



Incident Investigation & Root Cause Analysis Training Course

Incident Investigation & Root Cause Analysis Training Course

Course Overview:

The Incident Investigation & Root Cause Analysis Training Course equips professionals with the tools and techniques necessary to conduct thorough workplace incident investigations and identify root causes effectively. Designed with compliance-based incident training in mind, this course integrates advanced root cause mapping techniques, hazard analysis, and investigation strategies aligned with industry best practices from the Root Cause Map Guidance. Participants will learn how to conduct structured and effective root cause analyses, leveraging proven RCA tools to mitigate risk, enhance safety, and reduce recurrence of incidents across various industries. Whether dealing with equipment failure, human error, or environmental factors, this hands-on course empowers safety professionals, managers, and HSE leaders to build a proactive safety culture. By incorporating accident prevention strategies, workplace safety protocols, and risk-based problem-solving, the course ensures every participant is ready to apply these skills immediately upon returning to their workplace.

Target Audience:

- HSE Managers and Officers
- Operations Supervisors
- Safety Engineers
- Risk and Compliance Managers
- Maintenance Supervisors
- Industrial Engineers
- Project Managers
- Team Leaders and Quality Assurance Officers

Targeted Organizational Departments:

- Health, Safety and Environment HSE
- Risk Management and Compliance
- Operations and Production
- Engineering and Maintenance
- Quality Assurance
- Human Resources

Targeted Industries:

- Oil and Gas
- Manufacturing
- Construction
- Transportation and Logistics
- Utilities and Energy
- Pharmaceuticals
- Mining
- Food and Beverage

Course Offerings:

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

- Conduct structured incident investigations using advanced reporting methods
- Apply root cause analysis tools and mapping techniques
- Identify and mitigate hazards and human factors contributing to incidents
- Develop and implement corrective and preventive actions
- Strengthen compliance-based reporting and analysis processes
- Promote a safety culture through effective communication and accountability
- Reduce risks and recurrence using risk-based problem-solving techniques
- Align investigations with ISO, OSHA, and industry-specific standards

Training Methodology:

This course adopts a practical, interactive approach using real-world case studies, group discussions, and collaborative problem-solving workshops. Participants will engage in hands-on simulations that mirror actual workplace incidents. Each session includes feedback loops, team-based scenario analysis, and interactive mapping using Root Cause Map Guidance. The training emphasizes active participation, with activities designed to reinforce RCA tools, incident prevention strategies, and post-incident analysis techniques. Learning methods include:

- Root Cause Mapping Exercises
- Video-Based Scenarios and Case Studies
- Structured Feedback and Coaching
- Quizzes and Real-Time Assessments

Course Toolbox:

- Root Cause Map templates examples only
- Digital checklists for incident response
- Interactive RCA software demos
- Sample investigation reports
- Worksheets for cause mapping and risk prioritization
- Access to post-course resource hub



Course Toolbox:

Day 1: Fundamentals of Incident Investigation

- **Topic 1:** Understanding the nature and types of workplace incidents
- **Topic 2:** Roles and responsibilities in incident investigation
- **Topic 3:** Overview of incident investigation standards and regulatory expectations
- **Topic 4:** Initiating the investigation: notification, preservation, and team selection
- **Topic 5:** Evidence collection and witness interview techniques
- **Topic 6:** Event timeline development and initial hypothesis building
- **Reflection & Review:** Key steps in launching structured and compliant investigations

Day 2: Root Cause Analysis and the Root Cause Map

- **Topic 1:** Introduction to root cause analysis methods and principles
- **Topic 2:** Understanding the structure of the Root Cause Map
- **Topic 3:** Using RCA tools: 5 Whys, Fishbone, and Fault Tree Analysis
- **Topic 4:** Mapping human factors, equipment, and environmental causes
- **Topic 5:** Distinguishing between immediate, contributing, and root causes
- **Topic 6:** Using the Root Cause Map to identify systematic breakdownsRoot_Cause_Map_Guidance...
- **Reflection & Review:** Case-based practice on navigating the Root Cause Map

Day 3: Administrative, Procedural, and Systemic Factors

- **Topic 1:** Administrative/management system failures and problem identificationRoot_Cause_Map_Guidance...
- **Topic 2:** Audits, reporting systems, and learning from failed implementationsRoot_Cause_Map_Guidance...
- **Topic 3:** Breakdown in training, supervision, and procedural adequacy
- **Topic 4:** SPACs: standards, policies, and administrative controlsRoot_Cause_Map_Guidance...
- **Topic 5:** Organizational culture, communication gaps, and shift handoffsRoot_Cause_Map_Guidance...
- **Topic 6:** Using cause categories to classify administrative root causes
- **Reflection & Review:** Root cause tracing from organizational system failure

Day 4: Maintenance, Human Error, and Corrective Actions

- **Topic 1:** Troubleshooting and failure diagnostics errorsRoot_Cause_Map_Guidance...
- **Topic 2:** Predictive vs corrective maintenance and implementation gapsRoot_Cause_Map_Guidance...
- **Topic 3:** Personnel error vs system design flaws - identifying human root causes
- **Topic 4:** Ineffective corrective actions and why problems recurRoot_Cause_Map_Guidance...
- **Topic 5:** Building sustainable corrective and preventive action CAPA plans
- **Topic 6:** Risk-based prioritization of corrective actions and follow-up audits
- **Reflection & Review:** Lessons learned from recurring failures and action tracking

Day 5: Final Map Training, Course Categories

Topic 1: Performing root cause audits and verifying effectiveness of corrective actions. This includes understanding data, adding safety, conducting workshops, developing standards, and implementing improvements.



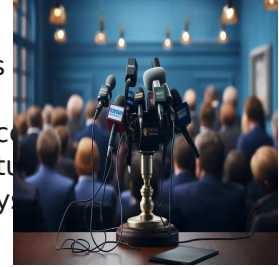
FAQ: Finance and Accounting Training Courses



Agile PM and Project Management Training Courses

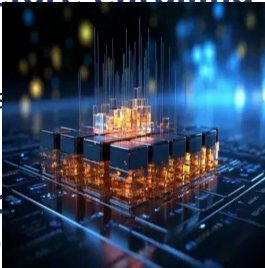


Certified Courses By International Bodies



Communication and Public Relations Training Courses

What specific qualifications or prerequisites are needed for participants before enrolling in the course?



Data Analytics Training and Data Science Courses



Environment & Sustainability Training Courses



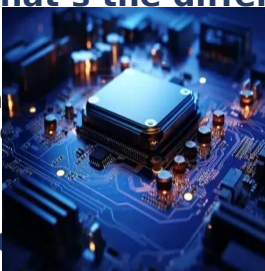
Governance, Risk and Compliance Training Courses



Human Resources Training and Development Courses

Each day's session is generally structured to last around 4-5 hours, with breaks and interactive activities included. The total course duration spans five days, approximately 20-25 hours of instruction.

What's the difference between a root cause and a contributing cause?



Courses: IT Security Training & IT Training Courses



Leadership and Management Training Courses



Legal Training, Procurement and Contracting Courses



Maintenance Training and Engineering Training Courses

Unlike general safety training, this course is deeply analytical and rooted in applications of root cause analysis for HSE professionals and is built around the Root Cause Map Guidance, a recognized standard in many high-risk industries. It focuses on effective RCA methodologies that go beyond surface-level fixes, providing the structure and confidence to uncover deep, systemic issues. The integration of tools like fault trees, cause mapping, and structured investigation protocols ensures that participants walk away with risk-based problem-solving skills that are immediately applicable. Moreover, the course promotes cross-departmental collaboration between safety, operations, engineering, and compliance, helping to embed a robust safety culture and reduce future incidents across the organization.



Training Course Categories



Marketing, Customer Relations, and Sales Courses



Occupational Health, Safety and Security Training Courses



Oil & Gas Training and Other Technical Courses



Personal & Self-Development Training Courses



Quality and Operations Management Training Courses



Secretarial and Administration Training Courses



AGILE LEADERS
Training Center

Training Cities



Accra - Ghana



Amman - Jordan



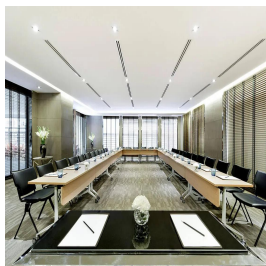
Amsterdam - Netherlands



Baku - Azerbaijan



Bali - Indonesia



Bangkok - Thailand



Barcelona - Spain



Cairo - Egypt



Cape town - South Africa



Casablanca - Morocco



Doha - Qatar



Dubai - UAE



Geneva - Switzerland



Istanbul - Turkey



Jakarta - Indonesia



Johannesburg - South Africa



Training Cities



Kuala Lumpur - Malaysia



Langkawi - Malaysia



London - UK



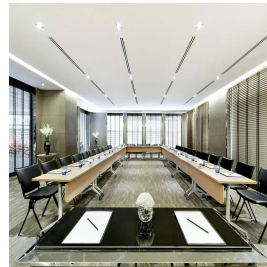
Madrid - Spain



Manama - Bahrain



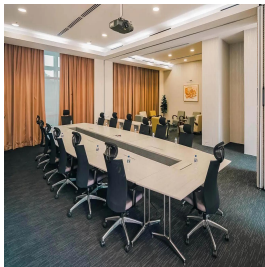
Milan - Italy



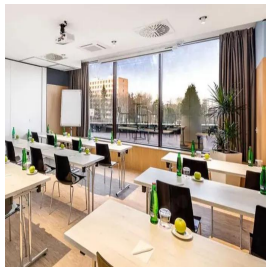
Nairobi - Kenya



Paris - France



Phuket - Thailand



Prague - Czech Republic



Rome - Italy



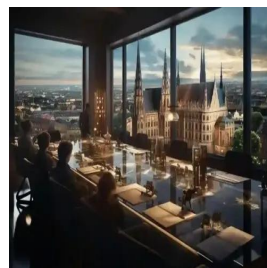
Sharm El-Sheikh - Egypt



Tbilisi - Georgia



Tokyo - Japan



Vienna - Austria



Zanzibar - Tanzania



AGILE LEADERS
Training Center

Training Cities



**Zoom - Online
Training**

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



AGILE LEADERS
Training Center

CONTACT US

 UAE, Dubai Investment Park First

 +971585964727
+447700176600

 sales@agile4training.com