Critical Thinking and Analytical Reasoning Training

Duration: **1 Day**

BILGINC IT Academy
info@bilginc.com
+44 20 3807 0925
+90 212 282 7700

Overview

Critical Thinking and Analytical Reasoning is a professional development program designed to help individuals analyze complex problems, evaluate information objectively, and make better-informed decisions. In today's data-driven and rapidly changing business environment, professionals must be able to think critically, assess evidence, and solve challenges using structured reasoning rather than assumptions or intuition alone.

This course provides participants with practical techniques for identifying biases, evaluating arguments, questioning assumptions, and applying analytical methods to workplace challenges. Learners will develop the ability to break down complex issues, assess multiple perspectives, and make evidence-based decisions with greater confidence and clarity.

Through practical exercises, real-world examples, and interactive discussions, participants will strengthen their problem-solving capabilities and improve their contribution to organizational success.

Prerequisites

There are no formal prerequisites for this course.

The program is suitable for professionals seeking stronger problem-solving and decision-making skills.

Who Should Attend

This course is ideal for:

- **Professionals**
- **Managers**
- **Senior Leaders**
- **Project Managers**
- **Business Analysts**
- **Team Leaders**
- Data-driven professionals
- Strategic decision-makers
- Individuals seeking stronger analytical skills

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What You Will Learn

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

- Understand the principles of critical thinking.
- Apply analytical reasoning techniques to workplace challenges.
- Identify assumptions, biases, and logical fallacies.
- Evaluate information and evidence objectively.
- Analyze arguments and explanations effectively.
- Break down complex problems into manageable components.
- Assess alternative viewpoints and solutions.
- Make informed, evidence-based decisions.
- Combine creative and analytical thinking approaches.
- Apply critical thinking strategies to real-world business situations.

Outline

Understanding Critical and Noncritical Thinking

The Case for Critical Thinking

- **Critical Thinking**
- Importance of critical thinking in business
- Improving decision-making quality
- Systematic problem analysis

Recognizing Deceptive Reasoning

- **Deceptive Reasoning**
- Misleading arguments
- Faulty conclusions
- Information manipulation techniques

Detecting Emotional Manipulation

- **Emotional Manipulation**
- Emotional influences on decision-making
- Maintaining objectivity

Styles of Noncritical Thinking

- Assumption-based thinking
- Bias-driven decision-making
- Unsupported conclusions

Critical Thinking Styles

- Analytical reasoning
- Systematic questioning

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- Evidence-based evaluation

Becoming a Critical Thinker

- Developing curiosity
- Asking meaningful questions
- Strengthening objective analysis skills

Recognizing and Evaluating Arguments

Defining Arguments

- **Argument Analysis**
- Structure of arguments
- Claims and supporting evidence

Step 1: Pinpoint Issues

- **Pinpoint Issues**
- Identifying core problems
- Defining key challenges

Step 2: Identify Arguments

- Evaluating claims
- Examining supporting information

Step 3: Seek Clarity

- **Seek Clarity**
- Eliminating ambiguity
- Clarifying assumptions

Step 4: Understand Context

- **Context Analysis**
- Evaluating situational factors
- Considering environmental influences

Step 5: Find Credibility

- **Credibility Assessment**
- Source evaluation
- Information validation techniques

Step 6: Look for Consistency

- Logical consistency
- Identifying contradictions

Step 7: Judge Arguments

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- **Evaluating Arguments**
- Comparing evidence
- Drawing logical conclusions

Presenting Ideas Effectively

- **Persuasive Communication**
- Logical presentation techniques
- Evidence-based persuasion

Developing and Evaluating Explanations

Explanations vs. Arguments

- **Explanations vs Arguments**
- Understanding key differences
- Building evidence-based explanations

Formulating Explanations

Gathering Information

- **Gather Information**
- Identifying reliable sources
- Collecting relevant data

Processing Information

- **Process Information**
- Organizing and analyzing information
- Identifying meaningful insights

Developing Hypotheses

- **Develop Hypotheses**
- Building possible explanations
- Identifying cause-and-effect relationships

Testing Hypotheses

- **Test Hypotheses**
- Validating assumptions
- Comparing alternatives

Discovery Questions and Challenging Assumptions

Asking Discovery Questions

- **Discovery Questions**
- Exploring deeper insights
- Expanding perspectives

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Challenging Assumptions

- **Challenge Assumptions**
- Identifying hidden assumptions
- Recognizing biases

Exploring Alternative Perspectives

- Multi-perspective analysis
- Evaluating different viewpoints

Problem Solving and Decision Making

Structuring Complex Problems

- **Problem Solving**
- Breaking down challenges
- Prioritizing issues

Analytical and Creative Thinking

- **Analytical Thinking**
- **Creative Thinking**
- Generating innovative solutions
- Evaluating options effectively

Evidence-Based Decision Making

- **Evidence-Based Decision Making**
- Using data effectively
- Assessing risks and opportunities

Practical Application and Real-World Scenarios

Business Case Studies

- Strategic decision-making examples
- Problem-solving applications
- Data analysis scenarios

Interactive Exercises

- Critical thinking activities
- Argument evaluation workshops

Personal Development Planning

- Identifying strengths
- Enhancing analytical reasoning skills
- Creating continuous improvement goals