# BLOOD BANK APPLICATION

## INDRODUCTION

In health care services, blood donation is a complex process and consumes time to find some donor who has the compatibility of blood group with the patient. We developed android based blood donation application as blood bank solutions to establish a connection between the requester and donor at anytime and anywhere. The objective of this application is to provide the information about the requested blood and number of available donors around those localities. The purpose of this study was to develop a blood bank application assist in the management of blood donor records and ease/or control the distribution of blood in various parts of the country basing on the hospital demands. Without quick and timely access to donor records, creating market strategies for blood donation, lobbying and sensitization of blood donors becomes very difficult. The blood bank application offers functionalities to quick access to donor records collected from various parts of the country.

## OBJECTIVES

➢ Helps Blood Banks to find blood donor and depository online.
➢ Encourages blood donors to donate
➢ Helps Blood Banks to find blood donor and depository online.

## SOFTWARE AND HARDWARE REQUIREMENTS

### HARDWARE REQUIREMENTS

- Processor : Intel(R) Core(TM) i7-4700MQ CPU @ 2.40GHz  2.40 GHz

- Ram : 8 GB

- Hard disk drive :  1 TB

### SOFTWARE REQUIREMENTS

- Front end : Flutter

- Back end : java, Mysql

## TOOLS

- Visual Code Studio

- Netbeans

# SYSTEM MODULES

### DONOR/USER

- Login
- Register
- Post Donar information
- My donar info
- Search donar details
- Search Blood bank details
- Logout

### HOSPITAL

- Register
- Login
- Post Blood bank info
- Update blood group status
- View Blood bank details
- Logout

# MODULE DESCRIPTION

## Login Module

The main activities in the application are the user login page for user. The other modules are followed by this login page. This module records only user and password of the user.

### Register

The main activities in the application are the user login page for user. The other modules are followed by this login page. This module records only user and password of the user.

### Update details

Admin enter this system and they can post available details.

### View Details

who user can view the update blood availability details.