Course Topic:

Date: 12-13 March 2015

Venue: CIE Building, NUST H-12 Campus

Course Overview

Inventory takes up on average around 30% of a business investment including raw material, in transit and finished goods. Efficient management of this significant amount can result in much needed competitive advantage for any business. Even in the public sector, better inventory and warehousing management can support timely response to disasters and calamities. This field is one aspect of the much wider concept of supply chain management.

In this course a brief introduction to inventory and warehousing will be made. Various techniques will be elaborated. Light will be shed on latest trends. Practical cases will be discussed to enable understanding of various concepts.

Training Objectives

1. To develop understanding of the tools used in inventory management
2. To be able to use forecasting methods for better planning
3. To develop a basic understanding of warehousing operations
4. Be aware of the global best practices in inventory and warehouse management

Training Methodology

1. Power point Lectures,
2. Group discussions and activities,
3. videos case studies,
4. exercises

Resource Person

Mr. Muhammad Kamran Khalid is a Certified Supply chain Professional (CSCP) from APICS USA and also holds the United Nation’s International Trade Corporation’s Supply Chain and Purchasing diploma. He has 15 years of professional, consultancy and academia experience both in Pakistan and USA. He is an engineer with an MS degree from USA and currently pursuing PhD studies alongside his professional activities.

Target Audience

Inventory managers, Procurement specialists, distribution and warehousing managers, logistics professionals, supply chain professionals, operations managers, process improvement consultants, military logisticians, researchers and academicians


**Professional Development Centre**  
**National University of Sciences and Technology**

**Benefits to Organization**
- Cost savings through better planning  
- Efficient operations  
- Better Customer/End User service  
- Reduced defects and complaints  
- Awareness of the global competitive trends

**Benefits to Individual**
- Career advancements  
- Professional growth  
- Skill improvement  
- Awareness of Industry direction

**Course Outline**

**Day 1:**
- Introduction to Inventory Management,  
- Economic Order Quantity  
- Classification of Inventory  
- Independent demand and Dependant demand Inventory  
- MRP and lot sizing

**Day 2:**
- Introduction to Warehousing, types and functions  
- Barcodes and RFID  
- Warehouse Equipment, tools and Machines  
- Warehouse management systems  
- Warehouse layouts and plans