Web Application for Unused Medicine for Non-Profit Organization

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Abstract—This project is aiming to make proper use of unused medicines. Making needy people aware of these services is also one of aur aims of this project. We all know how poor people are facing issues in getting proper medical treatment in different areas of India. People face these issues as they can not afford proper treatment and medical facilities which is the right of every person in India. We have seen how medical facilities, treatments and medicines are getting expensive day by day due to which poor people are not able to afford it easily. On the other side we see there are plenty of unused medicines available with some people, hospitals, different medical authorities but not given to the people who actually need it and are below poverty line. Emergency levels are also not being considered and these remedies/medicines get expired. This also leads to an increase in the death ratio of the poor people. Our system will help in collecting the medicines from different organizations and also take care that it reaches or will be delivered to the right person in time. The expiry dates of the will be checked so that the person consuming it does not fall more ill, such safety precautions will be taken.

Index Terms— Angular,OCR,NGO,Medicine,Security

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1. Introduction

Donation of unused medicines or tablets in a more organized and controlled way can save more lives and ease the suffering of the people. When actual donations are being made it creates a certain budget and that can help in development when needed or for some other similar purposes also. Our platform the "Online Unused Medicines For NGOs" is working like a bridge between the different donations of medical and NGO's. NGO's are the non-profitable organizations which help needy people and everything is being governed, administered and managed by themselves. These types of organizations need funding and get funded by different other organizations or by people's blessings or people who actually wish to help. Help cannot be only financially but also by volunteering them selflessly. Internet users are increasing rapidly and still counting so it will be very easy for users to use it. There are many websites playing the same role of donating the pharmaceutical products as we are but they are not matching the standards and security which is one of the goals of our platform, giving safe easy lives instead of endangering them. In this pandemic situation we have seen how people faced issues in getting medicines when needed and in places places they are being just wasted. In a thought of solving all this problems we came up with an improved idea and solution which will definitely bring change in our lives in future. As this is really going to be user friendly and can solve all our difficulties with no doubts.
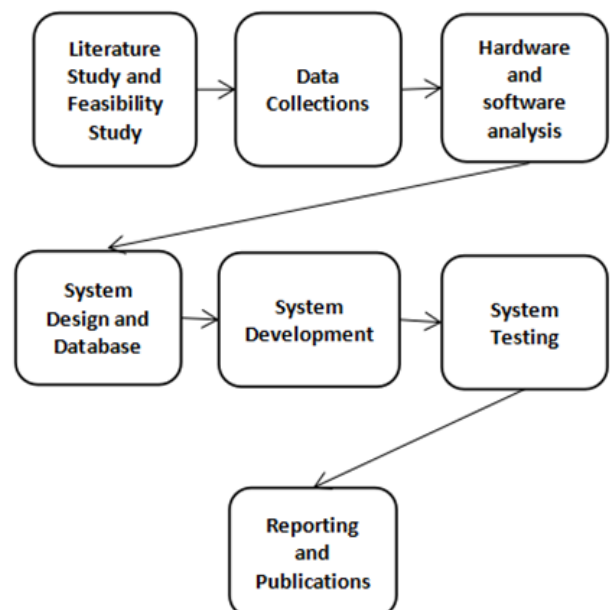
2. PROPOSED METHOD

2.1 Methodology

The main aim of this "Online Medicine Donation Portal" is to provide assistance and the required medicines to the people in need for free as not all people have the financial backing to afford expensive medicines. Our portal is aimed at being available for users, with the latest features added at the moment. By having an easy navigation system for users, the portal will become friendly, which will also make the users comfortable for donating and receiving medicines from NGOs. The database and the structure of this portal will be reliable and coordinative.

Module 1:Admin site web-based application The administrator is the super user of this application. Only admin has access to this admin page. The administrator has all the information about all the users, Volunteers, and Available Medicines. This module is divided into different sub modules. Admin approves volunteer requests because without approval volunteers cannot log in. admin select volunteers and assign respective medicines. A. All Users (Manage). B. All NGOs (Manage). C. See all medicines. D. Authenticate Appointments.

Module 2: User The user who wants to donate the medicine will first have to register themselves on the portal and verify their phone number. • After successful verification he can log in to the portal. • Fill in the necessary details of medicine and scan the barcode and click on donate medicine. • Users can see donated history and information about the volunteer who is going to arrive to pick the medicine. The user will get the reward points as a perk for the donation of medicine from the NGO side.

Module 3: NGO's / Medicals The user (donor) who accepts the request and donates the particular medicine will automatically send a request to NGOs volunteer for pickup. It will consist of medicine description sender address and delivery to (NGO's address) he will receive the notification and as soon as he accepts it, he will go for the pickup to users address and scan the medicine if it is right as per mentioned before he will accept the medicine and deliver it to the NGOs who had requested it.
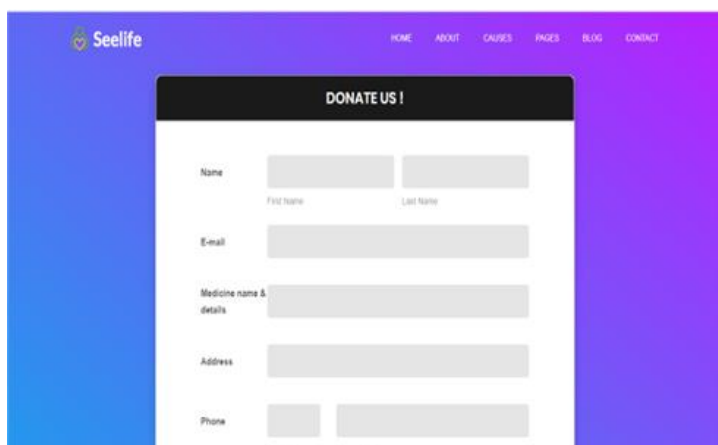
3. IMPLEMENTATION AND RESULTS

Our observation or discussion or our findings showed us that there is no such platform which provides or allows communication with all the formalities between the donators and our NGOs. This platform will help them to find a proper place and a legal place to donate their unused medicines which can be used by the needies , taking all the safety precautions .We have also focused on the availability checks of all types of medicines. In this we have used a QR code method to track our medicines so that it reaches the proper person at the right time. Here are some of the snapshots of our website which can give you a more clear view.
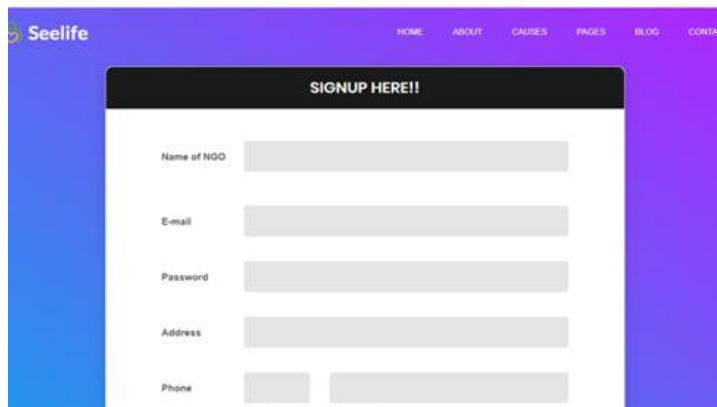

Figure 1: Home Screen

After opening of our website, this will be displayed as the first page where you can see home , about , causes , pages , blog , contact.This options will provide you with the variety of information and procedures followed by the type of work done by Ngos. You can also view options such as donate now , sign up as a Ngo and sign in as a Ngo.In donate now you will be able to donate unused medicines that you wish to date from any locations of your locality to the nearest Ngos involved with us and if any Ngos wishes to get involved or take part to make the world better place to the needy can also sign in on sign up our portal as dedicated Ngo's.

Picture 2 : Donate us

This is our another module for the donors of medicines After opening the donate us website module in our project, you will be able to see various options for registration.this module is designed for the registration of Hospitals or anyone who wants to donate their unused medicines for the serving purpose of NGO's.Here we also ask about

some details for registration purpose, details like Name, Email, Medicine name and its details, address, phone number for further communication purpose.

Picture 3: SignUp Page for NGOs

This is our third module. As we can see here the details must be entered to ensure you sign up properly on our donation website portal. The details that we need to enter are Name of the NGO , NGO's email address, Password, its location and the contact details.

4. Conclusion

In this modern and developing era everyone has become health conscious and we are finding solutions and medications for their health issues and that too in their budget. Not only rich but also poor, can be literate or illiterate, everyone wants to become physically fit. Financially unstable , poor people comparatively take more care of their health as they want to do more hard work to survive. In the future we can add different medical facilities and add more products to it. More security measures will be added to the website. This will give us more scope and ideas of betterment and development in future for the poor and needy people. We have taken this initiative just to help poor people and make their life a bit easy. I Hope this will be a great contribution and initiative to provide free medicines to the poor in an effective way. In this paper we are giving an overview of our idea and implementation.

.5. Acknowledge

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