

ANALYTICAL AND CRITICAL THINKING SKILLS ADVANCED COURSE



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TRAINING CENTER



Introduction

Strong decision-making depends on the ability to analyze information objectively and think through problems logically. The Analytical and Critical Thinking Skills Advanced Course Training Course equips professionals with structured techniques to evaluate evidence, challenge assumptions, and solve complex problems effectively. Participants explore practical frameworks such as root cause analysis, the SWOT framework, and logical reasoning models to strengthen their decision-making process. Furthermore, the course addresses cognitive biases, information evaluation, and structured problem-solving approaches. Through case studies and interactive exercises, attendees strengthen their ability to assess situations objectively and reach sound conclusions. As a result, participants leave prepared to approach challenges with clarity, confidence, and analytical rigor.

Analytical and Critical Thinking Skills Advanced Course Course Objectives

- Apply root cause analysis techniques to identify the source of business problems.
- Use the SWOT framework to evaluate strengths, weaknesses, opportunities, and threats.
- Recognize common cognitive biases that distort judgment and decision-making.
- Apply logical reasoning models to construct sound, evidence-based arguments.
- Evaluate the credibility and relevance of information sources systematically.
- Use the 5 Whys technique to uncover underlying causes of issues.
- Apply structured problem-solving frameworks to workplace challenges.
- Distinguish between facts, assumptions, and opinions in decision-making.
- Develop data-driven arguments to support recommendations and proposals.
- Strengthen questioning techniques to challenge assumptions constructively.

Course Methodology



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- Interactive lectures introducing analytical and critical thinking frameworks.
- Case study analysis applying root cause analysis and the 5 Whys technique.
- Group exercises using the SWOT framework on real business scenarios.
- Structured debates to practice logical reasoning and argument evaluation.
- Discussions identifying cognitive biases in sample decision-making cases.
- Practical templates, including analysis worksheets and decision matrices.

Who Should Take This Course

- Managers and team leaders responsible for strategic decision-making.
- Analysts evaluating data and preparing business recommendations.
- Professionals seeking stronger problem-solving and reasoning skills.
- Project managers assessing risks and evaluating alternative solutions.
- Consultants advising clients on complex business challenges.
- Employees involved in cross-functional planning and evaluation processes.

Analytical and Critical Thinking Skills Advanced Course Course Outlines

Day 1: Foundations of Analytical Thinking

- Define analytical and critical thinking and their business value
- Distinguish between facts, assumptions, and opinions
- Introduce structured problem-solving frameworks
- Identify common barriers to clear thinking
- Apply basic root cause analysis to sample cases
- Practice breaking down complex problems systematically



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- Review case studies on analytical decision-making

Day 2: Evaluating Information and Evidence

- Assess the credibility and relevance of information sources
- Apply criteria for distinguishing reliable from unreliable data
- Identify logical fallacies in arguments and reports
- Use evidence-based reasoning to support conclusions
- Practice evaluating conflicting information in case studies
- Apply structured questioning techniques to test assumptions
- Discuss the role of evidence in sound decision-making

Day 3: Root Cause Analysis and Problem-Solving

- Apply the 5 Whys technique to uncover underlying causes
- Use fishbone diagrams to map contributing factors
- Apply root cause analysis to workplace case studies
- Distinguish symptoms from actual root causes
- Develop structured action plans based on analysis findings
- Practice problem-solving through group exercises
- Review real-world root cause analysis examples

Day 4: Strategic Analysis and Decision-Making

- Apply the SWOT framework to evaluate business situations
- Recognize cognitive biases affecting strategic decisions
- Use decision matrices to compare alternative solutions
- Apply risk assessment techniques to decision-making



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- Practice constructing logical, evidence-based arguments
- Evaluate trade-offs between competing options
- Discuss case studies on strategic analytical thinking

Day 5: Applying Critical Thinking in Practice

- Integrate analytical frameworks into daily decision-making
- Apply structured questioning to challenge assumptions constructively
- Practice presenting data-driven recommendations
- Address resistance when proposing evidence-based changes
- Build a personal framework for ongoing critical thinking
- Prepare a personal action plan for workplace application
- Conclude with group presentations and open discussion

Conclusion

By successfully completing the Analytical and Critical Thinking Skills Advanced Course Training Course, participants will have acquired practical skills in root cause analysis, evidence evaluation, and structured problem-solving. Furthermore, they will gain confidence in applying frameworks such as the SWOT analysis and the 5 Whys technique to real workplace challenges. As a result, attendees return to their organizations equipped to make sound decisions, challenge assumptions constructively, and solve complex problems with clarity. Gentex Training Center remains committed to delivering practical, results-driven professional development programs across diverse industries.

FAQs





Q1 What is the "Analytical and Critical Thinking Skills Advanced Course" course about?

This course covers structured techniques for analyzing information, evaluating evidence, and solving complex problems. Participants learn practical frameworks, including root cause analysis and the SWOT framework, to strengthen decision-making and approach challenges with clarity and confidence.

Q2 What are the key benefits of the "Analytical and Critical Thinking Skills Advanced Course" course?

Participants gain sharper decision-making abilities, reduced reliance on assumptions, and stronger problem-solving confidence. These benefits translate into more objective evaluations, fewer costly errors, and improved strategic outcomes across daily workplace challenges.

Q3 What skills will I gain from the "Analytical and Critical Thinking Skills Advanced Course" course?

Attendees develop root cause analysis, evidence evaluation, logical reasoning, and structured problem-solving skills. These core competencies enable professionals to assess situations objectively and reach sound, well-supported conclusions in complex business contexts.



Q4 What tools, methods, or standards are covered in the "Analytical and Critical Thinking Skills Advanced Course" course?

The course introduces root cause analysis, the 5 Whys technique, fishbone diagrams, the SWOT framework, and decision matrices. These practical tools help participants evaluate information and solve problems systematically across various business situations.

Q5 How is the "Analytical and Critical Thinking Skills Advanced Course" course applied in real-world practice?

Participants apply root cause analysis and structured questioning to real business scenarios through case studies and group exercises. This practical approach helps professionals evaluate evidence objectively and present data-driven recommendations in their daily work.