

Android Application for Medicine Donation and Doctor Consultation

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ABSTRACT

To meet the increasing demand for improvements in the health care facilities & services users can utilize the power of internet technology & its wide network, by which people can help each other with just one click from their phone. The Medicine Donation system proposed here aims at providing an online platform for donating medicines or unused medicines to needy people. Users can register themselves on this system by submitting their necessary details. Once registered the users can donate the medicines by providing accurate medicine details to NGO's. The system will maintain a record of donated & available medicines. The users can raise a request to donate or avail the medicines. The application must be like user can donate the unused medicine to NGO. That NGO can help needy people. Many poor people who do not afford to buy their own medicines, with help of this application people can get the treatment and medicines to cure the respective diseases, the unused medicine will be utilized. This application also includes the doctor suggestions and prescriptions for the patients.

Keywords: NGO, Android Application, Donation, Medicine, Doctor Suggestions.

1. INTRODUCTION:

A donation of medication, when well organized and controlled, can save lives and ease the suffering. Effective donation practices can provide savings in budgets for development support, so that these services can be used for other purposes. The "GIVMED" program serves as a bridge between an immense network of medication donations and NGO 'S, Orphanage, Old Age house. A NGO is a non-income-driven organization autonomous of States and all-inclusive administrative organizations. They are usually sponsored by blessings, yet some completely avoid formal funding and are run by volunteers in essence. Users of smartphones have increased rapidly in the last one or two years and counting is still on it becomes very easy for users to use the android app. As we realize there are many current donation sites for medicinal items, they are not up to the standards and require more manual data handling. We are developing new and upcoming image processing technologies to overcome this problem. With this technology we can solve all the above-mentioned problems and have a very user-friendly application.

2. LITERATURE SURVEY:

1. "E-€katrit"- An Android App as a Common Platform for Multiple Types of Donation Anushree Lonbale¹, Minal Nikhade², Neha Kumari³, Uma Thakur⁴ Student^{1, 2, 3}, Assistant Professor Department of the Computer Science & Engineering Priyadarshini Institute of the Engineering & Technology, Nagpur, India.

This application comprises of use of left-over stuff or item which can be used by poor one. Application will be the total tolerating stage for the things which individuals need to give without login into another destination. Likewise, this site comprises of the various required

rundown from number of NGO which will acknowledge our client's gift. Client will have the full track of their package.

2. Guidelines for Medicine Donations Revised 2010 World Health Organization Library Cataloguing in Publication Data Guidelines for medicine donations in revised 2010. 1. Pharmaceutical preparations for supply and distribution. 2. Essential drugs for supply and distribution. 3. Relief work. 4. Emergencies. 5. Inter institutional relations. 6. Guidelines World Health Organization ISBN 978 92 4 150198 9 rating: 330 First edition 1996, Second edition in 1999, Third edition in 2011 The World Health Organization (WHO) has developed this 3rd version of the Guidelines for Medicine Donations in collaboration with major international organizations involved in humanitarian relief and development assistance. The Guidelines aim to improve the quality of donations of medication in international development assistance and emergency aid. As Good medicine donation practice is of interest to both donors and recipients.

3. PROPOSED SYSTEM:

The Online Medicine Donation System is an android based application. In this system, there are three entities, admin, Volunteer, and users. Users can post Available medicine with the medicine name, medicine description, QR code, and medicine expired date. In this process, the user should have register yourself and start with the login process. Users will verify by OTP process, this OTP process done by PHP and SMS gateway. Users can open previous donation records. Users will view Volunteer status i.e. volunteer is arriving or not and also medicine will assign or not. On the admin side, they can see all users and all volunteer details and also see all the medicines. Admin is the main part of this system. Admin approves volunteer requests because without approval volunteer cannot log in. admin select volunteer and assign respective medicines. Admin can give points to users. The volunteer is the end user that purchases respective medicines. The first volunteer registers yourself and waiting for approval because without admin approval they cannot log-in in this system. When Admin assign him medicines, he can open the user's address location on the Google map and go to that location and bring the medicines. In this system XAMPP is used for local database and PHP used for Connectivity between database and android application.

3.1. Module 1: Admin site web-based application.

The administrator is the super user of this application. Only admin have access into this admin page. The administrator has all the information about all the users, Volunteers and Available Medicines. This module is divided into different submodules. Admin approves volunteer requests because without approval volunteer cannot log in. admin select volunteer and assign respective medicines.

A. All users: Admin can view all the users' details like user name, contact number Address, donation medicines, Medicine name, medicine Description.

B. All Volunteers: Admin can view the entire Volunteers' details, like name, email id, photo, address and contact. Without admin approval volunteer cannot enter in this system. Admin can select volunteer and assign medicine to us.

C. See medicines: Admin can view all the medicines details and assign to respective Volunteers.

3.2. Module 2: User

The user who want to donate the medicine will first have to register himself on the app and verify their phone number.

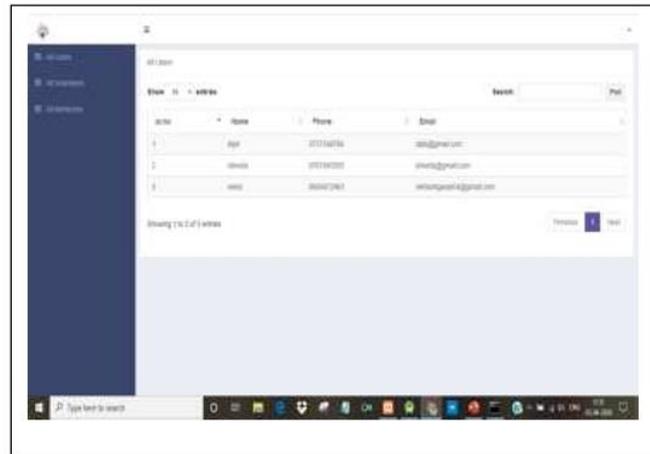
- After successful verification he can login to the app.
- Fill the necessary details of medicine and scan barcode and click on donate medicine.
- User can see donated history and information about the volunteer who is going to arrive to pick the medicine. User will get the reward points as perk for donation of medicine from NGO's side.

3.3 Module 3: Volunteer

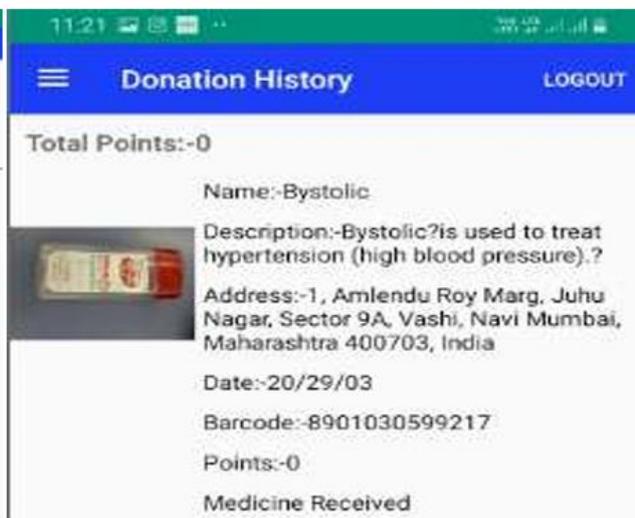
The user(donor) who accepts the request and donate the particular medicine will automatically send request to volunteer for pick. It will consist of medicine description sender address and delivery to (NGO's address) he will receive the notification and as soon as he accepts it he will go for the pickup 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 NGO's who had requested it.

4. RESULT:

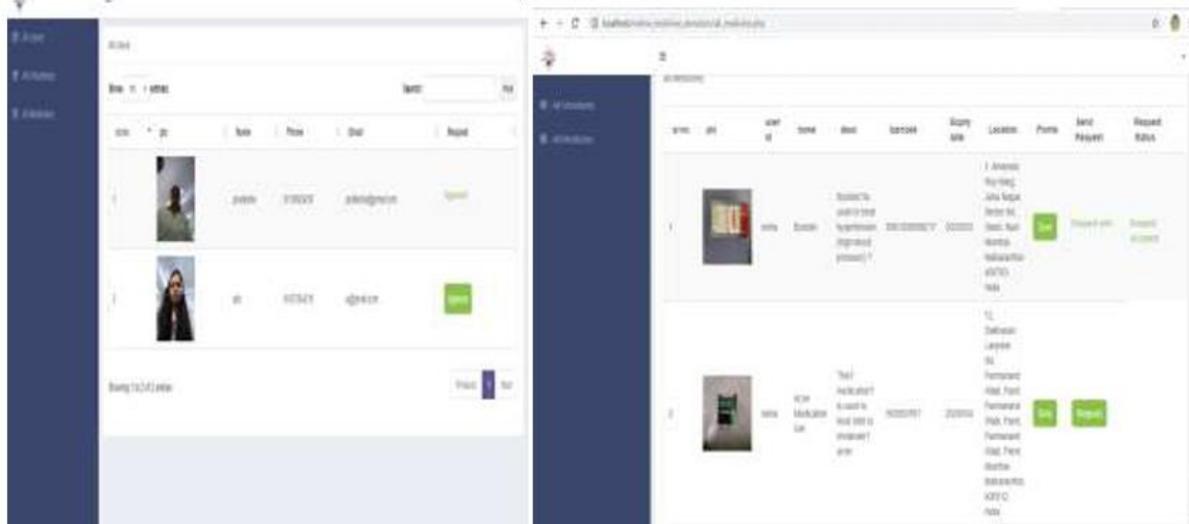
1. User module: 2. All users:



3. All medicine request: 4. Donate history:



5. Volunteer: 6. All donated medicines:



5. CONCLUSION:

Modern era has begun. People both privileged or unprivileged, literate or illiterate are now conscious about their health. It is a matter of sorrow that being conscious poor people cannot pay much attention to their health care routine because of their low income. NGO's take great initiative by providing free treatment to needy people. But most of the cases, they get the treatment not the expensive medicines. Therefore, this great initiative become valueless to them. This paper provides a brief overview of the design and development of android application, which will be very effective and will bear great contribution to get the health services for these needy or login come people. Due to this application even wastage of medicine gets reduce.

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