**Blood Bank Management System Project Proposal** T.Nilasini

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**Introduction**

The Project is to build a blood donation notification application in android. Day to day there are many blood donations happening all over the world to save many lives. The main problem in blood donation is in finding the blood donors within a short period of time during an emergency. Currently there are no proper solution for this problem. Although there are some blood donor applications in android market already, none of them solve this problem completely. So that this application will be a better solution for this problem

**Project Description**

Blood donors can register to this application, by giving necessary details(Name, age, address, blood group, medical details). The details will be saved. Each blood donor will be assigned with a unique user number. Whenever a blood donor is needed, hospitals can request for the blood donors of a particular blood group through this application. This application will notify to the blood donors who are nearby to the hospital. Only the blood donors with the specified blood group will receive the notification. When the notifications reaches, blood donors can go to the particular hospital and donate the blood.

In Sri Lanka, many typical users of smart phones do not stay connected to internet all the time because the Wi-Fi facilities are not well established in Sri Lanka and the mobile data charges are somewhat higher than the developed countries in the world. In order to avoid the unnecessary delays in communications with the blood donors due to the inconsistent internet connectivity, I have decided to include following functionalities. I have planned to design the application such that to send the notifications through text messages as well as through the internet. To find the nearby users I have planned to use GPS as well as the address information collected from the blood donors during the registration process because the GPS will not work if the blood donor is not connected to the internet at the particular situation.

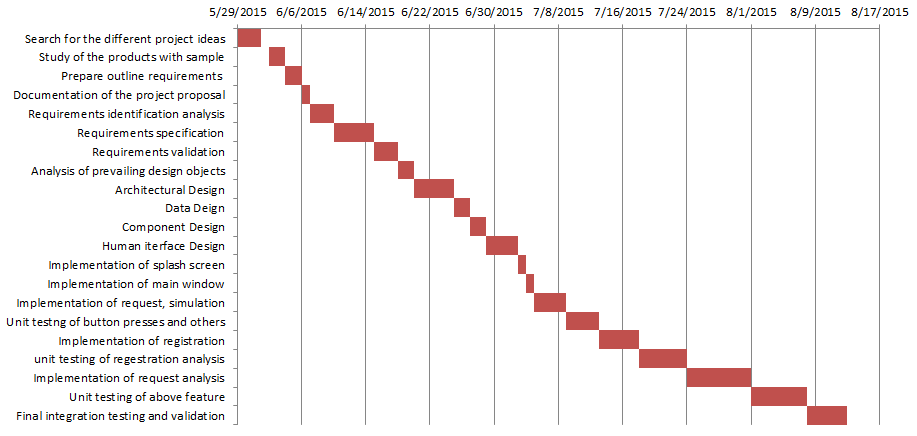
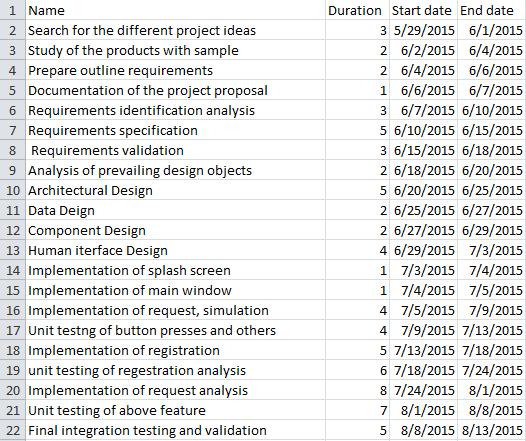
**Project Objectives**

The objective of the project is to

* Design and implement the blood donation management system
* Allow Blood donors to register to this application, by giving necessary details
* Allow hospitals to request for the blood donors of a particular blood group through this application
* Notify to the blood donors who are nearby to the hospital( Only the blood donors with the specified blood group will receive the notification).

**Deliverables**

This is a mobile application. A GUI created using eclipse IDE in java.

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