



**FACULTY OF ENGINEERING TECHNOLOGY**

**COMPUTER SCIENCE DEPARTMENT**

**COMP333, Data Base System**

**Project- Phase 2**

**Description and ER Diagram**

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**Project Name:** Medical Supplies Company.

**Idea:** This Project will justify the Data Base System for a Company called **Bethlehem Medical Supplies**, located in Bethlehem That specializes in selling Medical Supplies.

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## Contents

Description:.....	3
□ Database Requirements: .....	3
□ Relations: .....	4
□ Technology: .....	4
ER Diagram .....	5

## Description:

### →Database Requirements:

- **Employee:** Each employee has the following characteristics: IDNumber, employee name, phone number, role, email.
- **Customer:** Each of them has got the following characteristics: IDNumber, Customer name, contact number, customer type.
- **Product:** Product ID, Product Name, Price, Stock Quantity, production company, category.  
The product is divided into two types:
  - Medical equipment and devices: Warranty Period, Power Source, Certification, Expected Lifespan.
  - Medical supplies and consumables: Expiration Date, Recyclability, Usage Instructions, Storage Requirements.
- **Order:** order ID, total amount, order Date, status.
- **Login:** User ID, Username, Password.

### →Relations:

- Employee has login Data.
- Customer has login Data.
- Employees manage orders.
- Customer makes an order.
- The order is made of product.
- Products is a medical equipment and devices and medical supplies and consumables

### →Technology:

We are going to use in this project, database System, which is going to be MySQL, programming language which is JAVA and JAVAFX.

# ER Diagram

