**Blood Bank Management System**

**Aim of the Assignment:**

* Browser based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank.
* 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.

**Software Requirements:**

**HTML, CSS, JavaScript, PHP, MYSQL**

**Abstract:**

* This is a web base application and only a registered user can access this application.

Both donors and the receivers should be registered in order to use the application.

* Has function to organise Blood Donation Camp and there is a separate Camp Organiser Management in the system.
* Donor Management - Donor Registration, managing donor database.
* Inventory management in blood bank for storage and issuance of blood.
* Blood requisition and issuance of blood.

If a registered person requires blood, he would have to make a request for the specific blood group and it get issued to him.

* Options for the transfer of blood from one blood bank to another in case of emergency situations.
* Discarding of expired and unsuitable blood .It also keeps a report of discarded blood.
* Being a web based system, can be implemented throughout the state. Separate user accounts can be created for each donors.
* Patient Register/Blood Sample Receiving Register:

It keeps a track of all the patients/receivers who have requested and received blood.

* Donor Register:

It keeps a track of all the donors who have donated blood.

* List of Donors who are eligible for donation on a particular date with contact Number.

**Team members:**

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**References:**

1. JavaScript: The Good Parts by Douglas Crockford
2. <https://www.tutorialspoint.com/mysql/index.htm>
3. Learning PHP, MySQL, JavaScript, CSS & HTML5: A Step-by-Step Guide to Creating Dynamic Websites by Robin Nixon.