

Course code: F1013

Ergonomics/ Human factors principle

Ergonomics or human factors(HF) is the science of designing and arranging things to ensure people and their work interact safely and efficiently. Human factors research employs methods and approaches from these and other knowledge disciplines to study human behavior and generate data relevant to previously stated goals. Participants learn the details of principle which to be able to apply within their organization.

OBJECTIVE

- To describe the overview of HF approach.
- To provide knowledge HF related to comply with relevant standard.
- To explore the wide variety of functions within the HF field .
- To build awareness and encourage continual improvement within organization.

CONTENT

• Session 1: Introduction

Provide an overview of the HF field and the role of the HF practitioner. Describe the key components of HF.

• Session 2: Terms and Definitions

Describe relevant terms and definitions that normally use in related HF fields.

• Session 3: Fundamental of HF

This section designs specific in industry. Describe the importance of HF and adherence to industrial regulations in management system. The content covers examples of ethical dilemmas and potential resolutions in the HF field.

• Session 4: Role and responsibility to manage HF.

This session underscores the crucial role of HF for individuals handling HF management system. The content provides a comprehensive overview of role and responsibility to comply with relevant regulations. Describe the relationship between a successful safety program, effective leadership and communication, and a strong commitment to safety.

• Session 5: Conclusion

Conclude essential topics.

Exercise workshop will also be delivered in each key sessions

PREREQUISITES

Basic knowledge in safety or quality will be beneficial. Experience in any industry will be more benefit.



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