

Advanced systems for warehouse management, inventory analysis and control

Introduction:

Warehouses currently play a crucial role in ensuring a high level of customer service and overall logistics performance. Warehouses effectively reduce inefficiencies in supply chains and effectively contribute to improving logistics services in addition to the accuracy of inventory management. The ideal role of warehouse management today has become: Reducing storage costs and improving customer service at the same time, this program presents the basics of organizing and managing warehouse operations. The course explains all the operations that are carried out within the warehouse with their best practices (receiving, handling, storage, preparation and loading). In addition, the warehouse infrastructure will be discussed. And labor, equipment, documents cycle, and work coordination. The training course also focuses on the latest information technology and warehouse control systems, such as barcodes and radio frequencies. The course also covers the best practices for quality, environment, health, and safety in the warehouse. Some control and monitoring methods will be discussed to maintain a high-level warehouse. They will also be introduced to modern methods in the process of inventorying and monitoring warehouses, learning about some international experiences in the field of inventory control, and ensuring the development of participants' administrative skills to carry out warehouse and warehouse work according to modern scientific principles.

Target groups:

Employees and managers working in warehouses, purchasing, planning, operations and logistics.

Workers in other departments to learn more about warehouse operations such as:

Finance, sales, marketing and human resources departments.

Anyone who finds himself in need of this course and wants to develop his skills and experience.

Training objectives:

At the end of this course, participants will be able to:

Knowledge of the concept of warehouse management and its importance efficiently.

Understand the role and importance of effective warehouse management.

Link warehouse management to logistics and transportation and understand the preferences of related decisions.

Knowledge of logistics best practices in receiving, handling and storage.

Control the size and movement of inventory.

Get a clear view of the latest IT systems in the store.

Knowledge of quality, environmental, health and safety best practices in the store.

Understand some continuous improvement philosophies and how to use them to solve problems.

Understand how to use KPIs to control and improve warehouses.

Writing inventory control reports and managing warehouses efficiently.

Target competencies:

Store Management.
The relationship of warehouse management with other departments.
The concept, objectives and importance of inventory control.
Receiving and disbursing procedures in stores.
Inventory planning.
Methods of classifying and coding materials.
Methods of coding materials.
What is inventory?
The importance of warehouse planning.
The concept of security and safety in warehouses.
Stagnant stock, its diagnosis, effects, and methods of disposal.
Definition of inventory reports.

Course content:

Store Management:
The concept of warehouse management
The importance of the storage function
Practical and economic importance
Planning and organizational importance
Executive importance
The main objectives of the storage function
Conditions necessary to achieve warehouse management objectives
The negative effects of not paying attention to stores
Types of warehouses and methods of classification
Varieties and types of stored materials

The relationship of warehouse management with other departments:

production management
Sales Administration
Inventory control management
Service and maintenance management
Movement management
Finance management
The concept, objectives and importance of inventory control:
Inventory control tasks
Administrative organization for inventory control
Factors affecting the internal administrative organization of inventory control
Administrative dependency for inventory control

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Receipt and disbursement procedures in stores:

Receiving procedures
Temporary receipt of items.
Final receipt of items.
Exchange procedures
Powers to issue items/materials
Exchange operations from warehouses
Material return procedures

Inventory planning:

The concept and importance of inventory planning
Types of inventory plans
Inventory plan elements
Equations for calculating the required quantities and their values
practical application
Costs associated with inventory
Follow inventory plans
Forms used to follow the inventory plan
Determine inventory levels
Minimum stock
Maximum stock limit
practical application
The importance of reserve stock and scientific methods for calculating it
Modern trends in storage

Methods of classifying and coding materials:

Classification according to the relationship of the item to the manufacturing process
Classification according to item movement (FSN) or frequency of purchase
Classification according to the value of use of items (ABC (tripartite analysis of inventory))
Classification by unit price (HML)
Classification according to importance of variety for use (VED)
Classification according to difficulty of obtaining items (SDE)
Classification according to sources of supply
Nested (double) classification

Material coding methods:

Advantages of the confirmation system

Symbols used for emphasis

Methods used for confirmation

Characteristics of emphasis

What is inventory?

The importance of inventory

Types of inventory

Total inventory

Continuous total inventory

Partial inventory

Sudden inventory

Requirements for carrying out the inventory process

Inventory procedures

Reasons for the differences

The importance of warehouse planning:

How to plan warehouses and make optimal use of all available space

Interior design of warehouses

Manual and mechanical material handling methods

Principles for selecting handling equipment

Training workers on handling methods

The concept of security and safety in warehouses:

Causes of accidents in warehouses

Fire, its causes, and reducing it

Damage to stored materials and work to prevent them

Prevention methods - security and safety programs

Quantitative metrics for evaluating security and safety programs

Stagnant stock, its diagnosis, effects, and methods of disposal:

The role of warehouse management in dealing with stagnant inventory

Causes of damage and loss of inventory and how to reduce them

Definition of inventory reports:

Types of inventory reports and their importance

The importance of using computers in inventory control

Uses of computers in the field of warehouse work

Lessons learned from the training program and how to apply them to improve and develop the productivity of the work environment for participants