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## Human Error Reduction

### Overview

Human error plays a significant role in contributing to many mishaps. Approximately 70-90% % of accidents under complex and high technology system are caused by human error such as Chernobyl, King Cross undergrounds fire, Challenger accidents, Tenerife runway collision and many more. Understanding and preventing human error can improve system safety and reduce safety risks caused by human error. This training workshop gives you a clear presentation of human error concept and how to prevent and reduce them. This course will allow you to learn how to examine error-likely situations learn the potential human error problems before they occur and understand a comprehensive set of practices, tools and techniques required to prevent and reduce human errors that occurred in your complex environment and apply them in the real world problems. Our training course is full pack of industrial cases, hand-on exercises, and various examples.

### Objectives

The 1 days interactive training workshop will enable you to learn how to

- Understand a key concept of human error that occurred in your complex environment
- Identify the key contributing factors to human error
- Build an effective defence against errors
- Utilize a comprehensive set of tools and techniques required to prevent and reduce human error

### Course Outlines

1. What is human error
2. Human error is a major cause of accidents
3. Types of human error
  - Skill-based behavior
  - Rule-based behavior
  - Knowledge-based behavior
4. The contributing factors or performance shape factor (PSF) to human error
5. Human error reduction techniques
6. Case study : The case of system accidents due to human error
7. Workshop : Identify and classify human error

### Who should attend

Safety manager, safety engineer, risk manager, maintenance, and investigator

### Duration


1 days

### Key Points about This Course

- You will learn how to understand the concept of human error
- You will learn how to understand the human performance and limitations and apply them to prevent and reduce human error
- You will learn how to identify and classify key contributing factors to human error
- You will learn how to learn and apply various human error reduction techniques

### Learning Outcomes from this course

- You can understand a key concept of human error that occur in your complex environment and lead to undesirable events
- You can identify a key contributing factors to human error
- You can inspect and check your defence against errors

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- You can apply a comprehensive set of tools and techniques required to prevent and reduce human error