

EASY BLOOD

The software system is an online blood management system that helps in providing contact details of matching blood donor nearest to the person in need, to make blood accessible to him safely and immediately from a reliable source.

This is an **In-campus** project for students where we ask the person in need of blood to fill out the following details:

- Name
- Blood group
- Department
- Undergraduate year
- Hostel number
- **Preferences** --> containing the following options,
 - Class friends in hostel
 - Class associates
 - Hostel mates
 - Anyone with matching blood group

Then we compare the entered data with a college student's database containing the details of all students in college like name, blood group, contact number, department, year, hostel number, etc.

First of all we find the students with matching blood group and then

According to the preference we further classify the students based on their year department and hostel number.

Then we give user the contact details of the matching students.

The Moto here is to provide the user the best possible match in his/her campus and make blood available to him safely and securely.

Features:

- **Online Registration/Login:** The users that are in need of blood can register online and find their suitable donors online.
- **Donor registration:** Donors can also register in the system to post their donation information.
- **Blood requirement posting:** Already registered users can also post their requirements need for blood.
- **Blood Finder:** The system finds the blood donor in accordance with the preferences entered and prints the contact details precisely.
- **Blood Donation tips:** General Awareness to the people is very important factor which is been taken care by our website in systematical Manner.

Software Requirements:

- Windows 7/8/10 or Above
- **MySQL, Oracle etc.**
- Visual studio 2010 or Above

Hardware Components:

- Processor – i3 or Above
- Hard Disk – 5 GB or Above
- Memory – 1GB RAM or Above

Advantages:

- Customers can get all blood donation information in this system instead of going and searching around for it.
- 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.
- The additional option of setting preferences gives extra security and optimal Source conformity for User.

Disadvantages:

- The system do not check for the user identity hence he must have to first get himself approved from the administration.
- There is no human interaction.

Applications:

- The system can be used for any blood providing organization/Institution.