

Project Proposal

Medicine Donations Management System

Introduction

A shortage of medicine caused by an economic crisis in Sri Lanka could soon cause deaths, doctors said, as hospitals are forced to postpone life-saving procedures for their patients because they do not have the necessary drugs.

Sri Lanka imports more than 80% of its medical supplies but with foreign currency reserves running out because of the crisis, essential medications are disappearing from shelves and the healthcare system is close to collapse.

Existing solutions

We are receiving foreign donations through government affairs. But it's not enough to fulfill the ongoing shortage. There are organizations and individuals who are interested in donating money through the traditional methods which take time.

Problems with the current solutions

Interested organizations or individuals are willing to donate. but couldn't do it because of the lack of transparency and accountability. Even the details of received donations are not recorded correctly and are not publicly available. The main reason for this is the usage of traditional data storing methods.

Our Solution

Save Sri Lanka is a platform designed to address a shortage of medical supplies in hospitals in Sri Lanka caused by the 2022 economic crisis. Having a database with all records will increase the transparency of this project making it more trustworthy for the donors.

Functional Requirements

- Hospitals should be able to list medicines and equipment and publish the name of the medicine, equipment, and the quantity that they need.
- Admin should be able to create a donation package with a name, quantity of the medicine, or the equipment with the total price.

Ex: A panadol package of 1000 pills which costs Rs. 1 per pill will be Rs.1000

- The system needs to record all the details of created donation packages.
- Donors can choose multiple packages and donate money for the selected packages.
- The system should be able to view received money for donation packages and all the details of the donor.
- A donor can donate any amount of money that is less than the package value.

Ex: For a panadol package that costs Rs.1000, the maximum amount a donor can donate is Rs. 1000

- Donors can view their donation history.
- The system should have recorded all the details of donated medicine including the quantity of medicine, total amount, and the received amount of money.
- Once a medicine package receives the total required amount, the admin can place the order.

Non Functional Requirements

- The Medicine Donations Management System must be secured with proper usernames and passwords.
- The system must perform well in different scenarios

Ex: When a donor chooses more than one donation package.

- The system must have a high level of maintenance.
- The system must have a good-looking user interface.
- If any issue arises in The Medicine Donations Management System, then the project must be programmed in such a way that developers can service it again.
- All the data in the system must be accurate and reliable.
- The system must have a proper data backup mechanism.
- The system must be available 24 hours a day with no bandwidth issues.
- The Medicine Donation Management System must be alerted when the system suffers from a recovery failure.

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