

TECHNOLOGY DEVELOPMENT PROGRAM HEALTHTECH

Medication Management System

An intelligent system with follow-up capabilities and the ability to capture physiological parameters

maintaining records

Proposed Solution

- A. Hardware**
 - Medicine storage/dispenser box
 - Finger print scanner
 - Record physiological factors (e.g., HR, SpO₂, etc.)
 - Medicine delivery
 - Alarm & Message
 - App - Cloud connect
- B. Software/ App**
 - Record / store medication data
 - Record physiological data
 - Analyse data
 - Alarm / Reminder
 - Message / notification
 - Connect to Hardware & Cloud
- C. Data Analytics**
 - Analyse medication data
 - Analyse other data (e.g., medicine, response, etc.)
 - Message
 - Software update
 - Connect to Hospital/Pharmacy

Medication Management System

Issue Being Addressed

- ▶ Absence of a physiological parameter tracking system during the continuous medication stage
- ▶ No proper system to maintain medication history along with particular medical issues

Key Feature of the Technology/Product /App Which is Being Developed

- ▶ Have developed a medication management system, consist of two parts
- ▶ A hardware - It is a medicine storage and dispenser box Comes with a fingerprint scanner
- ▶ A software and App - Record/store medication and physiological data. Analyse physiological data during each medication

Impact & Benefit

- ▶ Offers an inclusive system for managing medications, enabling healthcare professionals to monitor the well-being of patients effectively
- ▶ Portable and easy to use device, saves time
- ▶ Provide optimum temperature for storing medicines, which increases the shelf life of medicine

Team

- ▶ Dr. Shovan Barma, Associate Professor, Indian Institute of Information Technology Guwahati (IIITG)

Faculty Entrepreneurship Program

Targeted Customers & End Users

- ▶ Hospital and Healthcare professionals
- ▶ Patients

Commercialization Status

- ▶ Prototype is developed