**Blood bank management system**

**1.Introduction**

The importance of Blood Bank is increasing day by day. Thousands of patients are dependent on Blood Bank for survival for regular dialysis. This project is an attempt to make easy management of blood donors & people who need blood of particular blood group. If we can make it an online computerized and a mobile alert process it will be so fast and convenient for the patients. Far from upsetting matters, however, new technologies have predominantly made life better and considerably easier for most people, and so it must be concluded that they should be welcomed.

**2. Agenda:**

* A lot of manual work which is time consuming and tedious can be reduced.
* Helps to maintain records for each ne
* Reduce paper work and extra cost.
* Data redundancy can be avoided.
* Data security.
* Information retrieval is faster.
* User friendliness.
* Flexibility.
* The number of registers can be reduced.
* The new system provides data consistency and integrity so that data at any time represent the current status.
* The system should provide better security and control over data.

**3. Developer Details:**

My name is Snehal Arun Yadav, graduated in 2020 as a Computer Engineer from New Horizon Institute of Technology and Management, Thane.

This project is a practical implementation of some of the languages and technologies which I have been learning, such as HTML, CSS, JavaScript, JSP, JAVA and JDBC.

I have also developed various other projects in HTML, CSS, JavaScript as well as Java which are also very much useful in our day-to-day life.

**4. Procedure:**

Requirements:

* Operating system: -

Windows 2004/10/64-bit OS, x64-based processor

* Front-end: -

Html, CSS, JSP, JavaScript

Eclipse-Java EE

* Back-end: -

MySQL, TOMCAT SERVER

At the very first page of the website, we can see the form for blood request, by providing their details.

Then after clicking on admin tab, User will see the admin login page.

After providing valid credentials user can add new blood donor, edit donor details or can delete donor.

Admin can check which blood requests are pending.

Admin can check the Available Blood Stock.

Admin can check which blood requests are completed

The Blood Donor can register into the site by providing his details

**6. Conclusion:**

The Blood Bank System is developed using Java and SQL fully meets the objectives of the system for which it has been developed. The system is operated at a high level of efficiency and all the patients and blood donors can understand the system easily. The system solves the problem. It was intended to solve as requirement specification.