



## **"Mastering HSE Management Systems: ISO 14001 & ISO 45001 Essentials"**

### **Course Introduction:**

This intensive one-day course is designed for professionals seeking to deepen their understanding of Health, Safety, and Environmental (HSE) management systems in accordance with ISO 14001 and ISO 45001 standards. Participants will explore the roles and responsibilities of the Health and Safety Committee (HSC), learn to develop and manage aspect-impact and hazard-risk registers, and gain insights into effective waste management, energy and water monitoring, and incident reporting. The course will also cover the importance of personal protective equipment (PPE) records, emergency response planning, and the evaluation and improvement of mock drills. By the end of the day, participants will be equipped with the knowledge and tools necessary to enhance their organization's HSE performance.

### **Target Audience:**

This course is ideal for HSE managers, safety officers, environmental officers, compliance managers, operations managers, and any professionals involved in or responsible for health, safety, and environmental management within an organization. It is also suitable for members of the Health and Safety Committee and those seeking to implement or improve ISO 14001 and ISO 45001 management systems.

### **Day 1: Comprehensive HSE Management Systems**

#### **Module 1: Health and Safety Committee (HSC) Roles and Responsibilities**

- Introduction to HSC: Understand the purpose and function of the Health and Safety Committee within an organization.



- HSC and ISO Standards: Explore the roles and responsibilities of the HSC in relation to ISO 14001 and ISO 45001 compliance.

## **Module 2: Aspect–Impact Register (ISO 14001)**

- Identifying Environmental Aspects: Learn how to identify and categorize environmental aspects within organizational operations.
- Evaluating Environmental Impacts: Understand the process of evaluating the significance of environmental impacts for effective management.

## **Module 3: Hazard & Risk Register (ISO 45001)**

- Identifying Workplace Hazards: Develop skills to identify potential hazards in the workplace environment.
- Risk Assessment and Control: Learn methodologies for assessing risks and implementing control measures to mitigate them.

## **Module 4: Waste Management Records**

- Effective Waste Management Practices: Understand the principles of waste management and the importance of maintaining accurate records.
- Compliance and Reporting: Explore how to ensure compliance with environmental regulations through detailed record-keeping.

## **Module 5: Energy and Water Monitoring**

- Monitoring Techniques: Learn techniques for monitoring energy and water usage to improve efficiency and sustainability.
- Data Analysis and Reporting: Understand how to analyze monitoring data and report findings to stakeholders.



## **Module 6: Environmental Incidents**

- Incident Reporting Procedures: Gain knowledge of the procedures for reporting environmental incidents in compliance with ISO standards.
- Root Cause Analysis: Learn techniques for conducting root cause analysis to prevent future incidents.

## **Module 7: PPE Records Management**

- Importance of PPE Records: Understand the significance of maintaining accurate PPE records for worker safety.
- Record Maintenance Strategies: Learn strategies for organizing and maintaining comprehensive PPE records.

## **Module 8: Incident and Near Miss Reports**

- Differentiating Incidents and Near Misses: Understand the distinction between incidents and near misses and their implications for safety.
- Reporting and Analysis: Learn how to effectively report and analyze incidents and near misses to enhance workplace safety.

## **Module 9: Emergency Response Plans**

- Developing Emergency Response Plans: Gain insights into creating effective emergency response plans tailored to organizational needs.
- Roles and Responsibilities in Emergencies: Understand the roles and responsibilities of personnel during emergency situations.

## **Module 10: Mock Drill Records and Evaluation**

- Conducting Mock Drills: Learn the importance of conducting regular mock drills to test



emergency response plans.

- **Drill Evaluation and Improvements:** Explore methods for evaluating mock drills and implementing improvements based on findings.

By the end of this one-day course, participants will possess a comprehensive understanding of HSE management systems aligned with ISO 14001 and ISO 45001, equipping them to enhance safety, health, and environmental performance within their organizations.