

NFPA 70B Standard for Electrical Equipment Maintenance (8-hour for Maintenance Technicians)



NTT's NFPA 70B Standard for Electrical Equipment Maintenance (8-hour for Maintenance Technicians) course provides an in-depth overview of the 2023 edition of NFPA 70B, which has transitioned from a recommended practice to a mandatory standard. This course is designed to help organizations implement an Electrical Maintenance Program (EMP) that enhances electrical safety, minimizes unexpected failures, and reduces downtime. Learners will gain knowledge about essential maintenance intervals, condition-based maintenance strategies, and best practices for ensuring compliance and safety in electrical systems.

WHAT THIS COURSE COVERS

- Introduction to NFPA 70B and Its Transition to a Standard
- General Requirements for Electrical Equipment Maintenance
- Understanding Electrical Maintenance Programs (EMP)
- Risk Assessments and Safety Protocols
- Single-Line Diagrams and System Studies
- Essential Maintenance Intervals and Condition-Based Maintenance
- Insulation Resistance Testing and Infrared Thermography
- Field Testing and Fundamental Test Methods

COURSE OUTCOMES

As a result of completing this course, learners will be able to:

- Minimize Downtime by Implementing a Proactive Electrical Maintenance Program
- Ensure Compliance with NFPA 70B to Improve Workplace Safety and Reduce Liability
- Enhance Equipment Reliability Through Condition-Based and Predictive Maintenance Strategies
- Identify and Apply Critical Electrical Testing Methods to Detect Potential Failures
- Optimize Maintenance Schedules to Control Costs and Extend Equipment Life
- Reduce Risk of Electrical Hazards Through Proper Inspection and Testing

WHO SHOULD TAKE THIS

- Maintenance Technicians
- Electrical Engineers
- Plant Managers
- Electrical Supervisors
- Facility and Building Maintenance Personnel
- Operations and Maintenance Teams

COURSE FEATURES

- Instructor-Led Discussions on NFPA 70B Standards and Compliance
- Hands-on Exercises in Electrical Maintenance Best Practices
- Interactive Case Studies on Equipment Failures and Risk Mitigation
- Step-by-Step Guidance on Condition-Based Maintenance Strategies
- Q&A Sessions for Personalized Insights and Troubleshooting



Lecture



Hands-on

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ONSITE: 1-day (8 hours)

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LIVE ONLINE: 1-Day (8 hours)



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NFPA 70B Sales Overview Agenda v01282025