

## Blood Bank System – Quick Summary for Hospitals & Blood Banks

### Purpose

A platform that helps patients quickly find available blood and helps hospitals manage their blood inventory easily.

### How It Works

- Users select blood type → see hospitals with available units.
- They submit a reservation form with name, phone number, units, and urgency.
- Hospital receives the request; user receives hospital details on WhatsApp.
- Hospital verifies the request and marks it as confirmed or cancelled.

### Hospital / Blood Bank Portal

Hospitals get a secure dashboard where they can:

- Update blood units
- View incoming requests
- Manage reservation status
- See expiry alerts (warning, critical, expired)
- Receive WhatsApp notifications for new requests

### Fraud Prevention

- Users must confirm the request is genuine.
- Optional OTP verification via WhatsApp.
- Hospitals can cancel fake or mistaken requests.

### Key Benefits

- Faster patient-hospital communication
- Reduced blood wastage with expiry tracking
- Centralized inventory management
- Clear request history and easy monitoring