

## *Safety Measures & Hazard Control*

### Course Outline:

#### Module 1: Fundamentals of Occupational Safety

- Introduction to occupational safety.
- Safety culture and human factors.
- Legal frameworks and safety regulations (OSHA, ISO 45001).
- Roles and responsibilities in safety management.

#### Module 2: Hazard Identification & Risk Assessment

- Types of workplace hazards (physical, chemical, biological, ergonomic, psychosocial)
- Hazard identification methods (inspections, audits, observations)
- Risk assessment process (likelihood, severity, risk matrix)
- Job Safety Analysis (JSA) and HAZOP

#### Module 3: Control Measures and Hierarchy of Controls

- Elimination and substitution of hazards
- Engineering controls (machine guarding, ventilation)
- Administrative controls (training, signage, procedures)
- Personal Protective Equipment (PPE) selection and use
- Safety data sheets (SDS) and labeling

#### Module 4: Emergency Preparedness & Incident Response

- Types of emergencies (fire, chemical spill, electrical shock, natural disasters)
- Emergency response planning and drills

# EXPERT

EXPERT & PROFESSIONAL EXCELLENCE FOR TRAINING & CONSULTATIONS

- Evacuation procedures and communication plans
- Accident investigation and root cause analysis
- Reporting and documentation procedures

## **Module 5: Safety Performance Monitoring & Continuous Improvement**

- Safety audits and inspections
- Key Performance Indicators (KPIs) for safety
- Behavior-based safety (BBS)
- Corrective and preventive actions (CAPA)
- Safety training and awareness programs
- Developing a continuous improvement plan

Location	Dubai – Dusit Thani Hotel
Start Date	23 Nov 2025
End Date	27 Nov 2025