

## CONDITION BASED MAINTENANCE

ONE DAY TRAINING COURSE

### COURSE OVERVIEW

Measuring the condition of your equipment and then making an assessment whether or not it will fail in the future allows us to take the appropriate action to avoid the consequences of that failure.

This is called “predictive maintenance” or “Condition Based Maintenance (CBM)”. In this course we will thoroughly discuss the ingredients of the condition based maintenance.

### COURSE OVERVIEW

This training course covers principles like Life Cycle, Potential Failure, Functional Failure and important Monitoring Techniques like Vibration Monitoring, Thermography, Oil and Wear Debris analysis.

In general participants will learn to understand behavior of equipment, get the most information to proceed for corrective actions & to be able to conduct testing under steady state operating conditions following predefined procedures.

ONE DAY | 0900 - 1700 HRS

USD 1,200.0 / SESSION

15 PARTICIPANTS

### COURSE CONTENT

Condition Monitoring Technologies  
What is Vibration?  
Setting up for Vibration Measurement  
Introduction to Infrared Thermography  
Introduction to Lubricant Analysis  
Introduction to Motor Diagnostics  
Introduction to Ultrasonics & Acoustics  
FFT Spectrum | Time waveform  
Phase | Imbalance | Misalignment  
Bent shaft | Cocked bearing  
Soft foot | Resonance

### WHO SHOULD ATTEND

Application Engineer, Condition Monitoring Engineer/Technician, Design Engineer, Maintenance Engineer/Manager/Supervisor, Quality Engineer, Reliability Engineer/Manager/Supervisor.