



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

ACADEMIC SESSION 2025-26
Odd Semester



INVENTORY STOCK MANAGEMENT SYSTEM

Submitted to:

Dr. SWATI

Assistant Professor

SOED

Submitted by:

PRIYANSHI

2401420029

B. Tech (2024-28)

Inventory Stock Management System

```
inventory = {}
```

```
def add_item():
```

```
    item = input("Enter item name: ")
```

```
    qty = int(input("Enter quantity: "))
```

```
    price = float(input("Enter price: "))
```

```
    if item in inventory:
```

```
        print("Item already exists! Updating quantity.")
```

```
        inventory[item]['quantity'] += qty
```

```
    else:
```

```
        inventory[item] = {'quantity': qty, 'price': price}
```

```
    print("Item added/updated successfully.\n")
```

```
def update_stock():
```

```
    item = input("Enter item name to update: ")
```

```
    if item in inventory:
```

```
        qty = int(input("Enter new quantity: "))
```

```
        inventory[item]['quantity'] = qty
```

```
        print("Stock updated.\n")
```

```
    else:
```

```
        print("Item not found!\n")
```

```
def remove_item():  
    item = input("Enter item name to remove: ")  
    if item in inventory:  
        del inventory[item]  
        print("Item removed.\n")  
    else:  
        print("Item not found!\n")
```

```
def search_item():  
    item = input("Enter item name to search: ")  
    if item in inventory:  
        print("Item found:", item)  
        print("Quantity:", inventory[item]['quantity'])  
        print("Price:", inventory[item]['price'], "\n")  
    else:  
        print("Item not found!\n")
```

```
def display_inventory():  
    if not inventory:  
        print("Inventory is empty!\n")  
        return  
  
    print("\n----- INVENTORY LIST -----")  
    for item, details in inventory.items():
```

```
    print(f"{item} → Qty: {details['quantity']} | Price:
{details['price']}")
    print()
```

```
# ----- Main Menu -----
```

```
while True:
```

```
    print("=== INVENTORY MANAGEMENT SYSTEM ===")
    print("1. Add Item")
    print("2. Update Stock")
    print("3. Remove Item")
    print("4. Search Item")
    print("5. Display Inventory")
    print("6. Exit")
```

```
    choice = int(input("Enter your choice: "))
    print()
```

```
    if choice == 1:
```

```
        add_item()
```

```
    elif choice == 2:
```

```
        update_stock()
```

```
    elif choice == 3:
```

```
        remove_item()
```

```
    elif choice == 4:
```

```
        search_item()
```

```
    elif choice == 5:
```

```
        display_inventory()
```

```
elif choice == 6:  
    print("Exiting... Thank you!")  
    break  
else:  
    print("Invalid choice! Try again.\n")
```