

# Online Blood Bank System(OBBS)

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**Abstract** - The project consists of a central repository containing various blood deposits available along with associated details. The details include blood type, storage area and date of storage. The following details help in maintaining and monitoring the blood deposits. The project is an online system that allows to check whether required blood deposits of a particular group are available in the blood bank. Moreover the system also has added features such as patient name and contacts, blood booking and even need for certain blood group is posted on the website to find available donors for a blood emergency. This online system is developed on .net platform and supported by a Sql database to store blood and user specific details.

**Key Words:** Online Portal, Interface, Request, Register, Customer Interface.

## 1. INTRODUCTION

The “Online Blood Bank System” is an online blood bank management system that helps in managing various blood bank operations effectively. This is a web application allows you to access the whole information about blood bank management software, readily scalable and adaptable to meet the complex need of blood banks who are facilitator for the Healthcare Sector, it also supports all functionalities of Blood Bank. The project consists of a central repository containing various blood deposits available along with associated details.

## 2. Existing system

Problem with current scenario is:

- It is time consuming.
- It leads to error prone results.
- It consumes lot of man power to better results.
- It lacks of data security.
- Retrieval of data takes lot of time.
- Percentage of accuracy is less.
- Reports take time to produce.

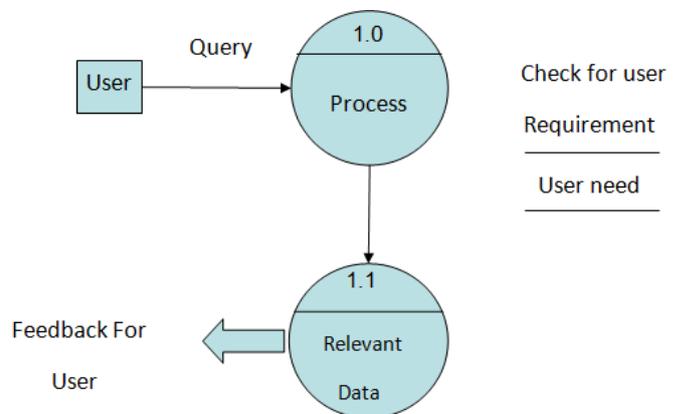
## 3. Proposed System

Considering the anomalies in the existing system computerization of the whole activity is being suggested after initial analysis. The “Online Blood Bank System” is an online blood bank management system that helps in managing various blood bank operations effectively. This is a web application allows you to access the whole information about blood bank management software, readily scalable

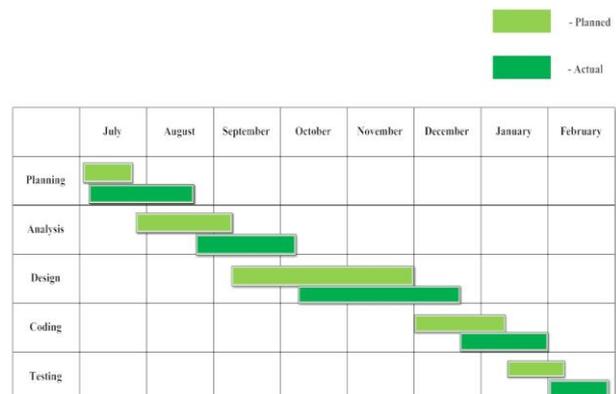
and adaptable to meet the complex need of blood banks who are facilitator for the Healthcare Sector, it also supports all functionalities of Blood Bank.

## 2. 1 Data Flow Diagram

A data flow diagram is graphical tool used to describe and analyze movement of data through a system. These are the central tool and the basis from which the other components are developed. The transformation of data from input to output, through processed, may be described logically and independently of physical components associated with the system. These are known as the logical data flow diagrams. The physical data flow diagrams show the actual implements and movement of data between people, departments and workstations. A full description of a system actually consists of a set of data flow diagrams. Using two familiar notations Yourdon, Gane and Sarson notation develops the data flow diagrams. Each component in a DFD is labeled with a descriptive name. Process is further identified with a number that will be used.



## 2.2 Gantt Chart



### 3. Technical Feasibility

In this step, we verify whether the proposed systems are technically feasible or not. i.e., all the technologies required to develop the system are available readily or not. Technical Feasibility determines whether the organization has the technology and skills necessary to carry out the project and how this should be obtained. The system can be feasible because of the following grounds: All necessary technology exists to develop the system. This system is too flexible and it can be expanded further. This system can give guarantees of accuracy, ease of use, reliability and the data security. This system can give instant response to inquire. Our project is technically feasible because, all the technology needed for our project is readily available.

### 4. Application is:

1. Easy Accessibility: Records can be easily accessed and store and other information respectively.
2. User Friendly: The Application will be giving a very user friendly approach for all user
3. Efficient and reliable: Maintaining the all secured and database on the server which will be accessible according the user requirement without any maintenance cost will be a very efficient as compared to storing all the customer data on the spreadsheet or in physically in the record books.
4. Easy maintenance: "Online Blood Bank System" is design as easy way. So maintenance is also easy.

#### 4.1 Advantages

- Customers can get all blood donation information in this system instead of going and searching around for it.
- The system provides immediate details of blood available in the bank.
- The system is very useful as it immediately provides user about the availability of blood.
- The system also contains donor's details and information so that users don't have problem in searching for them.
- The system is very effective during emergency conditions.
- It saves their time and efforts.

### CONCLUSIONS

Users can navigate the current location without GPS system on ANDROID Platform .Users can navigate the current location without GPS system on GSM platform. Users can tracking the location of another users. Users can maintain the restriction and monitoring unlisted members. Bridge the gap between current user's location and nearest blood bank. The project described here has a lot of benefits.

It is a network enabled project. The data is entered data via simple forms. The user can check the data he has already send. Moreover the user offers transparency and accuracy.

### ACKNOWLEDGEMENT

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