

## **P1. PROJECT TOPIC AND OBJECTIVES**

### **GROUP 6 : Team Members**

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TOPIC: Blood Bank Management Database System

#### **Background:**

Blood donations drives are hosted in various organizations, universities, etc. The process of managing the blood bag that is received from the blood donation events needs a proper and systematic management. The main purpose of this database is to keep an organize records management of blood inventory. It would be a great help in the properly monitoring of blood available in the blood bank and for easy processing of blood request. Purpose of the database is to have stored information about the Donor, the Recipient, Medical personnel, how much and when the blood was donated, and whenever there was a transaction made between the donor, the medical personnel, and the recipient.

#### **Objectives:**

1. Creating a centralized database system for managing blood banks and the donor data. This data will be available to the blood banks in the state.
2. Database to capture data of the organized blood donation drives and based on donor rich localities to organize donor rich localities.
3. Partner with hospitals to prioritize providing blood, whenever required. This will help in regularly blood assistance to patients in need.
4. Maintain a database of donors. This will help us in keeping a track of their frequency of blood donations and contact them in case of emergency.
5. This centralized database can be accessed by authorized personnel only. We will create a secured system as we will be maintaining sensitive information.
6. Generating a monthly report of quantities of blood donated and collected. This will help required authorities to analyze data and manage blood accordingly.