

Course Name: How to Conduct Effective Why-Why Analysis for Root Cause Identification

Synopsis

Welcome to "How to Conduct Effective Why-Why Analysis for Root Cause Identification"! This training program is designed to equip you with the essential skills and techniques needed to conduct thorough and insightful Why-Why Analyses. Root cause identification is a critical aspect of problem-solving in any organization, and mastering this technique can significantly enhance your ability to address issues at their core.

During this training, you will learn the principles behind Why-Why Analysis, explore various tools and methodologies, and engage in hands-on exercises to apply these concepts to real-world scenarios. By the end of this program, you will have the knowledge and confidence to lead effective Why-Why Analyses, helping your organization tackle its challenges more efficiently and effectively.

What You Will Learn

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

- Understand the principles and importance of Why-Why Analysis for root cause identification.
- Apply various tools and methodologies, such as the 5 Whys technique and fishbone diagrams, to conduct effective Why-Why Analyses.
- Identify and differentiate between symptoms and root causes of problems.
- Utilize data and metrics to support their analysis and validate root causes.
- Apply advanced techniques to deepen their analysis and uncover hidden root causes.
- Implement Why-Why Analysis in different contexts, including quality improvement, process optimization, and risk management.
- Lead and facilitate Why-Why Analysis sessions within their organizations.
- Communicate findings and recommendations effectively to stakeholders.



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- Apply lessons learned from case studies and practical exercises to improve their problem-solving skills.

Overall, participants will gain the knowledge and skills needed to conduct thorough and insightful Why-Why Analyses, enabling them to contribute more effectively to their organization's continuous improvement efforts.

Who Should Attend

- Managers and team leaders responsible for identifying and addressing operational issues.
- Quality assurance and process improvement professionals seeking to enhance their root cause analysis skills.
- Project managers looking to improve project outcomes by identifying and addressing underlying issues.

Prerequisite

N/A

Course Methodology

- **Lectures:** Engaging presentations will introduce key concepts, theories, and techniques related to Why-Why Analysis.
- **Case Studies:** Real-world case studies will be analyzed to understand how Why-Why Analysis can be applied in different scenarios and industries.
- **Group Discussions:** Participants will engage in group discussions to share insights, exchange ideas, and discuss challenges related to Why-Why Analysis.
- **Hands-on Exercises:** Practical exercises will allow participants to apply Why-Why Analysis techniques to simulated problems, enhancing their problem-solving skills.
- **Q&A Sessions:** Regular question-and-answer sessions will clarify doubts and reinforce learning.
- **Feedback:** Continuous feedback will be provided to participants to help them improve their understanding and application of Why-Why Analysis.
- **Final Project:** Participants will work on a final project where they will conduct a Why-Why Analysis on a real or simulated problem, applying all the techniques learned during the training.

Course Duration

2 day(s) - 9am - 5pm

Course Structure

Session 1: Introduction to Why Why Analysis

- Welcome and Introduction
- Understanding the Basics of Why Why Analysis
- Group Discussion and Case Study Analysis
 - ✓ Analyzing real-life examples
 - ✓ Identifying root causes using Why Why Analysis

Session 2: Implementing Why Why Analysis

- Techniques and Tools for Why Why Analysis
 - ✓ Fishbone diagrams
 - ✓ 5 Whys technique
 - ✓ Other problem-solving methodologies

- Practical Exercise 2: Hands-on Application
 - ✓ Conducting a Why Why Analysis on a simulated problem
 - ✓ Group presentations and feedback

Session 3: Advanced Why Why Analysis Techniques

- Beyond 5 Whys: Deepening Analysis
 - ✓ Using iterative questioning
 - ✓ Utilizing data and metrics

- Practical Exercise 3: Advanced Problem Solving
 - ✓ Applying advanced techniques to complex scenarios
 - ✓ Group discussions and analysis



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Session 4: Practical Application and Conclusion

- Applying Why Why Analysis in Different Contexts
 - ✓ Quality improvement
 - ✓ Process optimization
 - ✓ Risk management
- Case Study Analysis and Wrap-up
 - ✓ Analyzing case studies from various industries
 - ✓ Reviewing key takeaways and lessons learned
- Q&A Session and Closing Remarks