

Course Overview:

This advanced corporate training program is designed to equip participants with critical fire safety observation and response capabilities essential in high-risk work environments. It focuses on enhancing awareness of fire hazards, understanding ignition mechanisms, and applying globally recognized firefighting principles aligned with UL and NFPA standards. Participants will develop the ability to identify potential fire risks, select appropriate extinguishing methods, and respond effectively to early-stage fire incidents. The program supports organizational safety compliance, reduces operational risks, and strengthens emergency preparedness within corporate and industrial settings.

Course Objective:

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

- Identify fire hazards and ignition sources in workplace environments.
- Classify fires according to UL and NFPA standards.
- Apply firefighting theories to interrupt combustion processes.
- Select appropriate fire extinguishing agents based on fire type.
- Demonstrate correct usage of manual fire extinguishers.
- Respond effectively to small-scale fire incidents in various settings.
- Analyze common causes of fires and implement preventive measures.

Course Outline:**Module 1: Fundamentals of Fire Safety**

- Importance of fire safety in corporate environments
- Roles and Responsibilities of a Fire Safety Observer
- Overview of fire incidents in workplaces

Module 2: Fire Causes and Prevention

- Common causes of workplace fires
- Electrical, chemical, and human-related fire risks
- Preventive measures and safety protocols

Module 3: Ignition Theory and Fire Behavior

- Fire triangle and fire tetrahedron concepts
- Chemical reactions in combustion
- Fire growth and spread mechanisms

Module 4: Fire Classification Standards (UL & NFPA)

- Classes of fire (A, B, C, D, K)
- Characteristics of each fire class
- Matching fire types with appropriate response

Module 5: Firefighting Principles

- Methods of extinguishing fire (cooling, smothering, starvation, inhibition)
- Interrupting the combustion process
- Limitations of firefighting techniques

Module 6: Fire Extinguishing Agents

- Types of extinguishing agents (water, foam, CO, dry chemical)
- Advantages and limitations of each agent
- Selection criteria based on fire class

Module 7: Proper Use of Fire Extinguishers**Training Language:**

English

Training Methodology:

The course combines various teaching methods, including instructor-led presentations, group discussions, case study analyses, and assessments through quizzes and a final exam to engage participants and ensure they understand and retain the material.

- Types of portable fire extinguishers
- PASS technique (Pull, Aim, Squeeze, Sweep)

-Safety precautions during use

Module 8: Handling Basic Fire Incidents

-Responding to small fires in offices and homes

-Fire response in vehicles

-Emergency communication and escalation procedures

Module 9: Fire Risk Assessment and Reporting

-Identifying hazards during inspections

-Reporting unsafe conditions

-Documentation and compliance requirements

Module 10: Fire Safety Best Practices and Compliance

-Aligning with corporate safety policies

-Understanding regulatory requirements

-Continuous improvement in fire safety management

Who Should Attend:

- Fire Safety Officers and Observers
- HSE Officers and Supervisors
- Facility and Operations Personnel
- Emergency Response Team Members
- Employees working in high-risk environments