

2 Days Program in Manufacturing and Warehouse Management

1.0 COURSE OVERVIEW

The success and profitability of an organization can be greatly affected by the efficiency of its manufacturing and warehousing operations. Efficient manufacturing and warehousing management can help reduce operating costs and increase profitability of the organization, help to retain customers and maintain continuous growth.

For over two centuries, operations, production and warehouse management has been recognised as an important factor in a country's economic growth. In the next five years these are are poised to undergo a seismic shift, moving from still prevalent manual processes to automated solutions. With these new automated processes where workers are assigned to specialised tasks in which they would become highly skilled. To manage the current and future breed of workers, the supervisors need to increase their skills and knowledge on people management, process management and keep abreast of the current and modern trends in manufacturing and warehousing operations

This course will not only provide essentials for manufacturing and warehousing operations, the methodologies, principles and practices of good manufacturing and warehousing operations but also the various tools and equipment available in the market in order to enhance the efficiency of the warehouse.

2.0 COURSE OBJECTIVES

- To equip participants with knowledge of the key principles and processes within a manufacturing and warehousing operations environment
- To develop knowledge in specific areas of manufacturing and warehousing to support career development for professionals and efficiency in operations for organizations
- To develop knowledge and understanding of the warehouse management and operations

3.0 LEARNING OUTCOMES

On successful completion of this training, participants are expected to be able to:

1. Understand the importance of production and warehousing processes
2. Identify the systems used in warehouse management
3. Understand the interdependencies between manufacturing and warehousing operations
4. Identify latest tools and equipment available in the market to enhance warehousing efficiency
5. Gain specific skills and knowledge and acquire global awareness of modern trends to ensure efficiency and productivity
6. Develop management skills as well as develop knowledge in areas of supply chain to support career development for professionals and efficiency in operations for organization

4.0 COURSE OUTLINE

4.1 TWIN OBJECTIVES OF MANUFACTURING MANAGEMENT

- Operation concept of Production
- Objective of production management
- Conversion process of production
- Components of production function
- Responsibilities of production manager
- Qualities of production manager

4.2 NEW TECHNIQUES AND TOOLS IN MANUFACTURING MANAGEMENT

- Reduce quality costs
- Reduce material handling costs
- Improve labour productivity
- Minimize throughput time
- Build team spirit

4.3 INVENTORY MANAGEMENT AND CONTROL

- Why Inventory Management
- Importance and Scope of Inventory
- Cost Concepts in inventory
- Inventory Models
- Inventory Control
- Inventory Optimization

4.3 NEW TECHNIQUES AND TOOLS IN WAREHOUSE MANAGEMENT

- Warehouse Tools and Equipment
- Storage and handling media selection to optimize warehouse utilization
- Radio Frequency Identification (RFID)
- Warehouse management System (WMS)
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4.4 IT INTEGRATION IN PRODUCTION AND WAREHOUSE MANAGEMENT

- Automation and Mechanization
- Alignment between IT and Operations
- System Linkage and integration

5.0 COURSE DELIVERY

The course will be conducted using these approaches:

- Training to elaborate and reinforce the recommended material
- Group/Class discussions
- Video Presentations