



GALGOTIAS UNIVERSITY

Proposed Diploma EE (Renewable energy) Programme Structure

School/Dept.	University Polytechnic				Program Name				Diploma in Electrical Engineering (Renewable energy)		
Semester	I										
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Mode of Course		
1	N1DF101T	APPLIED MATHEMATICS-I	3	1	0	0	4	4	Offline		
2	N1DL101T	ENGINEERING GRAPHICS	1	2	0	0	3	3	Offline		
3	N1DF101B	APPLIED PHYSICS-I	2	1	1	0	4	5	Offline		
4	N1DF106B	BASIC COMMUNICATION & COMPUTER SKILLS	2	0	2	0	4	6	Offline		
5	N1DL102C	WORKSHOP PRACTICE	2	0	2	1	5	6	Offline		
6	N1DF103T	ENVIRONMENT EDUCATION & DISASTER MANAGEMENT	2	0	0	0	0	2	Offline		
		Total Semester Credit					20				
Semester	II										
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Mode of Course		
1	N1DF201T	APPLIED MATHEMATICS-II	3	1	0	0	4	4	Offline		
2	N1DF201B	APPLIED PHYSICS-II	2	1	1	0	4	5	Offline		
3	N1DF202B	PROFESSIONAL COMMUNICATION	2	0	2	0	4	6	Offline		
4	N1DI201B	BASIC ELECTRICAL ENGG.	2	0	1	0	3	4	Offline		
5	N1DF101C	BASIC CHEMISTRY	3	0	1	1	5	5	Offline		
		Total Semester Credit					20				
Semester	III										
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Mode of Course		
1	N1DF301T	APPLIED MATHEMATICS-III	3	0	0	0	3	3	Offline		
2	N1DI301T	ELECTRICAL & ELECTRONICS ENGG. MATERIALS	3	0	0	0	3	3	Offline		
3	N1DI306T	ELECTRICAL MEASUREMENTS AND MEASURING INSTRUMENTS	2	0	0	0	2	2	Offline		
4	N1DI303B	BASIC ELECTRONICS ENGINEERING	3	0	1	0	4	5	Offline		
5	N1DI305B	ELEMENTARY MECHANICAL AND CIVIL ENGINEERING	2	0	1	0	3	4	Offline		
6	N1DI305C	ELECTRICAL MACHINE-I	3	0	1	1	5	5	Offline		
7	N1DJ301B	Fundamental of renewable energy resources	3	0	1	0	4	5	Offline		
		Total Semester Credit					24				
Semester	IV										
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Mode of Course		
1	N1DI401T	TRANSMISSION AND DISTRIBUTION OF ELECTRICITY	3	0	0	0	3	3	Offline		
2	N1DI402B	ELECTRICAL & ELECTRONICS INSTRUMENTATION	3	0	1	0	4	5	Offline		
3	*****	ELECTRICAL DESIGN, DRAWING AND ESTIMATION	3	0	1	1	5	5	Offline		
4	N1DI405T	SWITCHGEAR AND PROTECTION	3	0	0	0	3	3	Offline		
5	N1DI407B	INDUSTRIAL ELECTRONICS AND CONTROL	3	0	1	0	4	5	Offline		
6	N1DI406L	PLC, MICRO CONTROLLER & SCADA LAB	0	0	1	0	1	2	Offline		
7	N1DF408T	ENTREPRENEURSHIP and STARTUP	2	0	0	0	0	2	Offline		
8	N1DJ401B	Installation , Maintenance & Monitoring of Renewable Energy Power Plant	3	0	1	0	4	5	Offline		
		Total Semester Credit					24				

Semester		V							
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Mode of Course
1	N1DI504B	ELECTRICAL MACHINES-II	3	0	1	0	4	5	Offline
2	*****	INTRODUCTION TO ELECTRIC GENERATION SYSTEMS	2	0	1	0	3	4	Offline
3	N1DI511C	INSTALLATION, MAINTENANCE AND REPAIR OF ELECTRICAL MACHINES	3	0	1	1	5	5	Offline
4	*****	ELECTIVE-I*	3	0	0	0	3	3	Offline
5	*****	ELECTIVE-II*	3	0	0	0	3	3	Offline
6	N1DF520L	PERSONALITY DEVELOPMENT & SOFT SKILLS	0	0	2	0	2	4	Offline
7	N1DF521L	APPLICATIONS OF COMPUTER SOFTWARE IN ELECTRICAL ENGINEERING LAB	0	0	1	0	1	2	Offline
8	*****	Open Elective *	2	0	1	0	3	4	Offline
9	N1DJ501B	Renewable Energy Instrumentation Applications	3	0	1	0	4	5	Offline
		Total Semester Credit					28		
Semester		VI							
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Mode of Course
1	*****	PROJECT	0	0	10	0	10		Offline
2	*****	INDUSTRIAL INTERNSHIP	0	0	4	0	4		Offline
3	*****	INDUSTRIAL TRAINING	0	0	2	0	2		Offline
		Total Semester Credit					16		

Total Program Credit	132
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Programme Elective									
School/Dept.		University Polytechnic	Program Name				Diploma in Electrical Engineering		
Basket Name		ELECTIVE-I*							
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Mode of Course
1	*****	RENEWABLE SOURCE OF ENERGY	3	0	0	0	3	3	Offline
2	*****	UTILIZATION OF ELECTRICAL ENERGY	3	0	0	0	3	3	Offline
3	*****	SOLAR POWER TECHNOLOGIES	3	0	0	0	3	3	Offline
4	*****	ENERGY CONSERVATION AND AUDIT	3	0	0	0	3	3	Offline
Basket Name		ELECTIVE-II*							
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Mode of Course
1	*****	INDUSTRIAL DRIVES	3	0	0	0	3	3	Offline
2	*****	INDUSTRIAL AUTOMATION & CONTROL	3	0	0	0	3	3	Offline
3	*****	INDUSTRIAL INSTRUMENTATION AND CONDITION MONITORING	3	0	0	0	3	3	Offline
4	*****	MICROCONTROLLER APPLICATIONS	3	0	0	0	3	3	Offline
Open Elective									
Basket Name		Open Elective *							
S. No.	Course Code	Course Title	L	T	P	S	Credits	Hours	Mode of Course
1	*****	Introduction to IOT	2	0	1	0	3	4	Offline
2	*****	Artificial Intelligence	3	0	0	0	3	3	Offline
3	*****	Renewable Energy Technologies	3	0	0	0	3	3	Offline
4	*****	Sustainable Development	3	0	0	0	3	3	Offline
5	*****	Cyber Security Law and Standards and IPR	3	0	0	0	3	3	Offline
6	*****	Digital Marketing	3	0	0	0	3	3	Offline
7	*****	Soft Computing Techniques	3	0	0	0	3	3	Offline