**Online blood bank system**

**Project Abstract**

**Version 1.0**



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# Purpose of this document

This document provides an overview about the business need and the solution that can be provided to fulfil the objective.

# Business Case

For any Healthcare Facility, it is very important to have the real-time updates of the Donors and stock availability and blood requirement. There have been repeated instances of issues reported in managing the donors’, recipients, Hospitals and camp records.

A Solution to track, manage the donors and the related information is critical to address the needs of the patients in any Healthcare facility.

Online blood bank system will bring a relief to most of the healthcare facilities by providing online application which will be easily accessible by any of the Donors, Doctors and Recipients at any time. With this application the Donors, Doctors and Recipients can search for Donors, Blood availability and blood requirement. They can also share their experience of donating blood to motivate Donors.

# Technologies Recommended

|  |  |
| --- | --- |
| Front End | Java (HTML5, CSS3, JavaScript, Angular) |
| Middleware | Java (Spring, Spring MVC, Hibernate MVC , WEB API2) |
| Backend | Oracle/SQL Server |

# Hardware and Software Requirements

|  |  |  |
| --- | --- | --- |
| Technology | Hardware | Software |
| Java | Desktop PC with 8GB RAM | 1. Node.js 10.15.1 2. Angular 5.0 3. Visual Studio Code 1.30 4. Eclipse IDE for Java EE Developers (Oxygen) 5. Maven 3.6.0 6. Tomcat 9 7. MySQL Community Server 8.0 8. MySQL Workbench 8.0.14 9. Putty 10. WinSCP 5.9.4 11. Oracle 11g express version |

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# References

# Change Log