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**ABSTRACT**

Blood transfusion safety is a relevant and significant public health issue. Since most blood banks are still in a paper-based system, various disadvantages are experienced by multiple stakeholders, which endanger patients' lives and deter the healthcare system. The researchers aimed to design, develop, and implement an online blood bank management system (OBBMS).

Our work is aimed to develop an online Blood Donation Information System. The entire project has been developed keeping in view the distributed client-server computing technology, in mind. This framework is designed to handle the daily transactions of the blood bank and search the details when required.

***Keywords-*** Product-Oriented Data Input, Rapid Retrieval of Individual Patient Reports.