

ECG Training Centre

New Programs

Power System Programs	Renewable Energy Programs	Industrial & Utility Technical Consulting Programs	Other Programs
<ul style="list-style-type: none"> ✦ Power Distribution System Planning ✦ Power Distribution Network and Medium/Low Voltage Substation Design & Construction ✦ Practical Power Distribution Protection & Control Designs and Commission Testing and Protection Relay Coordination Studies and Electrical Arc Flash Studies for Indoor & Outdoor Substations ✦ Overhead & Underground Power Network and Substation Maintenance ✦ Maintenance of Electrical Power Equipment in Utilities and Industries ✦ Internships Training in Electrical Power System for Students in Tertiary Institutions ✦ Power System Operations & Safety, Health & Environment ✦ Technical Training & Certification for Electrical Contractors in the following areas: 	<ul style="list-style-type: none"> ✦ Practical Technical Training in Solar PV System Designs & Installations, etc. ✦ Integration of Distributed Energy Resources (DER) into electrical power grids 	<ul style="list-style-type: none"> • Power System/Protection Relaying Coordination Review Study • Testing of Power Protection Systems • Power System Fault Study (Short Circuit & Earth Fault Analysis) • Arc Flash Study/Assessment for industrial installations • Power Flow & Power Quality Assessments, Energy Audits, Reactive Power Management Study & Implementation • Implementation of Automation Systems in the operation of Plants • Maintenance of Plant/Substation Equipment • Safety Health & Environment 	<ul style="list-style-type: none"> ✦ Safety Health & Environment (SHE)/OSHA Certification Trainings ✦ Digital Competency Programs <ul style="list-style-type: none"> ✓ Data Analytics Training ✓ Cyber Security Trainings ✓ Microsoft Power Point Development Training ✓ Advanced Microsoft Excel Training ✦ Practical Project (PMP), Contract & Business Management ✦ Introduction to Arduino Microprocessor, Raspberry Pi, Robotics and Internet of Things (IoT), Python and C++ programming, Artificial Intelligence (AI) Applications in Power Systems ✦ Electricity Pricing ✦ Power Purchase Agreement ✦ Energy Communications ✦ Heavy Industrial Equipment Operations Trainings

<ul style="list-style-type: none"> ✦ Network Construction Best Practices & Standards and Site Management Practices ✦ Energy Commission Electrical Installation Tests ✦ Network Grounding & Lightning Protection Systems and Improvement ✦ Electrical Services/Installations ✦ Street Lights Installation & Maintenance ✦ Facilities Management ✦ Practical Training in Electrical Wiring for High Rise Buildings ✦ Electrical Power System Automation Training in: <ul style="list-style-type: none"> <input type="checkbox"/> Distribution Automation Systems (DAS) <input type="checkbox"/> Substation Automation Systems (IEC 61850-SAS & SCADA) operation <input type="checkbox"/> Industrial Automation (PLCs, etc.), Industrial Power System and Electric Drives & Motor Controls ✦ Modern Metering Systems for Utilities and Industries ✦ Electrical Blue-Print Reading & Interpretation for Utilities & Industries 		<ul style="list-style-type: none"> • Occupational Safety and Health Administration (OSHA)- Certification • Electrical Blue Print Reading Training & Electrical Wiring Fault Tracing • Grounding & Lightning Protection Improvement Study and implementation • Study & Design for Integration of Distributed Energy Resources-DER (<i>e.g., Solar PV and Conventional Power Plants</i>) to the grid • 	<ul style="list-style-type: none"> ✦ Corporate & Modern Business Practices/Ethics
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- ✦ Energy Conservation Training for Industries/Institutions
- ✦ Optimal Low Voltage Network Planning & Designs for Technical Loss Reduction for Electric Utility Engineers
- ✦ Customized/Tailor Made Technical Training Packages in Electrical Power Systems
- ✦ Online Power System Training Programs (Recorded & Real Time Modules)