

Predictive Maintenance Overview



A DIVISION OF ECPI UNIVERSITY

Predictive Maintenance (PdM) differs from preventive maintenance in that it is determined by the condition of equipment rather than average or expected life statistics. It attempts to predict failure before it actually happens by monitoring equipment performance during normal operations. Analytic tools are used to identify early stage of deterioration and develop course of action to monitor more frequently or plan and schedule for repair.

An effective predictive maintenance program is all about collecting and interpreting equipment operational data correctly. In this one-day seminar you will become familiar with the benefits and the limitations of the various analytical tools used in the predictive maintenance (PdM) field. Further, you will learn how to setup and maintain an effective PDM program in your organization.

WHAT THIS COURSE COVERS

- Predictive Maintenance Fundamentals and Strategy
- Where and when to use Available Tools
- Vibration Analysis
- Infrared Thermography
- Ultrasonic Testing
- Tribology
- How to Start a Predictive Maintenance Program in your Organization
- How to Create and Establish Proactive Maintenance Standards

WHO SHOULD TAKE THIS

- Electricians, Mechanics and Maintenance Technicians
- HVAC Technicians
- Plant and Facility Engineers, Managers and Superintendents
- Environmental Health & Safety Personnel
- Energy Management Personnel Stationary Engineers

COURSE OUTCOMES

- Apply predictive maintenance fundamentals and practices to reduce operating costs and equipment down time for higher productivity and profitability
- Application of predictive maintenance techniques for monitoring equipment performance.
- Interpret data correctly to increase equipment reliability and minimize downtime

COURSE AGENDA

- Predictive Maintenance Techniques
- Vibration Monitoring and Analysis
- Thermography
- Tribology
- Ultrasonics
- Parameters and Analysis
- Predictive Maintenance Program



Lecture



Hands-on



ONSITE: 1-day (8 hours)



LIVE ONLINE: 1-Days (8 hours)



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