

# Hazard Identification, Risk Assessment and Risk Control (HIRARC) Training Course

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## Course Introduction

Hazard always present in our workplace whether it is low risk, medium risk or high risk it is a requirement for us to identify it and manage the risks. Hazard Identification, Risk Assessment and Risk Control (HIRARC) have become fundamental to the practice of planning, management and the operation of day to day operation. HIRARC is deem as proactive way of managing hazard and risk at workplace, so we will able to control the identified hazard before it causes accident. This training program will give the participant skill and knowledge on how to develop HIRARC based on activities at workplace. This HIRARC is part of regulatory requirement under Occupational Health & Safety Act 1994 and a pre-requirement for OHSAS 18001, MS1722 and ISO 45001 management system certification.

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### OBJECTIVE OF THE COURSE

Upon completion of the course, participants will be able to:

- ✓ Understand different types of hazards that presence in the workplace
- ✓ Learn how to effectively identify hazards in the workplace
- ✓ Understand the occupational hazard groups and the health risks that certain workplace hazard pose
- ✓ Evaluate and risk assessment associated with the identified hazards and make recommendations on eliminating or reducing the risks of these hazards
- ✓ Determine the appropriate control measures and measure the effectiveness of the control measures taken
- ✓ Making the workplace safer and compliance to the legal requirement

### WHO SHOULD ATTEND

- ✓ Operation / Production / Purchasing Managers and Executives
- ✓ Management / Human Resources Managers and Executives
- ✓ Engineers and Technicians
- ✓ Safety and Health Officers
- ✓ Safety and Health Committee / Leaders
- ✓ Supervisors

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## Training Methodology

This training will involve the following:

- ✓ Lecturer
- ✓ Knowledge sharing
- ✓ Video presentation
- ✓ Group assignment
- ✓ Group Presentation

**Double Effect Sdn Bhd**

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## Training Agenda

Time	Agenda
9.00 am - 9.30 am	Ice Breaking & Overview of HIRARC
9.30 am - 10.30 am	<b>Module 1 - Causes of Accident &amp; Consequences</b> <ul style="list-style-type: none"><li>-What are the contributing factors of accident</li><li>-Cheese Model</li><li>-Unsafe act and unsafe condition</li><li>- 7 Type of hazards in workplace</li></ul>
10.30 am - 10.45 am	Tea Break
10.45 am - 11.30 am	<b>Module 2- Legal requirement for HIRARC review</b> <ul style="list-style-type: none"><li>-OSHA 1994 requirements</li><li>-OSHA amendment (2022) Risk assessment requirements</li><li>-content of DOSH HIRARC Guidelines 2008</li></ul>
11.30 am - 12.30 pm	<b>Module 3- Hazard Identification</b> <ul style="list-style-type: none"><li>-Hazard identification process</li><li>-How to gather information on Hazard?</li><li>-Accident statistics JKKP6,7 &amp; 8</li><li>-Audit reports</li></ul>
12.30 pm - 1.30 pm	Lunch Break
1.30 pm - 2.30 pm	<b>Module 4- Risk Assessment</b> <ul style="list-style-type: none"><li>-How to perform Risk Assessment?</li><li>- Likelihood &amp; Severity</li><li>-Existing Control consideration</li></ul>
2.30 pm - 3.00 pm	Group Activity
3.00 pm - 3.15 pm	Tea Break
3.15 pm - 4.30 pm	<b>Module 5 - Risk Control</b> <ul style="list-style-type: none"><li>-Risk Control Hierarchy</li><li>-How to control risk effectively?</li><li>-Best Practice sharing</li><li>-Completing the HIRARC</li></ul>
4.30 pm - 5.00 pm	Question & Answer session
5.00 pm	End of Training