

## **Abstract**

RaktSetu is a web platform designed to quickly identify the best and nearest location where the required blood type is available, and to allow users or hospitals to offer their blood for donation.

The system allows registered donors and hospitals to list their available blood stock, while recipients can search based on blood type and location. Real-time filtering ensures that the closest and most suitable match is suggested first. This reduces search time and increases the chances of timely medical help.

Built using HTML, CSS, JavaScript, ReactJS, Node.js, Express.js, and SQL/MongoDB, the platform offers a simple, reliable, and scalable way to connect donors, recipients, and hospitals. This project aims to create a unified, location-aware network that saves lives through faster access to critical resources.

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