

BLOOD BANK MANAGEMENT SYSTEM

AUTHOR: Mrs. C. MERCY PRABA, MCA., M.Phil.

ASSISTANT PROFESSOR

DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATIONS

Dr. N. G. P ARTS AND SCIENCE COLLEGE, COIMBATORE-48

CO-AUTHOR: ROHITHSURYA V

DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATIONS

Dr. N. G. P ARTS AND SCIENCE COLLEGE, COIMBATORE-48

ABSTRACT:

The **BLOOD BANK MANAGEMENT SYSTEM** is great project. this project is designed for successful completion of project on blood bank management system. the basic building improvident blood donation service to the city recently. Blood Bank Management System (BBMS) is a browser-based system that is designed to store, process, retrieve and analyses information-concerned with the administrative and inventory management within a blood bank.

This project-aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and help them manage in a better way. Aim is to provide-transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of blood bank management effective. The Blood bank system project report contain information related to blood like

- Blood type
- Date of Donation of blood
- validity of Blood s
- Available Blood group

OVERVIEW OF THE PROJECT

Provide an overview of the project, highlighting the importance of efficient blood bank management in health care. Describe the purpose of the BBMS, which is to automate and streamline the various processes involved in blood donation, processing, storage, and distribute

Blood Camp Management and Reporting

- Provides recording of details of camp beginning from allocation of staff, details of facilities available in the camp venue.

- Provides assigning of donor to a particular camp and generate camp organizer report

Donor Management

- The system allows automatic component data generation based on the component selected in the blood donor form.
- The system allows bulk update for serology for blood units. Serology result for many donors can be updated at once.
- The system allows for either component creation before serology test or vicegerent serology test, the component created are updated automatically
- All donor related reports are excelled down loadable

Donor Test Results Management and Adverse Reaction Data Management

- Provides filterable selections for donor selections
- Excel down load of all reports
- The reports are highly configurable and can be configured to display data as per institution requirements.

SYSTEM REQUIREMENTS**INTRODUCTION**

The Blood Bank Management System (BBMS) represents a pivotal advancement in health care infrastructure, specifically addressing the critical need for efficient blood resource management. This comprehensive software solution serves as the cornerstone for the seamless orchestration of blood collection, processing, storage, and distribution processes within blood banks and health care facilities.

SOFTWARE REQUIREMENTS**Software Requirements:**

- Operating System: Windows / Linux any one
- Programming language: PHP
- Web-Technology: Open Source
- Front-End: HTML, CSS
- Back-End: MySQL, PHP
- Web Server: Apache

Hardware Requirements:

- Pentium-IV(Processor)
- 256 MB Ram
- 512 KB Cache Memory
- Hard disk 10 GB
- Microsoft Compatible 101 or more Key Board

SYSTEM DESIGN**EXISTING SYSTEM**

Existing System Details and Problems

- Cannot Upload and Download the latest updates.
- No use of Web Services and Remoteing.
- Risk of mismanagement and of data when the project is under development.
- Less Security.
- No proper coordination between different Applications and Users.
- Fewer Users – Friendly

DISADVANTAGES

1. User friendliness is provided in the application with various controls.
2. The system makes the overall project management much easier and flexible.
3. Readily upload the latest updates, allows user to download the alerts by clicking the URL.
4. There is no risk of data mismanagement at any level while the project development is under process.
5. It provides high level of security with different level of authentication

PROPOSED SYSTEM

To debug the existing system, remove procedures those cause data redundancy, make navigational sequence proper.
To provide information about audits on different level and also to reflect the current work status depending on organization/auditor or date.

To build strong password mechanism.

Advantages:

- User friendliness is provided in the application with various controls.
- The system makes the overall project management much easier and flexible.
- Readily upload the latest updates, allows user to download the alerts by clicking the url.

- It provides high level of security with different level of authentication

Conclusion

The conclusion of a Bloody Bank Management System project could summarize the key findings, successes, challenges, and future recommendations. It might touch upon the effectiveness of the system in managing banking operations, such as account management, transaction processing, and customer service. Additionally, it could discuss any improvements made during the development process and suggest potential areas for further enhancement or expansion. Overall, the conclusion should provide a comprehensive overview of the project's outcomes and implications for the banking sector. However, it is crucial to continuously evaluate and update the system to address emerging needs and technological advancements in order to maintain its effectiveness in meeting the demands of blood transfusion services.