

## Graduation Project Proposal Form

### 1. Project Information

- **Project Title:** Inventory Planning for a Hyper Market
- **Course/Track:** Digital Supply Chain Management, Oracle SCM
- **Team Members:**
  1. Ahmed Tarek Taha Elshazly
  2. Aly Emad El-Din Mohamed Makhoulouf
  3. Mahmoud Ramdan Gouda
  4. Ibrahim Hassan Rihan

### 2. Project Overview

- **Objective:**

To develop an optimized inventory planning system for a hypermarket that leverages digital supply chain management principles and Oracle SCM tools to enhance inventory accuracy, reduce stock outs, and minimize excess stock.
- **Scope of Work:**

Design a digital inventory planning framework using Oracle SCM tools, Define key performance indicators (KPIs) for inventory management, Develop a step-by-step plan for implementing the new system, Conduct pilot testing of the new inventory system and Validate the accuracy and efficiency of the new processes.
- **Expected Outcomes:**
  - Improved inventory turnover rates.
  - Reduced instances of stockouts and overstock situations.
  - Enhanced visibility and traceability of inventory levels.
  - Increased efficiency in order fulfillment processes.
  - Greater alignment between inventory levels and customer demand.

### 3. Problem Statement

Hypermarkets often face challenges in managing their inventory effectively, leading to issues such as stockouts, excess inventory, and increased holding costs. These challenges can stem from inadequate forecasting methods, poor data integration, and a lack of responsiveness to market changes. This project aims to address these issues through the implementation of a digital inventory planning system.

### 4. Proposed Solution

- **Technologies Used:**

Oracle ERP System
- **System Architecture:**

Inventory Module

### 5. Resources Needed

- **Hardware/Software:**

A PC or a Laptop and Oracle VMware or a Server access to Oracle

### 6. Approval

- **Instructor/Advisor:** .....
- **Signature:** .....