	0	3	25	50	25				100	100	THEORY
5	Power System Dynamics and Stability	MPSE2502	3	0	0	0	3	25	50	25				100	100	THEORY
6	Applications of Research Inclined Design Thinking (RIDT)	*****	1	0	0	0	1	25	50	25				100	100	THEORY
						Total	19									
Semester 3																
Sl. No	Name of the Course	Course Code	L	T	P	S	C	IA1	MTE	IA2	La b	Lab Exam	Course Based Project	Total CIE mark	ETE	COURS E TYPE
1	Demand side Energy Management	MPSE1609	3	0	0	0	3	25	50	25				100	100	THEORY
2	Soft computing Techniques	MPED1604	3	0	0	0	3	25	50	25				100	100	THEORY
3	Capstone Design-I	MPSE9998	0	0	0	12	12						100	100	100	Project
4	Specialized Topics in Research Centric Design Thinking	*****	1	0	0	0	1	25	50	25				100	100	THEORY
						Total	19									
Semester 4																
Sl. No	Name of the Course	Course Code	L	T	P	S	C	IA1	MTE	IA2	La b	Lab Exam	Course Based Project	Total CIE mark	ETE	COURS E TYPE
1	Capstone Design-II	MPSE9999	0	0	0	20	20						100	100	100	Project
2	Capstone Project and Research Dissemination	*****	0	0	0	1	1									
						Total	21									

Semeters	Credit
Semeters-1	22
Semeters-2	19
Semeters-3	19
Semeters-4	21
Total	81