AUTOMATIC MEDICNE DISPENSING SYSTEM – INTERNET OF THINGS 2023.3F

Higher Diploma in Software Engineering

Larana Inc.

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GROUP MEMBERS

Batuwanthudawa V.M

Niska Zameek

Imesha Shamindi

GAHDSE23.3F-006

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Introduction

Ensuring patients with long-term illnesses take their medicine on time is very important. Many elderly patients often forget, which can make their health worse. Our Automatic Medicine Dispensing System will give the right medicine at the right time and remind patients to take it. This helps reduce mistakes and keeps patients healthier.
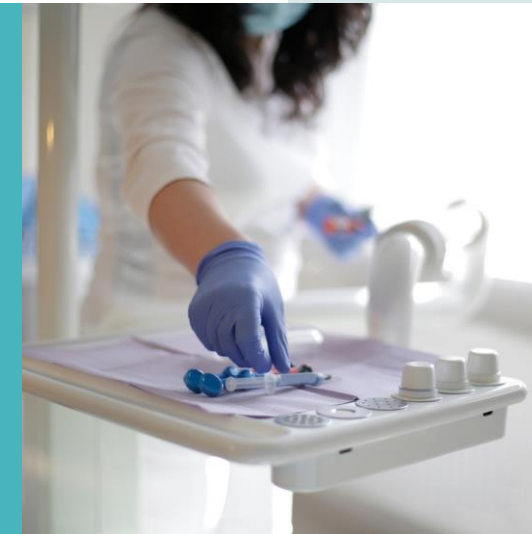
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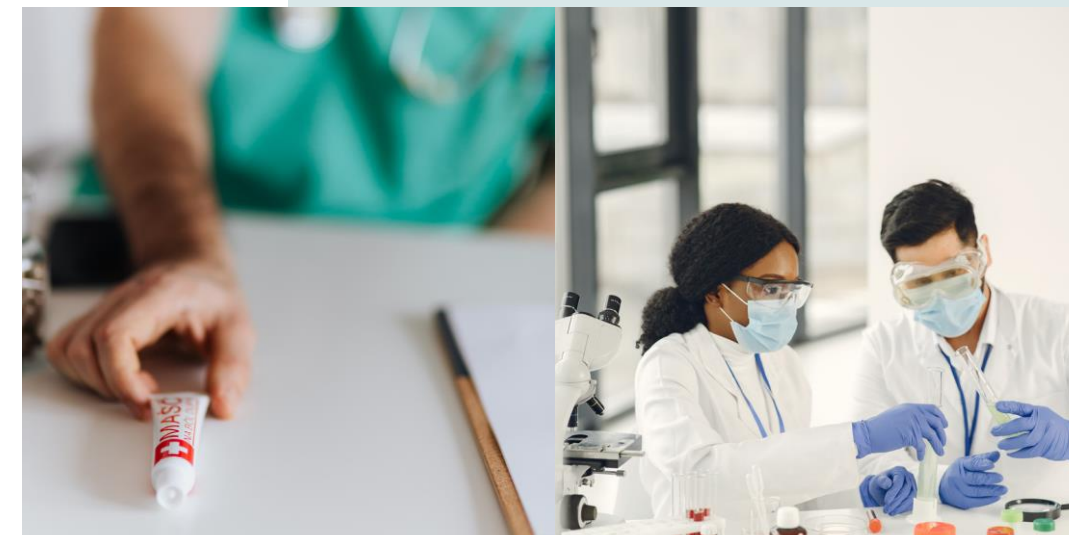
Project Objectives

- Ensure patients take their medicines on time using a smart system.

- Automate medication dispensing without human intervention.

- Improve medication adherence, especially for older adults.

- Reduce errors like missed doses or wrong dosages.

- Notify caregivers or family members about medication schedules.

- Provide an easy-to-use mobile app for managing drug routines.

Quality Service

24/7

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Project Problems

1

1st Pointer

Patients often forget to take medication on time, causing health issues.

2

2nd Pointer

Missing doses makes treatment less effective, prolongs illness, and increases healthcare costs and readmission.

3

3rd Pointer

Caregivers are distracted from other tasks to remind patients about medication.

SOLUTIONS

- Use an automatic system to ensure patients take medicine on time.

- Focus on adults who forget medicine, with a mobile app to inform caregivers.

- Reduce mistakes and improve medication adherence.

Sensors and Actuators Used.

1. **Ultrasonic Sensors**
2. **Server Motors**
3. **GSM Module**

Quality Service

IOT SYSTEM AND MOBILE APP DEMO

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AUTOMATIC MEDICINE DISPENSING SYSTEM

THANK YOU