

CS891 Design Lab Project Synopsis

Team Number	19
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Project Title	Blood Bank Management System

Abstract:

Blood bank is a place where blood bags those are collected from blood donation events are stored in one place. The process of managing the blood bags that are received from the blood donation events needs a proper and systematic management. The Blood Bank Management System will complete the need. The Blood Bank Management System shall be a web-based browser system structured to store, process, retrieve and analyze information related to the administrative and inventory management within a blood bank. As currently most of the work is done manually, this web-based management system will help to reduce huge amount of human labor and human error. The technology platform in implementing this system uses J2EE programming environment with Java and JSP, using MySQL for SQL database and HTML5, CSS and JavaScript for web development.

Objective:

Our objective is to create a web-based management system which will help to keep proper track of each and every detail for a blood bank including all activities. And it will also help to reduce human dependency and paper work.

Scope:

Pathology Department is one of the most important and engaging department in a medical organization. No other area of a clinical laboratory got more paper work associated with its individual services than does the Blood Bank. Manual work gives a lot of constraints and also high expenses. This product has high ability to overcome those constraints and give us smooth operation experiences. It can also be extended with others system of the medical organization.

Conclusion:

In this project we have implemented a user-friendly and advanced version of web-based management system through dynamic and effective use of web browsing services. This is to make sure that the management of the blood bank became effective, systematic and meeting user requirements. The final working model will be easy to use and faster way to keep track of everything for a blood bank.