



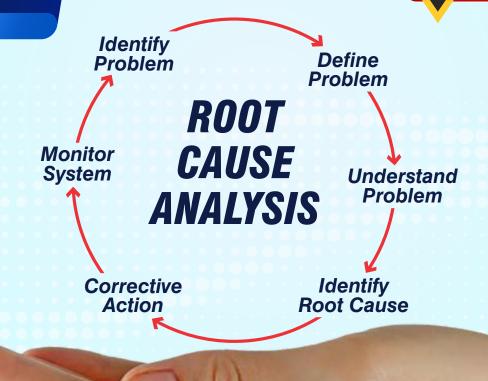


Online Mode

8, 9, 16, & 17

August 2022

1310 hrs - 1730 hrs



INTRODUCTION

Fundamental to any continuous improvement program is the ability to determine the root cause of an effect. Root cause is the fundamental, underlying reason for a problem. The approach should be "Don't put a bandage on a problem; fix the issue permanently".

Root cause analysis involves - deploying methodologies to understand the root cause(s) of a problem and verify the same. 8D and A3 problem-solving are universally deployed approaches that are structured to identify and verify the root cause in a scientific manner.

This course will enable participants to understand root cause analysis as a procedure for ascertaining and analyzing the causes of problems in an effort to determine what can be done to solve or prevent them occurring again. RCA potentially leads to saving of time, money, and resources.

FOCUS AREAS

- Understand the basics of problem-solving.
- What is Root Cause Analysis?
- Tools/Techniques used in problem-solving approach
- Concept of Y = f(x)
- Sources and types of variation

8D problem-solving methodology using a case study

- D0 Implement ERA (Emergency Response Action)
 - Prepare for 8D
 - 8D Process Flow
- D1 Establish the Team
 - Select the Team
 - Map the stakeholders
 - Framework for Success of the Team
- D2 Define the Problem
 - Tips to write a Problem Statements
 - Is/Is not Analysis
 - Process Mapping

D3 – Develop Interim Containment Action

- Process of making a containment plan
- Containment Actions

D4 – Root Cause Analysis

- Techniques to identify the root cause analysis (Brainstorming, seven QC tools)
- Validate the Root cause (Techniques)
- D5 Identify Permanent Containment Action
 - Error Proofing
 - Selecting the Solution
- D6 Implement Permanent Containment Action
 - Develop Corrective action
 - Obtain stakeholder approval on PCA
- D7 Define and Plan Preventative Action
 - Use an FMEA Risk Assessment
 - Control plans
- D8 Congratulate the team
 - Appreciating team members





A3 problem-solving methodology using a case study

- Describe the objectives of A3 problemsolving report
- Characteristics of A3 Problem Solving
- Explain the A3 problem-solving process
- Provide a deeper insight into various sections of A3 problem-solving report and the application of key tools to complete those sections like
 - Forming a Problem Statement
 - Seven QC tools for Analysis
 - Stakeholder Management before implementing Countermeasures
 - SMART goals
 - Solution Selection
- Know the key points to consider and exit gate questions before completion of each section of A3 problem-solving report
- Using a case study, complete an A3 problem-solving report

KEY TAKE AWAYS

At the end of this program, the participants shall be able to:

- Enhance problem-solving effectiveness by providing a model for in-depth analysis of problem situations
- Apply the concept of Y = f(x)
- Know Tool kit required to complete an A3/8D problem-solving report
- Apply A3/8D problem-solving on the shop floor
- · Propagate systematic way of problem-solving
- You will have the necessary skills required to become an adept A3/8D practitioner, prepared to lead and facilitate effective problem-solving activities and teams

PARTICIPANT PROFILE

This course is targeted for engineering personnel, production personnel, entry-level graduates, and those who would like to enter into the field of Operational Excellence. It will also benefit managers and quality supervisors from machine tools, automobile and auto ancillaries, toolrooms, aerospace, and general engineering.

TRAINING METHODOLOGY

Participants will be working on real-time cases in their industry projects to build RCA approach.

- Learning by doing approach: The entire program is divided into 4 sessions
 - Sessions are staggered over weeks.
 - Session 1 to 3: 4 hours each on 8, 9, & 16
 August 2022
 - Assignment 1
 - Session 4: 4 hours on 17 August 2022
 - Assignment 2
- Quiz question sets in every session to ensure participants have understood the topics
- Assignments to ensure participants not only learn the theory, examples, case studies during training but also become competent to practice by themselves.
- Review of assignments for corrections / improvement
- Final test and Assessment
- · Training materials and Case studies will be shared
- Certification issued after completion of assignments and final test

FACULTY

This program will be delivered by Mr. Anand Deshpande

He is an experienced **Operational excellence** professional and **Six Sigma Black Belt** with over 30 years of experience, including 14 years of global experience in Lean management and 11 years of consulting experience. His consulting aims at process enhancement and quality improvement using multiple tools and implementation of performance management systems.

His executive career spans across several countries with long stints at GBS

Engineering, Dell International Services, Ford Motor Co - England & Germany, Philips India and Nigeria.

He holds a degree in Production engineering and an MBA from HULT International business school.



PARTICIPATION FEE

Per Login

₹ 12,500/-

+ 18% GST

IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

\$ 500

Overseas Participant

 $Group\ Concession: 10\%\ for\ 3\ to\ 5\ and\ 30\%\ for\ 6\ and\ more\ delegates\ being\ nominated\ from\ the\ same\ company$

FOR MORE DETAILS CONTACT

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