

Defect Elimination

Problem Identification | Sustainable Solution | Maximum Asset Utilization

Course Horizon

Defect Elimination involves the use of available data to identify potential reliability problems and guarantee that effective plans, procedures and activities are setup to mitigate risk and enhance operational performance and efficiency

Identify

Defects can be identified either through an analysis or by an event

Define

Define the problem clearly, identify team members, target improvements & time

Measure

Gather information about the problem

Analyse

Identify the root cause(s) by analysing & verifying cause-effect relationship

Improve

Select and implement improvement actions

Control

Make the problem solution sustainable

Why you should attend?

- Enhanced equipment performance
- Increased operational productivity
- Minimizing reliability problems leads to low asset life cycle costs
- Identification and eradication of shutdown drivers reduces huge costs
- Eradication of maintenance activities ensure reduction in manning levels and associated costs



Institute

Who will benefit?

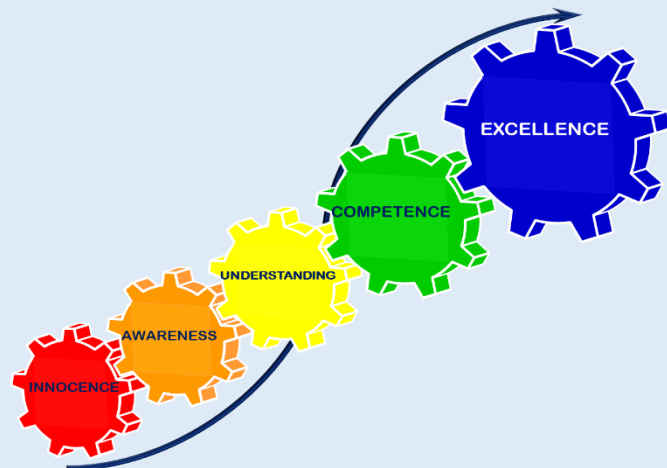
- Executives and Senior Managers of Asset Intensive Businesses
- Production and Operations Managers
- Asset and Maintenance Managers
- Project Managers/Engineers
- Maintenance and Production Engineers
- Foremen/Supervisors
- Planners
- Engineering Technicians

Delivery Platform

- Public Training – available at in all cities and towns
- Onsite Training
- Virtual Instructor-Led Training
- E-Learning
- Customized Training

Training Duration

- Core Delivery – 2 days
- Foundation Delivery – 1 day



REALISE YOUR POTENTIAL

Learning Objectives

By the end of this course, participants should be able to:

- Understand the need for structured problem solving
- Understand the DMAIC steps of problem solving
- Know the problem-solving techniques used in each step
- Be able to define problems clearly
- Be able to gather and analyse applicable data to improve problem understanding
- Be able to do root cause analysis
- Be able to select and implement appropriate solutions
- Be able to make successful solutions sustainable

Course Content

- Fundamentals of Defect Elimination
- Problem Identification
- Problem Definition
- Problem Measurement
- Root Cause Analysis
- Improvement Process
- Control of sustainable solution
- Defect Elimination in Context

Main Elements

Delivery

- The 2-day session equips with knowledge and skills to bring competency to individuals
- Self-assessment quizzes and interactive group discussions on each learning area foster great understanding
- Interactive group sessions and illustrative videos will be delivered to enhance content comprehension

Techniques

Participants shall tackle practical exercises on:

- Problem definition
- Brainstorming
- Fishbone
- 5 'Why's
- Evaluation Matrix
- Cost Benefit Analysis