

Background:

Bangladesh is a small country with the population estimated at 163 million. Almost every year Bangladesh faces several natural and man made disasters. The healthcare system of this country is still manual. This leads the country to the danger of an epidemic outbreak of diseases.

The scope of misusing medicines here is as easy as ABC! People can go to a pharmacy, ask for drugs like sleeping pills or even worse antibiotic and the pharmacy sells it to them without any background check or prescription.

Implementation of software and cloud based automation, AI and Machine Learning dependent solutions in this sector will lessen the risk in great extent.

The aim of this project is to, **primarily developing easy to use web and mobile platforms** that helps people to advance towards digitalization. Eventually the platform will be updated with new features; turning that into a healthcare ecosystem and a proper startup.

Objectives:

1. Mobile app:

- a) Will let user save prescriptions.
- b) View prescriptions through QR code scan.
- c) Add new prescription to user profile.
- d) Print prescriptions.
- e) Handwritten prescription scan through OCR.
- f) Diagnostic report delivery through app.
- g) Avail various discounts and promotions.
- h) Notifications.

2. Web Backend:

- a) Control panel for overall app and data management.
- b) API endpoints for mobile and other platforms.
- c) User control.

Scope of Work:

1. Web CMS using PHP/Python.
2. Cloud scalable database setup and optimization for maximum concurrent operations.
3. Android app using Kotlin.
4. API Backend with nodejs/GoLang.