

## LOCATION BASED ONLINE BLOOD BANK SYSTEM

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### ABSTRACT

Location Based Online Blood Bank System using Global Positioning System and nearest neighbour algorithm used for primary blood transfusion services. The main aim is to provide fast and efficient way to gain attention of potential donors in the need of hour. We are including SMS and email services such that the donors can locate the requires when the request is generated for blood. Online Blood Bank (OBB)System assists in the process of blood donation. It consists of an application which is present on the donor's website which acts as an interface for the users of the system and it also uses database for storing the donor's data, blood bank details and hospital details. If there is need of blood, the donor with the required blood group is identified and notified of the requirement. It includes algorithm which detects accurate location of the donors, identifies the donors who are available nearby to the location of requester and notifies them. By creating an online location based web-portal where blood banks and hospitals can look for donors in their nearby area who will be available in quick time. And also keep record of donor's health report to evaluate quickly.

**KEYWORDS:** Online Blood Bank, Potential Donors



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