**Software Requirements Specifications**

***LIFE QUEST***

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**INTRODUCTION**

The "LIFE QUEST" Android project for has been initialized for blood bank uniform automation of daily manual activity. It is a Mobile blood bank mobile device based project. Mobile is a portable device ,it can move easily from one place to another place easily. So Mobile is the best choice for communication .The Life quest is a free saver application. The Main aim of the project was record the details and controls the distribution of blood in various parts of the states. It enables monitoring of the results and the performance of the blood donation activity such that the relevant and measurable objectives of the organization can be checked. This is not a blood bank: this application stores only the data of the donors .It stores only the data of donor's name, location ,contact number, blood group etc. so when blood needed the system search for the perfect donor, This system reduce complexity for find a donor from a huge database .

* 1. **PURPOSE**

The purpose of our project named “LIFE QUEST” is to create an online app. Blood Bank management system helps the people who are in need of a blood by giving them all details of blood group availability or regarding the donors with the same blood group. Our website work 24x7 so user can get information of blood donor any time. Blood donor can also get registered and save life of other person. When blood is need in the operation then people have very less time to get the blood available so if he get the information like who can give him blood in time in his city is life saving.

**3.PROJECT SCOPE**

The Project Entitled **"LIFE QUEST**" computerizes all the manual activities in the existing site. As the technology grows we must adopt the advantages of the technologies to our organization. All the information about the donors and user can be recorded. All the information about the blood is available through the system. Details about each user are kept in the database of the online system. The main functionalities to quick access to donor records collected from various parts of the State. if the receiver wants the blood they can search the blood according to the blood group and location.

The project helped to analyze and design a Web-based site. These organizations have their own objectives and these are often conflicting. With the developed system these different functions can be integrated together. With ***"LIFE QUEST"*** We can add, view, update, and delete the details.

Making enhancement is all about perfect maintenance. it means adding necessary to keep up with the changing user names and operational environment .It consist of

* Provides high security to system and hence unauthorized user can be prevented.
* Time takes for over all process is reduced.
* Forms are very user friendly.
* Faster.
* Timely and accurate information are available.
* Changes of errors are low.

**4.OBJECTIVE OF THE PROJECT**

The life Quest android project is a life saver application .The main aim of the project was record the detail and control the distribution of blood in various parts of the states. It enables monitoring of the results and performance of blood donation activity such that, relevant and measurable objectives of the organization can be checked. The project helps to register all the donors , blood donor details e.t.c...

**5.System Study**

**a. EXISTING SYSTEM**

In the existing blood bank app if some one need the blood ,then either the person have to go the blood bank nearby to him or else have to buy the blood from the hospital but in case, if both the place don't have the blood of the require group than finding blood of that group might be a tough task at the required time

In existing blood bank android project system wastage of time is done more and still there will be chances that you won't get blood at the require time. In existing system all this data is managed through manual process which is time taken and is efficient process and retrieving old records is not easy. If the existing system the implementations not efficient in order to solve this problem we can store data in data base and data can be viewed on web

**b. PROPOSED SYSTEM**

The proposed system allow the user to save time. It has user friendly interface. It connects to database so we use types of queries data report . It formats data and the data's are easily approachable. The proposed blood bank project system will help the needy person access to all donors of the blood of the particular group, nearby to their place group, contact number and address

The proposed system of blood bank will reduce time and effort for finding the right choice of the donor for the needy receiver and thus most of the times helps the person to save his or her life also.

**6.FUNCTIONAL SPECIFICATION**

A functional specification is used to describe in detail for software developers product's intended capabilities, appearance, and interactions with users. The main highlight of this blood bank application is that it provides an effective and dedicated system for blood donation for Saintgits institution.

Students of Saintgits can sign up for the application and can donate as well as receive blood if needed be. There's an region wise blood group search criteria. Those in need can search for the group and view the available donors. The donors can be contacted either through their personal details provided or through the application itself. Additional features such as previous request histories, enquiry at the authorities are provided

**7.USER CHARACTERISTICS**

The user characteristics explains the functional features of the user along with the interface details, design constraints and related considerations such as performance characteristics.

By making use of the region wise search criteria for blood group, the user can learn about the availability of the required blood group and also the details of the donor. He/she can contact the donor in person either through the details provided or directly through the application. The same user can donate blood if he/she is interested in doing so. A database for the donors is maintained. It is so effective, user friendly and functionally reliable so that the user of the system will not be facing any problem in running the system. Also the software does not affect other software on the system where the project runs.

**8.HARDWARE SPECIFICATIONS**

**DEVELOPMENT STATION**

* Intel Pentium processor based windows pc
* Processor Speed : 250MHz to 833 MHz
* RAM : 4Gb minimum or higher
* Memory : 100GB

**9.SOFTWARE SPECIFICATIONS**

* Front end : Android
* Back end : MYSQL
* Platform : Windows 7,8,10
* Browser : Mozilla,Opera,Google
* Software: Android Studio
* Processor : i3