 

INSTITUTE FOR ADVANCED

COMPUTING AND

SOFTWARE DEVELOPMENT

AKURDI, PUNE

Documentation On

**“THINGS TO DONATE”**

E-DAC SEP- 2020

**1. Introduction**

This document explains the system requirements and scope for developing Things To Donate System.

This document communicates the business requirements and scope for developing online donation platform System named as “Things to donate”. The scope of this document is to define the functional and non functional requirements, business rules and other constraints requirements.

* Document Purpose

This document communicates the business requirements and scope for developing online donation platform System named as “Things to donate”. The scope of this document is to define the functional and non functional requirements, business rules and other constraints requirements.

* Project Background

There is no online donation system for people who want to donate things/product without wasting much time in that. Most of the time People donate products via various NGOs by visiting them or due to time efficiency they just let the products to ragman which can be reusable, then ragman tries to cuts commission out, by selling that product.

No service is available for the people to know the product donation at some online platform where they can donate their products for reusability and also for doing social work. This proposed system will help people to donate things/product

1. Goals of the project

* The main objective of this project is building a website which will help people from society to donate their things/products directly to NGOs by sitting at home.
* People will get list of NGOs with brief information that they can donate their products/or things to NGOs as per their convenience.
* Along with this, our site provide information about blood camps, all updates about camp.
* Food service to needy people where people or hotels can contact NGOs via our site.
* And will also provide medicinal equipment.

**2**.**.Business Requirements Overview**

* Online donation platform is the public web application.
* Online donation platform will be opened to the global, but in the phase 1, the main target is in the India.
* There are mainly two types of user. One is the Donor and other is NGO.
* Donors can update information for the products they want to donate.
* NGOs can search for the products available on the web site and even the brief information about the product/things.
* Online donation platform provides the functions which connect the Donor and the NGOs efficiently.
* Online donation platform could be maintained by Administrator.

**3.Functional Requirements Overview**

Online donation platform consists of four modules described as below.

* Donor Module
* NGO Module
* Admin Module

3.1 Donor Module

* Donor can register and create his own account.
* Online donation platform provides the function which allows donar to publish his products

3.2 NGO Module

* NGOs can register and create his own account.
* Online donation platform provides the function which allows NGOs user to find out the thing’s/product’s information.

3.3 Admin Module

* Online donation platform should provide all function how to handle the System as an admin.
* What are the donors and NGOs are using this system and are they authorized.
* Could able to know all the Database.

**4. Non-functional Requirements**

**4.1 Performance Requirements:**

To provide the good interface so Admin can easily get the information about the Donors who want to donate and Receivers who want to receive products ,so that website become user-friendly is beneficial to all. System should store the all-database record of Donors, Receivers And Product to tracking their information. System always connected to the server. Here are some examples of poor performance requirements to avoid:

4.1.1 **Unquantifiable:** Must work faster or must have good performance

4.1.2 **Ambiguous:** The application should load within an adequate timeframe.

4.1.3 **Unrealistic:** The application should load with in a seconds at all times.

4.1.4 **Unverifiable:** Flexible, easy, sufficient, safe, ad hoc, adequate, user-friendly, usable, when required, if required, appropriate, fast, portable, lightweight, small, large, maximize, minimize, robust, quickly, easily, clearly, you get the idea.

**4.2 Safety Requirements:**

4.2.1 Website should keep as user-friendly.

4.2.2 Check the employee details.

* Secure your computer.

4.2.4 Back up our files.

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**4.3 Security Requirements**

4.3.1 The functional describes the security aspect of software requirements.

4.3.2 All the passwords of Admin, Donor and Receiver should be protected for privacy whatever constraints provides.

4.3.3 Only Admin have rights to access the data.

4.3.4 Avoid passing along private information online.

4.3.5 The database should be safe from hacker and any cyber-attack. Also, interface should be keep protected.

**4.4 Software Quality Attributes:**

The system should available easily to user that means system should run on various operating system and also hardware. The system not be complicated to user.

**Accessibility:**

The website will be accessible to Admin ,Donor and Receiver so Donor can view request of Receiver . The Admin will give approval to Donate things to Receiver.

**Compatibility:**

The website will be tested for working with multiple user because at same time there are three people get logged in searching the information. So system have robust.

**Effectiveness:**

The Website will good for handled it. there is no complex data to user get confused.

Software should be effective.

**Maintainability:**

Maintainability of a software system is the ease with which the system can be maintained. If the Mean Time between Failures (MTBF) is low or Mean Time to Repair (MTTR) is high for the system being developed, then the maintainability of the system is considered low.

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