Sri Sukhmani Institute of Engineering & Technology

Derabassi

Synopsis for Major project

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Project Title – Blood Donation Web page

Introduction: -

A blood donation is a process whereby a person voluntarily has blood drawn to be used for future transfusions when in need at hospitals for treatment procedures that require them. Donation may be of whole blood (blood drawn directly from the body) or of specific components of the blood; such as red blood cells, white blood cells, plasma, and platelets. Blood banks often participate in the process of collecting blood and other procedures such as managing stocks, approving blood requests and updating donation information.

The system is also developed for the administrators, who are the main authority in the system. Administrators can add, modify, delete, and query any donation 1 information if necessary. The administrator is also responsible for responding to the hospital's blood requests and checking the stocks in the blood bank's inventory.

Objectives: -

The goal of the project is to develop a web application for blood donation to manage information about their donors and blood stock. The main objectives of this website development can be defined as follows:

- To develop a system that provides functions to support donors to view and manage their information conveniently.
- To maintain records of blood donors, blood donation information and blood stocks in a centralized database system.
- To inform donors of their blood result after their donation.
- To support searching, matching and requesting for blood convenient for administrators.

Method: -

1. Project Identification and Selection

In this project, we aimed to develop an online blood donation which will focus mainly on managing the donor's blood information. Anyone who is interested in blood donation can donate the blood at the hospital or blood donation centers.

2. Project Initiation and Planning

To begin the project, we have gather user requirement of this system and prepare the scope and objective.

3. Designing the Proposed System

Based on the analysis phase, we converted E-R diagram into relational database model and created data dictionary and DFD and user interface are designed in this process.

4. Development of the Proposed System

In this phase, we are going to convert the design of proposed system to computer software.

6. Testing the Proposed System

This step is the process of testing whether the programming code will work correctly with the conditions in our system or not. In this phase, we will fix bugs in order to produce a system with maximum performance.

7. Implementing the Proposed System

We wish to launch this system on the internet, so that donors are able to view their blood donation records online and administrators can create, update, delete, and query records conveniently.

- Hardware Required:

Processor	Intel(R) Core i3 1.60GHz
Hard-Disk	40 GB or more
RAM	2 GB or more

- Software Required:

Operating System	Windows
Web Technologies	HTML, CSS, JAVASCRIPT, PHP
Database	MySQL

Cost: -

- Website
- Free domain