

HSE MANAGEMENT SYSTEM

HSE047

COURSE DESCRIPTION

This comprehensive training course is designed to provide professionals with a solid foundation in Health, Safety, and Environment (HSE) Management Systems. Participants will gain insights into the essential components and standards that shape effective HSE practices, including ISO 45001 and ISO 14001 standards. Key topics include hazard identification, risk assessment, regulatory compliance, and the implementation of HSE policies that foster a culture of safety within organizations.

Through practical case studies and interactive modules, this course covers strategic planning, HSE performance monitoring, incident investigation, and continuous improvement processes essential for maintaining robust HSE management systems. Participants will also develop the skills necessary for conducting audits, setting KPIs, and performing root cause analyses to enhance safety and environmental practices within their organizations.

COURSE OBJECTIVES

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

- Understand the fundamental concepts of Health, Safety, and Environment (HSE) management.
- Learn about the components and standards of HSE Management Systems.
- Recognize how to implement and maintain an effective HSE Management System.
- Understand the regulatory requirements and best practices in HSE management.
- Develop the skills to identify, assess, and manage risks associated with health, safety, and environmental issues.

WHO SHOULD ATTEND

This course is suitable for:

- HSE Managers and Officers
- Supervisors and Team Leaders
- Employees involved in HSE-related tasks
- Quality Assurance and Compliance Personnel
- Any personnel responsible for HSE within an organization

COURSE DURATION

5 Working Days

COURSE OUTLINES

1. Introduction to HSE Management Systems

- Definition and importance of HSE Management
- Overview of HSE standards (ISO 45001, ISO 14001)
- Benefits of implementing an HSE Management System

2. HSE Policy and Leadership Commitment

- Developing an HSE policy
- Role of leadership and management commitment
- Creating a culture of safety within the organization

3. Risk Assessment and Hazard Identification

- Techniques for identifying hazards
- Risk assessment and management process
- Tools for hazard identification (JSA, HIRA)

4. Legal and Regulatory Requirements

- Key regulations and standards for HSE management
- Understanding compliance obligations
- Strategies for staying up-to-date with legal requirements

5. Planning and Objective Setting

- Setting HSE goals and objectives
- Action plans for continuous improvement
- Establishing KPIs for HSE performance

6. Implementation of HSE Procedures and Controls

- Developing operational controls
- Emergency preparedness and response
- Permit to Work (PTW) system, Lockout-Tagout (LOTO), and other safety protocols

7. Training, Awareness, and Competence

- Importance of HSE training programs
- Training needs assessment
- Methods for building awareness and competence in HSE practices

8. Incident Investigation and Reporting

- Procedures for incident reporting and investigation
- Root cause analysis techniques (e.g., 5 Whys, Fishbone Diagram)
- Learning from incidents and implementing corrective actions

9. HSE Audits and Performance Monitoring

- Types of HSE audits (internal and external)
- Steps for conducting HSE audits
- Monitoring and evaluating HSE performance indicators

10. Continuous Improvement and Management Review

- Role of continuous improvement in HSE management
- Conducting management reviews
- Identifying opportunities for improvement and best practices

A large, light blue, lowercase sans-serif watermark of the word "arctic" is centered at the bottom of the page.