



ELECTRICITY TRAINING PROGRAM

Date: January - December 2020-2022
(ALL PROGRAMMES AVAILABLE)

DURATION and FEES:

1 week	\$3,650
2 weeks	\$5,500
3 weeks	\$7,250

COURSE CODE	COURSE TITLE	DURATION
PDE01	Power Distribution Equipment	1- 3 Weeks
ET02	Electricity Trading	1- 3 Weeks
TNS03	Trade Negotiations Skills	1- 3 Weeks
RCM04	Revenue Collection Management	1- 3 Weeks
TS05	Tariffs Setting (power sector tariff making)	1- 3 Weeks
RES06	Renewable Energy and Sustainability	1- 3 Weeks
MEDP07	Monitoring & Evaluation of Donor Projects	1- 3 Weeks
EECMP08	Energy Economics, Conflict Management Programme	1- 3 Weeks
PQR09	Power Quality and Reliability	1- 3 Weeks
ADR010	Alternative Dispute Resolution (Arbitration)	1- 3 Weeks
PSPR011	Power System Protection and Reliability	1- 3 Weeks
MVHVSOM012	Medium Voltage & High Voltage Switchgear Operations & Maintenance	1- 3 Weeks
REI013	Renewable Energy Integration	1- 3 Weeks
PPOC014	Power Plant Operations & Control	1- 3 Weeks
EDGSCPS015	Economic Dispatch & Grid Stability Constraints in Power System	1- 3 Weeks
PSP016	Power System Protection	1- 3 Weeks
EPSNE017	Electrical Power Systems for Non-Engineers	1- 3 Weeks
EF018	Electrical Faults: Causes, Analysis, Detection & Remedies	1- 3 Weeks
IRED019	Impact of Renewable Energy Sources	1- 3 Weeks
ROPEPS020	Reliability & Operational Performance of Electric Power Systems	1- 3 Weeks
ESDTC021	Electrical Substation Design, Testing and Commissioning Procedure	1- 3 Weeks
EDGSCPS022	Economic Dispatch & Grid Stability Constraints in Power System	1- 3 Weeks
UDSP023	Utility Distribution System Planning	1- 3 Weeks
SGNE024	Smart Grid for Non-Engineers	1- 3 Weeks
PSA025	Power System Analysis	1- 3 Weeks
SOMCBS026	Safe Operations & Maintenance of Circuit Breakers & Switchgears	1- 3 Weeks
PSHAMSS027	Power System Harmonics Analysis, Mitigation and Solution Strategies	1- 3 Weeks



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EFMPIO28	Effective Financial Modelling in the Power Industry	1- 3 Weeks
WIF029	Water Industry Fundamentals	1- 3 Weeks
IHS030	Industrial Heating Systems	1- 3 Weeks
ETRIT031	Electrical Troubleshooting , Repairs and Isolations Techniques	1- 3 Weeks
GM032	Generator Maintenance	1- 3 Weeks
PDEU033	Power Distribution Engineering For Utilities	1week
PSAENPS034	Power System Analysis In Electrical Networks Using ETAP Power Station	1- 3 Weeks
PTT035	Power Transmission Technologies	1- 3 Weeks
AESPGTU036	Application Of Electrical Science To Power Generation, Transmission and Utilization	1- 3 Weeks
BEID037	Basic Electrical and Instrumentation Design	1- 3 Weeks
BCBMS038	Boiler Control and Burner Management Systems	1- 3 Weeks
CCST039	Certified Control Systems Technician (CCST)	1- 3 Weeks
CBSIMDRT040	Circuit Breakers and Switchgears Inspection, Maintenance, Design, Repair and Troubleshooting	1- 3 Weeks
CCS041	Combustion Control System	1- 3 Weeks
CTSES042	Commissioning, Testing and Startup Of Electrical Systems	1- 3 Weeks
CMPSE043	Condition Monitoring Of Power System Equipment	1- 3 Weeks
CTSF044	Configuring and Testing Smart Field Devices	1- 3 Weeks
DES045	Design Of Electric Switchboards (IV and MV) Only Of Design and Engineering Engineers	1- 3 Weeks
DMEDS046	Design Of Modern Electrical Distribution Systems	1- 3 Weeks
DPGMT047	Diesel Power Generating Maintenance and Troubleshooting	1- 3 Weeks
DOTLE048	Distribution Overhead Transmission Line Equipment	1- 3 Weeks
EBLSPSE049	Earthing, Bonding, Lightning and Surge Protection Of Electrical Systems and Equipment	1- 3 Weeks
EUIDS050	Earthing Of Utility and Industrial Distribution System	1- 3 Weeks
EDSE051	Electric Distribution System Equipment	1- 3 Weeks
EPDSIP052	Electric Power Distribution System For Industrial Plants	1- 3 Weeks
EPSE053	Electric Power Substation Engineering	1- 3 Weeks
ECPD054	Electrical Controls Panel Designing	1- 3 Weeks
EEPFE055	Electrical Engineering Practices For Facilities Engineer	1- 3 Weeks
EETIRUPSG056	Electrical Equipment Transformers, Inverters, Rectifiers, Uninterruptible Power Systems, Generators	1- 3 Weeks
EEH057	Electrical Equipment In Hazardous	1- 3 Weeks
EEICSTSES058	Electrical Equipment Installation Control Systems Commissioning Testing Start Up Of Electrical System	1- 3 Weeks



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EFCADR059	Electrical Faults Causes, Analysis, Detection and Remedies	1- 3 Weeks
EIT060	Electrical Inspection and Testing	1- 3 Weeks
FSCMMT061	Flow Selection Criteria and Multiphase Measurement Technology	1- 3 Weeks
FES062	Fundamentals Of Electrical Systems	1- 3 Weeks
GES063	Generator Excitation Systems	1- 3 Weeks
HAC064	Hazardous Area Classification	1- 3 Weeks
HMVSDTM065	High and Medium Voltage Substation Design, Testing and Maintenance	1- 3 Weeks
HVOSET066	High Voltage Operational Safety For Engineers and Technicians	1- 3 Weeks
MPMF067	Motors and Protection Methods For Future	1- 3 Weeks
IAu068	Industrial Automation Using PLC	1- 3 Weeks
IPMC069	Industrial Process Measurement and Control	1- 3 Weeks
IREDD070	Introduction To Reading Of Electrical Drawings and Diagrams	1- 3 Weeks
ETP071	LV MM HV Circuit Breakers (Switchgear) Inspection, Maintenance, Design, Repair and Troubleshooting	1- 3 Weeks
MTSBPS072	Maintenance and Troubleshooting Of UPS Systems and Battery Power Supplies	1- 3 Weeks
MDCS073	Modern Distributed Control Systems (DCS) - Practical Applications and Troubleshooting	1- 3 Weeks
MEPSMAPS074	Modern Electric Power Systems Design, Modelling, Analysis and Problem Solving	1- 3 Weeks
MPSPR075	Modern Power System Protective Relaying	1- 3 Weeks
EPE076	MV Circuit Breakers Design, Application and Maintenance	1- 3 Weeks
EPE077	Operation and Maintenance Of Circuit Breakers and Switchgears	1- 3 Weeks
OLMC078	Overhead Lines, Maintenance and Construction	1- 3 Weeks
PPS079	Power and Power Stations (Design, Installation and Maintenance)	1- 3 Weeks
PCASPPM080	Power Capacitors - Applications, Switching Problems, Protection and Maintenance	1- 3 Weeks
PPTEPS081	Power Plant Troubleshooting and Engineering Problem Solving	1- 3 Weeks
PSACEN082	Power System Analysis and Calculations In Electrical Networks Using ETAP Power Station	1- 3 Weeks
PSB083	Power System Blackouts (Cause and Preventive Measures)	1- 3 Weeks
PSPCS084	Power Systems Protection - Control and Stability	1- 3 Weeks



COURSE CODE	COURSE TITLE	DURATION
PTDMMLE085	Power Transformer Diagnostic, Method, Maintenance and Lifetime Extension	1- 3 Weeks
PDTOM086	Practical Distribution Transformers - Operation and Maintenance	1- 3 Weeks
PGBSSP087	Practical Grounding, Bonding, Shielding and Surge Protection	1- 3 Weeks
PIDCT088	Practical Industrial Data Communications and Telecommunications	1- 3 Weeks
POMTDPGP089	Practical Operation, Maintenance and Testing Of Diesel Power Generation Plants	1- 3 Weeks
PLCS090	Programmable Logic Controllers (PLC) and SCADA System	1- 3 Weeks
PSGRS091	Protection Schemes For Generators and Recommended Settings	1- 3 Weeks
SIS092	Safety Instrumented Systems (SIS) For Process Industries Using IEC 65 and IEC 6508	1- 3 Weeks
SSAPCV093	Sizing, Selecting, and Applying Process Control Valves	1- 3 Weeks
SPSTM094	Solar Power System Theory and Maintenance	1- 3 Weeks
TELCT095	Test Equipment and Link Cable Testing	1- 3 Weeks
TEECS096	Troubleshooting Of Electrical Equipment and Control Systems	1- 3 Weeks
TMPACEMD097	Troubleshooting, Maintenance and Protection Of AC Electrical Motors and Drives	1- 3 Weeks
TCLFAC098	Tuning Control Loops, Feedback and Advanced Controllers	1- 3 Weeks