

CONDITION-BASED MAINTENANCE FOR ENGINEERS: PRECISION IN PREDICTIVE EXCELLENCE

Overview:

Elevate your engineering skills and embrace the future of maintenance with our Condition-Based Maintenance Training Program. Tailored for engineers, this program will empower you with the knowledge and techniques needed to transition from reactive to proactive maintenance strategies. Join us to become a leader in precision maintenance through condition-based approaches.

Program ID : TG-CBM0103

Duration : 3 days

Time : 9 a.m. -5 p.m.

In-house training is available on request.



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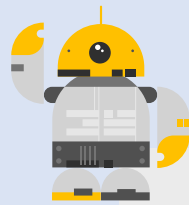
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Total Growth Solution



KEY MODULES



1. Introduction to Condition-Based Maintenance (CBM):

- ❖ Fundamentals of CBM:
 - Explore the core principles of Condition-Based Maintenance and its significance in modern engineering practices.
- ❖ Comparison with Traditional Maintenance:
 - Understand how CBM differs from traditional maintenance approaches and its advantages.

2. Predictive Maintenance Technologies:

- ❖ Sensor Technologies:
 - Dive into various sensor technologies used for data collection in CBM.
- ❖ IoT Integration:
 - Explore how the Internet of Things (IoT) enhances predictive maintenance capabilities.
- ❖ Data Acquisition and Analysis:
 - Learn techniques for collecting and analyzing data to make informed maintenance decisions.

3. Condition Monitoring Strategies:

- ❖ Integrate condition monitoring techniques into CBM for a comprehensive approach.

PROGRAM HIGHLIGHTS:

COMPREHENSIVE LEARNING MATERIAL:

Move from reactive to proactive maintenance strategies with CBM and condition monitoring.

Reduce unplanned downtime and maintenance costs through precision maintenance.

Improve the reliability and performance of critical assets through predictive excellence.

WHO SHOULD ATTEND:

Maintenance Engineers and Technicians

Reliability Engineers and Maintenance Managers

Asset Management Professionals

4. Monitoring Techniques and Tools:

- ❖ Vibration Analysis:
 - Understand the role of vibration analysis in detecting equipment abnormalities.
- ❖ Thermal Imaging:
 - Explore the use of thermal imaging for identifying potential issues in machinery.
- ❖ Oil Analysis:
 - Learn the significance of oil analysis in monitoring the health of machinery.

5. CBM Implementation Strategies:

- ❖ Developing CBM Strategies:
 - Gain insights into developing effective CBM strategies for different types of equipment.
- ❖ Integration with Maintenance Management Systems:
 - Understand how CBM integrates with broader maintenance management systems.

6. Case Studies and Practical Applications:

- ❖ Real-world Case Studies:
 - Analyze successful implementations of CBM and condition monitoring in diverse industries.
- ❖ Hands-on Practical Sessions:
 - Engage in practical sessions to apply CBM and condition monitoring principles to simulated scenarios.

Join our Condition-Based Maintenance program and shape the future of predictive excellence in engineering.