

# Fundamental Industrial Engineering



## PROGRAM OUTLINE :

### Manufacturing System Analysis

- Definition and Purpose
- Symbol Systems
- Ergonomic
- The Fabrication Chart
- The Precedence Chart

#### Types of charts :

- ⇒ Operation Process Chart
- ⇒ Flow of Process Chart
- ⇒ Flow of Diagram

### Method of Summary Charting

- Definition and Purpose

#### Types of charts :

- ⇒ Left and right hand chart
- ⇒ Man and Machine Chart

### Process Time

- History of Human Work Measurement
- Terms and Definition
- Time Study Tools and Techniques
- Performance Rating Exercises

### Line Balancing

- Factors influencing product assembly : design, equipment, precedence
- Build Methods: process or product orientation
- Line Types : Straight, circular, indexing or continuous
- Requirement for the line balancing process
- Line Balancing Procedure Exercise

## OBJECTIVES :

- Participants can solve the problem in related with planning, development, and system improvement integrated with man, machine, and material.
- To understand and to implement methodology of *Industrial Engineering* to increase *productivity, cost reduction* and efficient operation at the end to increase company performance.

## PROGRAM METHOD :

On-site/on-demand training. Clear graphic presentation, Interactive exercises, customized learning path based on your knowledge, dynamic flowcharts – use your own figures.

## WHO SHOULD ATTEND :

Anyone needing to develop their understanding of finance, no prior knowledge or experience.

Registration:

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