

# **ABSTRACT**

## **DONOR-LINK**

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## **PROBLEM STATEMENT:**

We frequently encounter alert messages on social media platforms like WhatsApp, marked with red exclamation marks, concerning an urgent need for blood. However, it is important to note that the current system may require a significant amount of time to identify and provide the exact blood type required by a patient.

## **SOLUTION APPROACH:**

Donor-link is a website that aims to maintain the blood supply to hospitals via blood bank. A donor can register using his/her credentials in the website and thereby be eligible to donate blood through it. Blood banks register using their credibility certificates and can notify the donor in the nearby location to it. Hospitals register using their information and can request for blood to the blood banks. In the request form they are asked to add the patient details for better functioning.

As we can see with the help of this website, we could maintain the blood availability in blood banks thereby helps to reduce tension and chaos at hospitals

## **STAKE HOLDERS:**

The major stakeholders of donor-link website are the web admins along with the blood banks, hospitals, and individual blood donors

Admin: The software developers who maintain the system, and they would be responsible for ensuring the system meets all the functions of other stakeholders.

Donors: Individuals who are willing to donate their blood and who are physically fit to donate blood. They get a notification when the nearest blood bank has a shortage in blood supply.

BloodBank Admins: Usual blood banks we see. They are able to send notifications to nearby donors and also receive request for blood from the hospitals. They can also update the stock of blood using the website. The blood banks are given access only when authentication is done.

Hospitals: Place where people visits when in need of serious medical care. The website would be helpful for them as the request for blood from the hospitals are further passed to nearby blood banks so that blood would become easily available