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Blood Bank Management System (BBMS) is a browser based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank. This project 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. Our client is not interested in blood stocking instead we are stocking blood donors information. The donors who are interested in donating blood has to register in the database. There is no storage of blood so no complications in the project. The software is fully integrated with CRM (customer relationship management) as well as CMS (content management system) solution. It is developed in a manner that is easily manageable, time saving and relieving one from manual works. The requirement of the blood has to be requested and we supply the information of the donor.

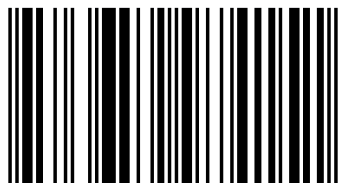


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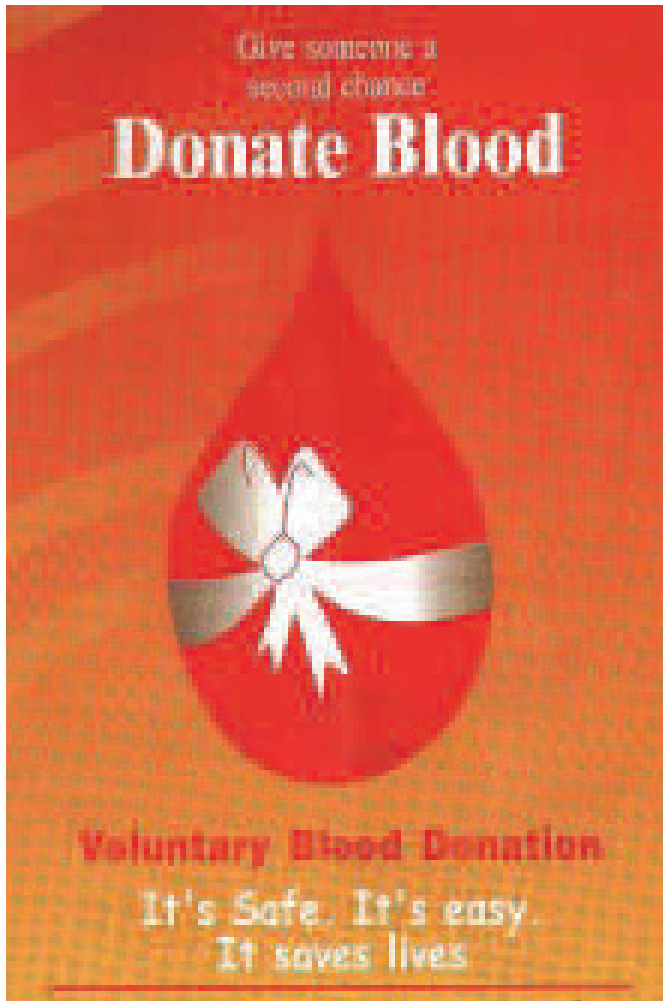
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## Blood donation management systems: recent trends



**Sunil K Joseph, Prem Jose Vazhacharickal\* and Johnson Michael**

Cover image courtesy: Punjab Online Blood Bank Management System

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## List of abbreviations

ASP	: Active server pages
BBMS	: Blood bank management system
CLR	: Common language runtime
CMS	: Content management system
CRM	: Customer relationship management
DB	: Database
DDL	: Data definition language
DFD	: Data flow diagram
DML	: Data manipulation language
GUI	: Graphical user interface
I/O	: Input output
OLEDB	: Object Linking and Embedding, Database
SQL	: Structured query language
VB	: Visual basics

# Blood donation management systems: recent trends

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## Abstract

Blood Bank Management System (BBMS) is a browser based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank. This project 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. Our client is not interested in blood stocking instead we are stocking blood donors information. The donors who are interested in donating blood has to register in the database. There is no storage of blood so no complications in the project. The software is fully integrated with CRM (customer relationship management) as well as CMS (content management system) solution. It is developed in a manner that is easily manageable, time saving and relieving one from manual works. The requirement of the blood has to be requested and we supply the information of the donor. The donors can update their status whether they are available or not.

**Keywords:** Data flow diagram, Databases, Blood donation, Blood bank, C++.