PROJECT PLAN

FOR

BLOOD BANK MANAGEMENT SYSTEM

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1. PROBLEM STATEMENT

The Blood Bank website that is to be developed will act as an interface between the donor, recipient and the blood camp.

The project will encourage and spread awareness among the users on the benefits of donating blood to the community and the welfare of those who are in need.

1. PROJECT OBJECTIVES

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| 1. | This project will contain a blood management system to manage the availability of blood at the blood bank. |
| 2. | The website will be a medium of communication between the donor and the recipient and will help in distribution of blood as per need. |
| 3. | Quick and timely access to the donor records will enable in matching the donors according to their required criteria. |
| 4. | Will enable in easier retrieval and management of the donor records. |
| 5. | Blood bank will help in sensitizing and monetizing of the donors |
| 6. | Checking the periodicity of the donors and monitoring their blood quality |
| 7. | Organizing blood camps regularly and encouraging people to donate blood for those in need. |
| 8. | The advertisement will give regular updates about the blood camps being organized in the city which will draw the attention of registered and new donors |
| 9. | The website will maintain record of inspection of the medical equipment. |
| 10. | The website will provide the administrator with the rights to maintain the monetary accounts of the blood bank. |
| 11. | The website will provide periodical statistical reports about the blood bank. |
| 12. | The administrator will be able to have administrative access over the whole functioning of the website. |

3.FEASIBILITY STUDY:

The Blood Bank website is a new, self-contained product which will especially enable the people who have less awareness about the availability of their blood groups. This project will provide facts, updates and general information on the organization of blood camps, donation centers and will provide the required data by integrating databases of various blood banks.

The project will encourage and spread awareness among the users on the benefits of donating blood to the community and the welfare of those who are in need. The application will provide its registered users in maintaining a proper diet and balancing their lifestyle to lead a healthy life.

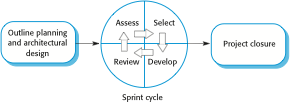
This project will be applicable for Blood banks who are working in a similar fashion and do their work online and have necessary facilities like servers and trained employees for accessing the website efficiently.

4.PROCESS MODEL

We have used AGILE MODEL for this project.

Under this we have used the Scrum approach which manages iterative development.

* 1. outline planning phase where we establish the general objectives for the project and design the software architecture.
  2. Then we plan a series of sprint cycles. Here each cycle develops an increment of the system.



We have used this project as the component design and requirements changes along with the development of the application. Also there is not many risks involved with the project. As a result of which no risk assessment is really required. Hence , this model is appropriate for this project.

5.DELIVERABLES

## 

**User Interfaces**

* The system will provide GUI for the users.
* The donors/recipients will be able to access the system using their web browsers.

**Hardware Interfaces**

* The system will have an interface with the printer.
* The system will be Intel based.
* The system will have a barcode reader to monetize the medical equipment.
* The system will have a database storage management system to maintain all the data under a unified schema which can be easily be retrieved by the server.

**Software Interfaces**

* The system should consists of a web browser to communicate with the server.
* The system will have an interface for the verification of the details uploaded by the user.
* The system will have an interface to update the track records of all the amount of blood being donated and received by the patients.

## Hardware requirements

1. Disk Space: 50 GB
2. RAM: 512 MB
3. Processor: Pentium IV or above
4. Operating System: Windows XP or above
5. Video Card: Preferable

## Software requirements

1. Web Browser: Mozilla Firefox / Chrome
2. Tools: Microsoft Visio 2013, Pencil, Microsoft Word
3. Plugin: Flash Player

6.PROJECT SCHEDULING

1. GANTT CHART :



1. PERT CHART :

