

Integrated Blood Bank System

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Abstract: *This paper presents the design and implementation of an Integrated Blood Bank System that aims to streamline the process of blood donation, management, and emergency requirements. The system allows secure login for both donors and admins, with admins having the ability to add or remove donors from the system. In case of emergency blood requirements, receivers can search for the available blood type and contact the admin through an automated email communication system. The system ensures efficient communication and facilitates prompt availability of blood during critical situations.*

Keywords: Blood Bank, Emergency Blood Search, Admin-Receiver Communication, Blood Donation System, Email Automation

