مركز المستشار الوطني للتدريب
National Consultant Centre For Training

NCC In-House Training Courses
In

Electrical Engineering

1. Advance electrical troubleshooting, repairs and isolations techniques
2. AC Electrical Motors & Drivers
3. Advance Maintenance Management for Electrical Equipment
4. Advanced & Design of Modern Electrical Distribution Systems Technology
5. Advanced Generator Maintenance
6. Advanced Generator Maintenance
7. Advanced Operation & Maintenance of Circuit Breakers & Switchgears
8. Advanced Power Distribution Engineering for Utilities
9. Advanced Power System Analysis in Electrical Networks Using ETAP Power Station
10. Advanced Power Transmission Technologies
11. Advanced Variable Speed Drives
12. Application of Electrical Science To Power Generation, Transmission and Utilization
13. Basic Electrical and Instrumentation Design
14. Basic of Electricity
15. Boiler Control & Burner Management Systems
16. Certified Control Systems Technician (CCST)
17. Circuit Breakers & Switchgears Inspection, Maintenance, Design, Repair & Troubleshooting
18. Combustion Control System
19. Commissioning and Troubleshooting Control Systems
20. Commissioning, Inspecting, Testing and Maintenance for Low, Medium and High Voltage Electric Power Equipment
21. Commissioning, Testing and Start-Up of Electrical Systems
22. Competitive Electricity Markets: The Deregulation
23. Condition Monitoring of Power System Equipment
24. Configuring and Testing Smart Field Devices
25. Control Valve & S/D Valve Maintenance & Troubleshooting
26. DCS Simulation Program
27. DCS Troubleshooting
28. Design of Electric Switchboards (LV & MV) Only Of Design & Engineering Engineers
29. Design of Modern Electrical Distribution Systems
30. Design of Protection System
31. Diesel Power Generating Maintenance & Troubleshooting
32. Distribution Network System Design & Planning
33. Distribution Overhead Transmission Line Equipment
34. Distribution Reliability and Power Quality
35. Distribution System Planning in Electrical Network

تليفون : ٦٦٥٨٢٠٠ ٢ (٩٧١+) - فاكس : ٦٦٥٣٣٠٣ ٢ (٩٧١+) - ص.ب : ٢٦٣٥٦ - أبوظبي - الإمارات العربية المتحدة
Tel. : (+971) 2 6658200 Fax. : (+971) 2 6653303 - P.O. Box : 26356 - Abu Dhabi - United Arab Emirates
www.nccfortraining.com Email : natconsl@emirates.net.ae

36. Earthing, Bonding, Lightning & Surge Protection of Electrical & Electronic Systems and Equipments
37. Earthling of Utility and Industrial Distribution System
38. Effective HVAC Maintenance &Troubleshooting
39. Electric Distribution System Equipment Preventive Maintenance (EPM) & Engineering Principles
40. Electric Distribution System Equipment Transformers, Switchgears, Circuit Breakers
41. Electric Energy Essentials
42. Electric Motor Diagnostic & Motor Overview
43. Electric Power Distribution System for Industrial Plants
44. Electric Power Substation Engineering
45. Electric Power Substation: Maintenance, Grounding & Safety
46. Electrical and Instrumentation Equipment Precaution, Selection and Application in Hazardous Atmosphere
47. Electrical Circuit
48. Electrical Demand Side Management (DSM)
49. Electrical Distribution Equipment Operation & Maintenance
50. Electrical Drawings And Schematics
51. Electrical Energy Essentials
52. Electrical Engineering Practices for Facilities Engineer
53. Electrical Equipment & Control Systems Commissioning, Testing & Start-up of Electrical Systems
54. Electrical Equipment in Hazardous Atmosphere
55. Electrical Equipment Installation Control Systems Commissioning- Testing Start Up of Electrical System
56. Electrical Equipment: Transformers, Inverters, Rectifiers, Uninterruptable Power Systems, Generators
57. Electrical Fault Finding and Troubleshooting
58. Electrical Faults: Causes, Analysis, Detection & Remedies
59. Electrical Hazardous and Safety
60. Electrical Inspection & Testing Workshop
61. Electrical Installation, Maintenance and Equipment Reliability
62. Electrical Installations in Hazardous Areas: Classification, Safe Handling, Operation & Maintenance
63. Electrical Maintenance Management for Mechanical Supervisors
64. Electrical Maintenance Testing Inspection & Risk Assessment
65. Electrical Motor Startup
66. Electrical Motors
67. Electrical Power Distribution of Industrial Plants
68. Electrical Power Generator
69. Electrical Safety
70. Electrical System Troubleshooting
71. Electricity Wiring Regulations Course E1
72. Emergency Shutdown (ESD) Applications
73. Fault Analysis in Electrical Networks & Distribution Cables

74. Fiber Optics Network Planning & Design
75. Flow Level Pressure & Temperature Control System
76. Flow Selection Criteria & Multiphase Measurement Technology
77. Fundamentals of Electrical Systems
78. Generator Excitation Systems: Design, Commissioning, Operation, Maintenance, Performance Analysis, Testing, Tuning, Repair & Troubleshooting
79. Hazardous Area Classification
80. High and Medium Voltage Substation Design, Testing and Maintenance
81. High Voltage Operational Safety for Engineers & Technicians (OSHA, NFPA & EN Standards)
82. HT Motors and Protection Methods for Future
83. HV Electrical Safety
84. HV Motors & Transformers: Design, Operations & Trouble-Shooting
85. Industrial Automation Using PLC
86. Instrumentation & Essentials of Process Control
87. Instruments & Controls Maintenance Troubleshooting & Calibration
88. Interpretation of Electrical Drawings
89. Introduction to Electrical Engineering
90. Introduction to Reading Of Electrical Drawings & Diagrams
91. Introduction to Telecommunications
92. LV/MV/HV Circuit Breakers (Switchgear): Inspection, Maintenance, Design, Repair & Troubleshooting
93. Maintenance & Reliability Best Practices Lowering Life Cycle Cost of Equipment
94. Maintenance and Troubleshooting of Ups Systems (Uninterrupted Power Supply) and Battery Power Supplies
95. Measurement and Instrument For Process Variables
96. Meters Installation, Testing, Calibration, and Efficiency Measures
97. Modern Distributed Control Systems (DCS): Practical Applications & Troubleshooting
98. Modern Electric Power Systems: Design, Modeling, Analysis & Problem Solving
99. Modern Electrical Power System
100. Modern Power System Protective Relaying
101. Motors & Variable Speed Drives: Selection, Applications, Operation, Diagnostic Testing, Protection, Control, Troubleshooting and Maintenance
102. MV Circuit Breakers: Design, Application & Maintenance
103. National Electrical Safety Code (NESC)
104. Operation & Maintenance of Circuit Breakers & Switchgears
105. Overhead Lines, Maintenance & Construction
106. Performance Analysis, Predication and Optimization Using NOODLE Analysis
107. Planning, Justifying and Executing Automation And Control Projects
108. PLC & SCADA for Automation & Process Control
109. Power Distribution Cables
110. Power Cable Splicing, Termination and Testing
111. Power Cable Testing & Fault Location
112. Power Capacitors: Applications, Switching Problems, Protection & Maintenance
113. Power Generation & Distribution Systems

114. Power Generation & Transmission
115. Power Network Essentials
116. Power Quality, Earthing & Bonding
117. Power Supply - Transformers
118. Power System Analysis & Calculations in Electrical Networks Using ETAP Power Station
119. Power System Blackouts (Cause & Preventive Measures)
120. Power System Dynamics
121. Power System Harmonics, Distribution and Protection
122. Power System Protection & Analysis
123. Power Systems Protection: Control & Stability
124. Power Transformer Diagnostic, Method, Maintenance and Lifetime Extension
125. Power Transformer Failure Analysis & Troubleshooting
126. Practical Distribution Transformers - Operation and Maintenance
127. Practical Fiber Optics Technology
128. Practical Grounding, Bonding, Shielding and Surge Protection
129. Practical High Voltage Cable Jointing & Termination
130. Practical Industrial Data Communications & Telecommunications
131. Practical Instrumentation for Automation & Process Control
132. Practical Process Instrumentation & Automatic Control
133. Practical Pump & Valve Technology
134. Practical Troubleshooting of Electrical Equipment & Control Systems
135. Process Control Instrumentation & Sensors
136. Process Measurements & Instrumentation
137. Programmable Logic Controllers (PLC) & SCADA System
138. Protection of Electrical Power System
139. Protection Schemes for Generators & Recommended Settings
140. Pumps Operations, Maintenance & Performance in Power Plants
141. Root Cause Failure Analysis
142. Safe Handling, Operation & Maintenance of Electrical Equipment in Hazardous Areas
143. Safety Instrumented Systems (SIS) & Emergency Shutdown Systems (ESD) in Process Industry
144. Safety Instrumented Systems (SIS) For Process Industries Using IEC 61511 and IEC 61508
145. Sizing, Selecting, and Applying Process Control Valves
146. Solar Power System Theory and Maintenance
147. Substation Maintenance & Troubleshooting of Switchgears & SF6
148. System Earthing & Protective Earthing in Utilities & Industrial Networks
149. Test Equipment and Link-Cable Testing
150. Transformer Operational Principles, Selection & Troubleshooting
151. Troubleshooting of Electrical Equipment & Control Systems
152. Troubleshooting, Maintenance & protection of AC electrical motors & drives
153. Tuning Control Loops, Feedback and Advanced Controllers
154. Uninterrupted Power Supply (UPS)
155. UPS Maintenance & Trouble Shooting

156. Variable Frequency Drives
157. Variable Speed Drives (VSD)
158. Water Desalination Technology
159. Wind Energy Utilization