BLOOD BANK MANAGEMENT SYSTEM

Introduction:

The project entitled BLOOD BANK MANAGEMENT is a plot project for the new Blood bank to start soon in the city. The management planned this blood bank to operate on the next month. They have a big plan to collect the blood from many different sources and distribute the same for the needy. To manage all these they require a full fledged software which will take care all these.

BLOOD BANK MANAGEMENT is a software application to maintain day to day transaction in a blood bank. This software help to register all the donors ,blood collection details ,blood issued details etc.

Blood bank management system provides:

* The searching facilities based on various factors. Such as Blood, Blood Bank, Stock.
* The transaction are executed in offline ,hence on-line data for Blood, Donor capture and modification is not possible.
* Blood bank management system tracks all the information of Donor, Blood Cell ,Blood Bank etc.
* Blood bank management system manages the information and description of the Blood ,Blood Group.
* All the fields such as , Blood Group ,Stock are validated and does not take invalid values.
* Blood bank management system generates the report on Blood Group, blood Bank, stock.
* You can easily export PDF for the Blood ,Blood Cell ,Blood Bank.
* Blood bank management system deals with monitoring the information and transaction of Blood Bank.
* Blood bank management system manages the information of blood bank.
* Blood bank management system Performs Editing , adding ,and updating of records is improved which results in proper resource management of the Blood data.

Objectives:

The main objective of this application is to automate the complete operation of the blood bank. They need maintain hundreds of thousands of records . Also searching should be very faster so they can find require details instantly.

LITERATURE REVIEW :

Blood donation literature review provides an overview of studies exploring attitudes of blood donors , non donors and potential donors towards voluntary blood donation in the range of sub-Saharan African settings.

REQUIREMENTS:

Hardware requirements:

Processor : Intel Core Duo 2.0 GHz or more

RAM : 1 GB or More

Hard disk : 80GB or more

Monitor : 15” CRT or LCD monitor

Keyboard : Normal or Multimedia

Mouse : Compatible mouse

Software Requirements:

Front End : Visual Basic 2005 Express edition With SQL Server

Compact Edition Microsoft SDK 2.0

Or

Visual basic 2008 Express edition with SQ

Compact Edition Micro Soft SDK 3.

ER\_DIAGRAM:

1 N

don

Blood

Donor

Donate

N

stored

Register

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Works for

Manages

hospital

order

Employee

Blood bank

Receptionist

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M

1

N

SCHEMA DIAGRAM:

DONOR

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Donor-id | Name | address | Ph-no | age | Sex | Blood-type |

BLOOD

|  |  |  |
| --- | --- | --- |
| Cost | code | Blood-type |

EMPLOYEE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Emp-id | Name | Ph-no | Email-id | Manager-id |

RECEPTIONIST

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Emp-id | Name | address | Ph-no | Donor-id |

BLOOD-BANK

|  |  |  |
| --- | --- | --- |
| Bno | Blood-type | Issue-order |

HOSPITAL

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Bno | Ph-no | address |

METHODOLOGY:

In 2009 the WHO Blood Transfusion Safety programme scoped the guidelines to define the content and assess the topics on which recommendation on blood donor selection were required .It identifies 3 key questions to be addressed.

* What are the components of an effective national system for assessing the suitability of prospective donors to donate blood?
* What are the criteria for the accept deferral of prospective blood donors to avoid blood donation by unsuitable individuals in order to protect the health and safety of recipients of transformation and ensure patient safety?
* What are the criteria for the acceptance or deferral of prospective blood donors to protect donor health and safety while avoiding the unnecessary deferral of suitable donors?

WHO/BTS convened a guideline development group whose members were selected . On the basis of their specialist expertise in haematology, transfusion medicine and blood donor management. The role of the GDG , in conjunction with WHO/BTS , included identification of priority questions and outcomes; retrieval of the evidence ; assessment and synthesis of the evidence ; identification of issues that are controversial of where change of practice is recommended , review of internationally recognized guidelines and current practices worldwide; formulation of recommendations ; preparation of the text ; and planning for the dissemination , and implementation , impact evaluation and updating of the guidelines.

WHO/BTS also established an external review group comprising members of the WHO Expert Advisory Panel on Blood Transfusion medicine and experts from WHO Collaborating Centres in Transfusion Medicine as well as directors of national blood transfusion services and blood programme managers from each WHO region .

The composition of the ERG was designed to ensure a wide range of specialist expertise and experiences from blood transfusion services in all regions at different stages of development. The role of the ERG was to review the draft guidelines and advise WHO on their relevance and applicability in their countries in the context of epidemiology , risk behaviours and activities cultural practices and available blood screening and confirmation testing technologies.

EXPECTED **OUTCOME** OF THE PROJECT:

The primary outcome for this review is mortality. However to better appraise the impact of donor characteristics on outcome ,in the search strategy . Rather , the search strategy will capture any clinical or surrogate outcomes related to donor characteristics. We will not use a limit for year of publication in the review.

References: URL

PROJECT BATCH MEMBERS:

|  |  |  |  |
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