

## **Advanced Critical Thinking Skills: Issues and Techniques**

Do you know how to apply the right technique in critical thinking, especially for the industrial revolution?

Are you ready to apply technology when applying critical thinking for problem-solving?

### **Introduction**

Problem-solving and critical thinking refers to the ability to use knowledge, facts, and data to solve problems effectively. This doesn't mean you need to have an immediate answer; it means you have to be able to think on your feet, assess problems and find solutions. The ability to develop a well thought out solution within a reasonable time frame, however, is a skill that employers value greatly. This module focuses on advanced skills and techniques to promote critical thinking. In addition, the participants would identify issues during handling critical thinking.

### **Program Objectives**

This program aims to:

- Explore real-world examples of why critical thinking is so important in daily activities
- Learn to use critical thinking skills when making decisions
- Get a roadmap for developing your critical thinking skills

### **Learning Outcomes**

After completing this program, participants should be able to:

- Choose the right techniques to recognise assumptions and draw conclusions
- Translate an abstract idea into something tangible
- Minimise the impact of job pressures on your thinking processes
- React with curiosity instead of emotion

### **Who should attend?**

Non-managerial, First-line management, middle management, and anyone who needs to deal and manage with people in the organisation.

### **Methodology**

Case studies, forum discussion, role-play, presentations, gamification

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## Program Outline

Time	Day One
9.00am–10.30am	<p><b>Understanding Critical Thinking</b></p> <p>In this module, participants start to understand the concept of critical thinking, characteristics of a critical thinker and common critical thinking styles.</p>
10.30am-11.00am	<b>Morning Break</b>
11.00am-1.00pm	<p><b>Where Do Other Types of Thinking Fit In?</b></p> <p>The participants would understand the role of the left and the right brain. The participants would have a practical session how to apply the thinking whole-brain thinking.</p>
1.00pm-2.00pm	<b>Lunch</b>
2.00pm-3.30pm	<p><b>The Critical Thinking Process</b></p> <p>In this module, participants would learn the critical thinking model, the standards of critical thinking, method how to identify issues and arguments and then the method of how to clarify the issues and arguments. Then, the participants would establish context and checking credibility and consistency. In this module, participants would learn through case study how to understand in-depth the critical thinking process.</p>
3.30pm-4.00pm	<b>Tea Break</b>
4.00pm-5.00pm	<p><b>A Critical Thinker's Skill Set</b></p> <p>This is the practical session where the participants would learn the techniques in asking questions and probing techniques. Then, the participant would learn method to ask critical thinking questions and active listening skills applied during critical thinking.</p>
Time	Day Two
9.00am–10.30am	<p><b>Creating Explanations</b></p> <p>It is essential to define explanations during critical thinking skills. The participants would learn the steps to building an explanation. By the end of this session, the participants are given the small group work.</p>
10.30am-11.00am	<b>Morning Break</b>
11.00am-1.00pm	<p><b>Dealing with Assumptions</b></p> <p>It is essential how to deal with the assumption in critical thinking. The participants would understand the assumptions and the impact of assumption. In addition, the participant would learn when to apply</p>

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	assumption during critical thinking. In addition, the participants would learn how to critically evaluate assumptions.
<b>1.00pm-2.00pm</b>	<b>Lunch</b>
<b>2.00pm-3.30pm</b>	<p><b>Common Sense, Critical and Creative Thought Systems</b></p> <p>This module brings participants to reflect on the operational definition of common sense and how to use common sense in thinking creatively. In this session, participants would anticipate creative thinking exercise and De Bono's Thinking Hats is introduced as a tool in critical thinking.</p>
<b>3.30pm-4.00pm</b>	<b>Tea Break</b>
<b>4.00pm-5.00pm</b>	<p><b>Putting It into Practice in Industrial Revolution</b></p> <p>In this module, the participant would learn how to apply IoT and also big data in critical thinking. In addition, the participants would use technology to assist in their critical thinking process and completing the project.</p>