

ROOT CAUSE ANALYSIS

“Systematically Identify the True Causes of Problems and Implement Effective Solutions for Lasting Results.”

Schedule

Venue (In-house)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

In any organization, recurring problems can lead to reduced productivity, increased costs, and operational inefficiencies. Addressing only the symptoms does not prevent recurrence.

The Root Cause Analysis (RCA) course equips participants with structured problem-solving methodologies to identify the underlying causes of issues across processes, equipment, and systems. Participants will learn to analyze problems systematically, apply proven tools, and implement corrective actions that ensure sustainable improvements.

Objectives

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

- Understand the principles and importance of root cause analysis.
- Apply structured methodologies to identify true causes of problems.
- Use analytical tools such as 5 Whys, Fishbone Diagrams, Fault Tree Analysis, and Pareto Analysis.
- Conduct effective data collection, investigation, and verification.
- Develop actionable corrective and preventive measures.
- Reduce recurrence of problems and enhance process reliability.
- Integrate RCA into continuous improvement and operational excellence programs.

Why Attend

Recurring problems can undermine operational efficiency, increase costs, and impact customer satisfaction. This course provides participants with hands-on skills and techniques to get to the root of issues, solve them permanently, and improve overall organizational performance.

Target Audience

This course is suitable for:

- Managers and Team Leaders
- Process, Quality, and Reliability Engineers
- Maintenance and Operations Professionals
- Continuous Improvement Specialists
- Safety and Compliance Officers
- Industrial Consultants and Technical Teams

Individual Benefits

- Gain practical skills in identifying and analyzing root causes of problems.
- Learn structured approaches to solve complex operational and technical issues.
- Improve problem-solving, decision-making, and analytical capabilities.
- Enhance professional competence and confidence in implementing lasting solutions.

Organizational Benefits

- Reduce recurring issues and operational disruptions.
- Improve process efficiency, reliability, and quality.
- Optimize resource allocation and reduce costs.
- Foster a culture of systematic problem-solving and continuous improvement.
- Build in-house capability for proactive problem identification and resolution.

Instructional Methodology

The training employs a practical, interactive approach:

- Instructor-led sessions on RCA principles and methodologies
- Case studies on real-world organizational and operational problems
- Hands-on exercises using 5 Whys, Fishbone Diagrams, Fault Tree Analysis, and Pareto Analysis
- Group workshops to simulate problem-solving scenarios
- Practical exercises in data collection, investigation, and action planning
- Continuous feedback, discussions, and Q&A sessions

Course Outline

- Module 1: Introduction to Root Cause Analysis and Its Importance
- Module 2: Identifying Problems and Gathering Data
- Module 3: Structured Problem-Solving Methodologies – 5 Whys, Fishbone Diagrams, Fault Tree Analysis
- Module 4: Analytical Tools and Techniques for RCA
- Module 5: Human and Organizational Factors in Problem Occurrence
- Module 6: Developing Corrective and Preventive Actions
- Module 7: Implementing Solutions and Monitoring Effectiveness
- Module 8: RCA in Continuous Improvement Programs
- Module 9: Case Studies – Real-World Problem Solving
- Module 10: Practical Exercises – Conducting a Complete RCA on Sample Issues

Certification

Upon successful completion, participants will receive a Certificate in Root Cause Analysis, acknowledging their expertise in systematically identifying, analyzing, and resolving problems to achieve sustainable operational improvements.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training

Interested in running this course for your team?

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