Blood Bank and Donor Management System using Cloud Computing

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Abstract: *Across the globe, there is an ever-increasing shortage of blood, which has led to many deaths. These losses are mainly due to the lack of a centralized blood donation system. Technologies have enhanced the efficiency and effectiveness of every aspect of the health industry, and information systems manage the distribution of blood through cloud computing. An automated system is needed to superintend the centers and provide information to interested parties. Research methodology involves a exploratory literature review and using aforesaid studies related to the ongoing situation to collect data. Our goal is to eliminate these problems through this website that satisfies all these requirements. The integrated framework includes a database for storing blood donation data in a centralized location for analysis. A database is used in this system to manage and store the data using HTML,PHP, and MySQL. In addition to educating the local community on the importance of blood donation, the website provides easy access to blood donation information, allowing hospitals in India to store and distribute blood. As a conduit between health care systems and the public, the Arogini blood bank management system acts as a liaison. In a short period,the system will enable users to locate donors who have specific blood groups, permit new donors to register, and help patients to request blood.*

Keywords: Internet based application, cloud computing, application programming interface, blood transfusions, non- verified donors

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