DataBase Project Title: <u>**BLOOD DONATION MANAGEMENT SYSTEM**</u>

This project is aimed at creating database management system for blood donation center wherein there would be roles of blood donation center employees who dynamically interact with both donors and the recipients. The employees would have an information stored on their system comprising of the blood quantity and its composition that were received from the donors or the blood that were injected into the recipients thus keeping a track of all the necessary information for ease management.

This system would help the employees to keep track and maintain the blood testing equipment's in the center and the blood bags in the preservative vault. This system enables the management to maintain the clean records of the donors, recipients, scanning equipment's, employee's info, blood bags and so on.

This system serves various purposes of the blood donation center mentioned as below:

1. This system enables to maintain the records of the donors and recipients along with their previously maintained health remarks.
2. Enables the center to maintain the information of the donated blood and its unique composition elements of the blood, quantity of the blood and so on.
3. Provides the insight information of the employees working in the center and their designated job roles.
4. This system provides information about the equipment's that are utilized to scan, analyze and process the blood for future usage.
5. This system enables the users to know the highly-demanded blood group and its components.
6. Enables the user to know the cost of each blood type and the contact information of the donor.

Entity-Relationship Diagram (Blood Donation Management System)