

# Workshop on Proactive Maintenance Management

Strategy &  
Management

**August 23-24, 2016**

9:00am – 5:00pm

**Venue: CEE@IBA, Karachi**



## Overview

Proactive maintenance prolongs the life of machinery and prevents unexpected breakdowns, enabling the job to be done in the most cost-effective and reliable manner. Proactive maintenance focuses on root cause of machine failure. It is cost-effective since it allows a company to avoid machine failure and solve the issue before it becomes a problem.

The purpose of this course is to provide progressive organizations with insight of latest productivity tools used in Proactive Maintenance Management. This includes creating Maintenance Dashboard, using Benchmarking & KPIs, and step-wise guidance on how to move towards world class. Maintenance planning, an often neglected area, is also covered. The course is specially designed for business leaders involved in production, maintenance, or other endeavors related to factory management and are desirous of improving their performance. Methods of cost reduction and maintenance process improvements are covered. Best practices in Maintenance Management is the focal point of the program.

## BENEFITS

The course has been designed for business executives, engineers and others involved in equipment reliability and improving the effectiveness of plant and machinery. The foundation of the course is laid down from industry inputs and feedbacks. It adopts a practical approach to addressing most common issues faced by industry personnel. Participants are guided with step-by-step procedure moving from traditional to proactive maintenance.

Lean practices have emerged from the auto-industry and are now applicable in all areas of human endeavor, including proactive maintenance management. All progressive organizations throughout the world are using Lean. Organizations not using lean practices in maintenance will be left far behind in the competitive market of today. This course uplifts the performance of maintenance personnel by providing step-wise guidance on implementing lean in maintenance.

By the end of the course, each participant is expected to have a clear understanding of how Proactive Maintenance practices can be used in industry. After learning the latest tools and techniques, each participant is in a better position to enhance his/her productivity and becomes well-aware of problem-solving tools used in maintenance management. Participants will learn about how augmented reality helps in fine-tuning the maintenance management program.

Technical jargon has been avoided, wherever possible, to make the learning process easy. The course is time-tested and has become very popular, with excellent feedback from participants. Intensive use of audio-visual aids makes learning both effective and enjoyable.

## FACULTY

**Nasir Mahmood** is a mechanical engineer (batch 1974-78) from the NED University of Engineering & Technology, Karachi. He has over 36 years of local and international field experience working with different industries including metal works, trailer manufacturing, food industry, textiles, pharmaceuticals, etc. He has a reasonably good experience working as head of both production and maintenance. He was intensively involved in production planning and control, factory administration, maintenance management, etc. Working in a key position, he had the opportunity to bring radical changes in the industry. Previously he worked as senior process engineer, and was tasked to improve processes with the objective of critical examination of processes in order to reduce both manufacturing cycle time and cost. He was intensively engaged in energy management and auditing, safe management of factory, compliances and factory laws, quality assurance, maintenance, etc. He implemented lean and 5-S, and was also engaged in materials management and warehousing. He has researched inventory management and have uniquely presented MUSIC 3D (Multi-Unit Selective Inventory Control). His techniques helped various industries in reducing inventory level, and simultaneously improving customer service level. Apart from industry experience, he has been intensively engaged in teaching and executive training. He started his career as Lecturer at NED UET, followed by a vast exposure of industries.

## TOPICS COVERED

- How Proactive Maintenance leads other techniques
- Improving performance of Maintenance Department
- How to improve reliability and effectiveness of Plant & Machinery
- How to handle common maintenance problems effectively
- Selecting the most appropriate maintenance technique
- How to move towards zero breakdowns
- Autonomous maintenance and TPM
- What is augmented reality and how it applies to maintenance
- Creating & using Maintenance Dashboards
- Performance improvements through Benchmarking & KPIs
- How Lean helps in Maintenance Management
- Factors to consider in Maintenance Planning & WO Scheduling
- Utilizing Maintenance Resources effectively
- Using Kaizen and Problem-Solving Tools in maintenance management
- How MUSIC 3D helps in spare parts management
- What every Maintenance Manager should know about compliances

### Workshop Fees PKR 20,000/participant

Inclusive of Course material, IBA Workshop Certificate,  
Lunch, Refreshments & Business networking

*Experience*

## EXECUTIVE EDUCATION

Center for Executive Education, IBA, Karachi

Center for Executive Education (CEE)  
Institute of Business Administration City Campus.  
Off Garden Road, Karachi-74400.

### For Further Information

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