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A U T O N O M O U S

TELECARE+

20INMCA310- Mini Project 1

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# ABSTRACT

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This Tele-medicine distribution system focuses on developing an online medicine distribution system, designed as a responsive and user-friendly web application. This system facilitates the seamless ordering, purchasing and distribution of medicines through an intuitive online platform.

## overview

This project proposes a comprehensive telemedicine distribution system designed to facilitate remote health monitoring, medication procurement, and doctor appointments, particularly for elderly or dependent patients. The system allows caregivers or family members, such as a son, to remotely order medications and conduct regular blood tests for their parents through smart medical devices integrated with the platform.

Upon completion of blood tests, the system automatically analyzes the results and compares them with baseline health parameters. If any irregularities or significant variations are detected, the system promptly triggers an alert and schedules an appointment with the appropriate healthcare provider. This proactive approach not only ensures timely medical intervention but also reduces the burden on healthcare facilities by preventing avoidable complications.

## Main Modules:

### 1.Registration and Login module:

- Enables new users to sign up by providing personal details such as name, email, and password.
- Provides an interface for users to log in using their registered credentials.

### 2.Health Monitoring and Diagnostics Module:

- Integration with wearable devices and home diagnostic tools (for blood tests, blood pressure, etc.). Automated data collection and storage from medical devices.

### **3. Medication Ordering and Distribution Module:**

- Online prescription submission and medication ordering.

### **4. Doctor Appointment Module:**

- Automated appointment scheduling based on abnormal test results.
- Prescription generation

### **5. Payment and Billing Module:**

- Online payment gateway for medication orders and doctor consultations.

### **Users in this Project**

#### **1. Admin**

- **Role:** Manages the overall operation of the system.
- **Responsibilities:**
  - Add, update, and delete users, products, and system data.

#### **2. Pharmacist**

- **Role:** Verifies user needs and facilitates the delivery of medicines.
- **Responsibilities:**
  - Review and verify prescriptions submitted by users.

#### **3. User**

- **Role:** End user who purchases or seeks medical assistance.
- **Responsibilities:**
  - Browse and purchase medicines or request medical consultations.
  - Upload prescriptions for verification.