Find out the root cause of the problems in your organization and tackle them effectively

Course Name: RCA through Six Sigma
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Importance of Root Cause Analysis (RCA) through Six Sigma

RCA through Six Sigma allows companies to identify the number of problems occurring each year and the possibility of their recurrence. It helps to determine whether the problems have known or unknown causes and classifies them accordingly. RCA is done with the help of tools such as Cause and Effect Diagram (CED), 5 Whys, Pareto Chart, 8 Disciplines (8D), and pitfalls to avoid in determining and analyzing the root cause.

This RCA through Six Sigma training is provided as both 1-Day and 3-Day training. Where 1-Day training covers the fundamentals of Root Cause Analysis concepts and 3-Day training covers all the RCA concepts and more in a comprehensive manner. Both 1-Day and 3-Day RCA training programs have different syllabus and you can go through the same below.

Get the advantage of getting trained in either of the modules.

Get Invensis Learning Advantage

- Expert trainer, interactive sessions with case studies
- A copy of RCA through Six Sigma training
- Classes across 108+ locations worldwide
- Instructor-led training that is always on schedule
- Global approval and accreditation
Key Benefits of RCA through Six Sigma for Businesses

- Allows companies to identify the number of problems occurring each year and the possibility of their recurrence.
- Helps to determine whether the problems have known or unknown causes and classifies them accordingly.
- Addresses the problems directly instead of covering up the issues.
- Contributes towards significant long-term improvements in the company.

About Invensis Learning

Invensis Learning is a leading certification training provider for individuals and enterprises globally. Our expertise in providing globally-recognized IT & Technical certification courses has enabled us to be one of the trusted certification training partners for many Fortune 500 organizations and Government institutions worldwide. Invensis Learning has trained and certified thousands of professionals across a wide range of categories such as IT Service Management, RCA through Six Sigma, Quality Management, IT Security and Governance, Cloud Computing, DevOps, Agile RCA through Six Sigma, and Digital Courses. Invensis Learning’s certification training programs adhere to global standards such as PMI, TÜV SÜD, AXELOS, ISACA, DevOps Institute, EXIN, and PEOPLECERT.
This course is designed for operations staff in manufacturing and service organizations, managers, process owners, and engineers.

RCA through Six Sigma is an important component of continuous improvement in Six Sigma methodologies. Participants taking up this RCA through Six Sigma course will learn about the tools such as Cause and Effect Diagram (CED), 5 Whys, Pareto Chart, 8 Disciplines (8D), and pitfalls to avoid in determining and analyzing the root cause.

RCA through Six Sigma allows companies to identify the number of problems occurring each year and the possibility of their recurrence. It helps to determine whether the problems have known or unknown causes and classifies them accordingly. The RCA through Six Sigma course is designed for individuals, teams, and organizations that desire to institutionalize an operating system for structured problem-solving.
RCA through Six Sigma Course Overview (1-Day Training)

1. Key Concepts & Principles of Root Cause Analysis
   • What is Root Cause Analysis?
   • Root Cause: The “Evil at the Bottom”
   • Why Root Cause Analysis?
   • Principles of Root Cause Analysis
   • Applications of Root Cause Analysis
   • Root Cause Analysis Tools

2. Overview of a Problem Solving Process
   • What is a Problem?
   • Problem Solving Funnel
   • A Simple Problem Solving Process
   • PDCA Problem Solving Process
   • DMAIC Problem Solving Process
   • 8D Problem Solving Process
   • What is a Root Cause?
   • Dealing with Root Causes
3. Root Cause Analysis using 5 Whys
   • What are the 5 Whys?
   • Benefits of the 5 Whys
   • When is 5 Whys Most Used?
   • 5 Whys Preparation
   • How to Complete the 5 Whys
   • 5 Whys Process Funnel
   • Examples of 5 Whys
   • 5 Whys: Key Points
   • Drawbacks of the 5 Whys

4. Root Cause Analysis using Cause & Effect Diagram
   • Cause & Effect Diagram
   • When to Use
   • Benefits
   • Cause & Effect Diagram (Manufacturing)
   • Cause & Effect Diagram (Service)
   • Examples of Cause & Effect Diagrams
   • How to Construct a Cause & Effect Diagram
   • Cause & Effect Diagram: Considerations
   • Cause & Effect Diagram: Practice Tips
   • Checklists for the 5M1E
   • Corrective Actions
5. Root Cause Prioritization using Pareto Chart
   • Introduction to Pareto Chart
   • Pareto Chart: Purpose & When to Use
   • Pareto Chart - Data Collection
   • Example of Pareto Chart
   • How to Construct a Pareto Chart
   • Pareto Chart: Tips & Tricks

6. Pitfalls to Avoid

RCA through Six Sigma Course Overview (3- Day Training)

   • Problem-Solving Process Flowchart (8D Roadmap)
   • Problems vs. Opportunities
   • Preventative Practices
   • Problem Detection & Specification
   • Problem Anatomy = |Should – Actual| *Risk
   • Causes to Determine
   • Cause Structures
   • Situation Appraisal
   • Known vs. Unknown Cause
   • Using Facts, Evidence & Assumptions
   • Interim Actions
• Using a Team Approach
• Risk Analysis Tools
• Importance of Language
• Cause-Effect Mapping Methods
• Potential Cause Filters and Generators
• Human Error
• Choosing the Best Solution Profile
• Solution Validation
• Exercises & Case Studies