# Project Report

On

Blood Donation Management System

Created by

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Under The Guidance of

**PROF. HRASH JOSHI**

**GEETANANJATI COLLEGE COMPUTER SCLENCE & COMMERCE**

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Affiliated to

**SAURASTRA UNIVERSITY**

For Academic Year

2022-2023

Acknowledgement:

The project on BLOOD DONATION MANAGEMENT is developed html, CSS, bootstrap, PHP, JAVA SCRIPT in Language at GEETANJALI COLLEGE OF COMPUTER SCIENCE & COMMERCE. I would like to acknowledge that my project has been completed and I am ensuring that, in this accomplishment, I would like to express my special gratitude to all my teachers and specially to PROF.HRASH JOSHI without their guidance and feedback it is not possible to complete this assignment.

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**INTRODUCTION :**

Abstract :

The main objectives of this project are to maintain information about blood donation and other activities like donor ,request, blood issued . Admin can add donor, patient request.

Purpose :

• Blood is essential to **help patients survive surgeries, cancer treatment, chronic illnesses, and traumatic injuries**.

**Project Profile :**

**Project Title**: Blood Donation Management System

**Software:**  Visual Studio

**Front End Tool:** html, CSS, bootstrap, PHP, JAVA SCRIPT

**Back End Tool**: SQL Server

**Academic Year:** 2022-23

**Developed By:**  SOLANKI CHANDNAI RAMJIBHAI

**Submitted To:** GEETANJALI COLLEGE

**Process Model:**

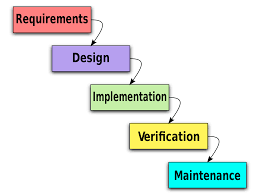
The Process Model used in our projects "College Management System" is waterfall model.

* The Waterfall Model:

The waterfall model is a sequential design process, used in software development processes, in which progress is seen as flowing steadily downwards (like a waterfall) through the phases of Conception, Initiation, Analysis, Design, Testing, Production/Implementation and Maintenance.

The waterfall development model originates in the manufacturing and construction industries: highly structured physical environments in which after-the-fact changes

are prohibitively costly, if not impossible. Since no formal software development methodologies existed at the time, this hardware-oriented model was simply adapted for software development.



* Reason the waterfall model in the software development cycle:

→ Since we have well known, clean and fixed requirements therefore it best suits for our software development.

→ Our product definitions are stable.

→ Technology is clearly understood.

→ The project is short.

* Advantages of the waterfall model:

→ This model is simple and easy to understand and use. In, this model phases are processed and completed one at time and phases do not overlap.

→ Waterfall model works well for smaller projects where sequence is very well understood.

**Software Resources :**

**Frontend Design Tool:** Microsoft Visual Studio 2010

**Backend Design Tool:** Microsoft SQL server

**Code-Behind Language:** html, css, bootstrap

* **Functionality:**
  + 1. **Admin Login/Logout**
    2. **Add ,update, delete donor**
    3. **Add ,update ,delete blood request**
    4. **blood issued manage**
    5. **delete massages**

**List Of Modules:**

* **Dashboard**
* **Donor**
* **Blood Collection**
* **Blood Request**
* **Blood issued**
* **Message**

**Data Dictionary:**

**Admin Login Table:**

|  |  |  |
| --- | --- | --- |
| columns | Datatype | Constraints |
| id | Int(11) | NOT NULL |
| Admin\_name | Varchar(100) | NOT NULL |
| password | Varchar(100) | NOT NULL |

**Donor Details Table:**

|  |  |  |
| --- | --- | --- |
| columns | Datatype | Constraints |
| id | Int(11) | NOT NULL |
| fullname | Varchar(30) | NOT NULL |
| address | Varchar(50) | NOT NULL |
| contact | Varchar(12) | NOT NULL |
| email | Varchar(30) | NOT NULL |
| age | Varchar(5) | NOT NULL |
| gender | Varchar(6) | NOT NULL |
| blood\_type | Varchar(5) | NOT NULL |
| remark | Varchar(10) | NOT NULL |

**Donor Collection table:**

|  |  |  |
| --- | --- | --- |
| columns | Datatype | Constraints |
| donorid | Int(11) | NOT NULL |
| hospital | Varchar(30) | NOT NULL |
| bags | Varchar(50) | NOT NULL |
| date | Varchar(12) | NOT NULL |
| incharge | Varchar(30) | NOT NULL |

**Patient Request table:**

|  |  |  |
| --- | --- | --- |
| columns | Datatype | Constraints |
| Reg\_id | Int(20) | NOT NULL |
| patient\_name | Varchar(30) | NOT NULL |
| date\_request | Varchar(30) | NOT NULL |
| blood\_type | Varchar(10) | NOT NULL |
| bags | Varchar(5) | NOT NULL |
| amount | Varchar(100) | NOT NULL |
| purpose | Varchar(20) | NOT NULL |
| remark | Varchar(10) | NOT NULL |

**Blood Issued table:**

|  |  |  |
| --- | --- | --- |
| columns | Datatype | Constraints |
| id | Int(100) | NOT NULL |
| Issued\_by | Varchar(100) | NOT NULL |
| Issued\_to | Varchar(100) | NOT NULL |
| Date | date | NOT NULL |
| amount | int(50) | NOT NULL |

**User Message table:**

|  |  |  |
| --- | --- | --- |
| columns | Datatype | Constraints |
| id | Int(100) | NOT NULL |
| name | Varchar(100) | NOT NULL |
| contact | Varchar(10) | NOT NULL |
| email | Varchar(5) | NOT NULL |
| message | text | NOT NULL |

**DFD[Data Flow Diagram]:**

Data flow diagram symbol

|  |  |
| --- | --- |
| Symbol | Description |
|  | Data Flow – Data flow are pipelines through the packets of information  flow. |
|  | Process : A Process or task performed by the system. |
|  | Entity : Entity are object of the system. A source or destination data of a  system**.** |
|  | Data Store : A place where data to be stored**.** |

**Use Case Diagram :**

Maintain Dashboard Details

Admin

Show user message

Maintain Blood Issued

Maintain Donor Details

Maintain Donor Collection

Maintain Blood Request

**Snapshots:**

* Loading Screen: