

# H S E

HEALTH

SAFETY

ENVIRONMENT



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## Environmental Safety Management

**Duration:** 5 Days



### Introduction:

This course is designed to provide the participants with the due knowledge and skills that enable them to practice a comprehensive Environmental Safety Management plan in order to conserve environment for a better life on Earth.

### Methodology

This interactive Training will be highly interactive, with opportunities to advance your opinions and ideas and will include;

- Lectures
- Workshop & Work Presentation
- Case Studies and Practical Exercise
- Videos and General Discussions

### Certificate

BTS attendance certificate will be issued to all attendees completing minimum of 80% of the total course duration.

## **Who Should Attend?**

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- Safety engineers and supervisors
- Environment protection team members
- Intermediate management staff

## **Course Objectives:**

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### **After this course the participants will be able to:**

- Identify the importance of environmental safety management plan
- Identify how human activities affect environment
- Understand the ecological concepts and principles
- Identify the impact of some pollutants on environment
- Control hazardous material at workplace
- Respond properly to environmental emergencies
- Practice effective environmental auditing

## **Course Outline:**

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### **DAY ONE**

#### **Module 1 - Introduction to environmental management**

- Definitions
- statistics
- Proactive VS reactive approach
- Environmental management systems

- Management responsibilities
- The evolution of environmental management
- Benefits of environmental safety management

## **DAY TWO**

### **Module 2 - Human Activity and the Environment**

- The impact of industrial development
- Resource utilization
- Burning of fossil fuels
- Impact of deforestation
- Human activities and climate changes

### **Module 3 - Understanding Ecological Concepts and Principles**

- The Value of Biodiversity
- Ecosystem management concepts
- Ecological Principles

## **DAY THREE**

### **Module 4 - Major Environmental Problems**

- Adequate and Clean Water Supply
- Pollution
- Land Contamination
- Environment-Threatening Incidents & Response
- Industrial Environmental Stewardship

### **Module5 - Hazards, Fate and Effects of Pollutants**

- Environmental Fate and Effects
- Toxicity Criteria
- Exposure Assessment

- Evaluation of Hazards through a Scoring System
- Control of Environmental Noise

## **DAY FOUR**

### **Module 7 – Hazardous Materials**

- Hazardous wastes causes and effects
- Hazardous wastes solutions
- Hazardous Chemical Management
- Control of Emissions to Air
- Control of Contamination of Water Sources
- Control of Waste and Land Use

### **Module 8 - Environmental Emergency Response**

- Environmental Emergency Response program
- Types of environmental emergencies
- Environmental emergencies preparedness

## **DAY FIVE**

### **Module 9 - Environmental Auditing**

- Why important is environmental audit?
- Components of environmental audit
- Environmental auditing practice and procedures
- Auditing stages