

# **Blood Bank**

A Synopsis On  
“Blood Bank Management  
System”

**Bachelor of Computer Applications**



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# CURRENT SYSTEM AND LIMITATION

## Current System

The Patliputra Blood Bank uses Blood Bank application for office automation. It is used to do all the office work computerized. The current system is graphical user interface. It does not support much functionality. It is partial automated system.

## Limitations of the Current System

- ❖ Attendance is taken manually.
- ❖ It needs upgradation
- ❖ The System encapsulates polymorphism.
- ❖ The projects works in a structured model using procedures and functions.

# PROPOSED SYSTEM

- The proposed system is entitled 'Blood Bank'. It is developed using Microsoft Visual Basic 6.0 as the front end and Microsoft Access as the back end
- The basic purpose of the system is to accommodate and maintain the records of Donor, accounts and Staff details.
- Only VB (Runtime version) and Oracle (client configuration) needs to be installed in the required center machine. Currently the records are stored manually as the user accustomed to Windows environment, VB as the front end provides user-friendly environment making it more convenient and easy to use
- As the required hardware for the proposed system is already present with the organization, we need to install only specific software's which will support the working of the proposed system.
- The new system covers all the aspects of the existing system as well as enhanced features for the existing system For e.g. Bill provision etc.
- The new system is been developed keeping in mind the current and future requirements of the organization.
- The new system will operate feasibly and will contain an automated database for storage.

## **Expected benefits of prepared System**

- ❖ The administrator has the option to add, modify or delete any records from the system.
- ❖ He has the authority to changes the rights of the user.
- ❖ Reliable to user.
- ❖ Less time consuming.
- ❖ Very user friendly.

# SCOPE OF PROPOSED SYSTEM

## Scope and Boundaries

The system will provide the user the option to look at the details of the existing Donor List, Blood Group and to add a new Donor. It also allows the user to modify the record. The administrator can alter all the system data.

## Business Event

- ❖ The system will demand for right user id and password for authentication.
- ❖ The administrator is assigned to create, update and delete the record and information about system.
- ❖ The administrator can change the password of the system.
- ❖ The normal user is given the rights as per his/her role.  
Normal user cannot edit or delete any records

## Input for each Business event

- ❖ User id and password distinguished the states of the user.
- ❖ The right of the user can be changed by the administrator whenever necessary.

### **Software Requirement**

Operating System	Windows 98,Xp
Front End	Microsoft Visual Basic 6.0
Back end	Microsoft Access

### **Hardware Requirement**

Processor	Pentium III ,933 MHz
RAM	256 MB
Hard Disk	20GB HDD
Accessories	CPU, Keyboard ,Mouse, Printer

### **Security**

An unauthorized user of the application is not allowed to enter in to the system.