Blood And Organ Donation Management System

**DESCRIPTION OF THE PROJECT**

The scarcity and exigency for blood and organs has created many discrepancies in current approaches. These have created the criteria for malpractices such as organ trafficking and black market selling.

This research presents a solution with a secured-smart blood and organ donation web developed system, allowing both patients and healthcare providers to access information about the blood and organ processing records.it is a web application. The database would be accessed by authorized users. System predicts blood demand for the future ten years using Linear Regression Model.This reduces shortages and wastage of blood. Also, using global positioning system and K-Nearest Neighbors Machine Learning algorithm ,the system finds the best matches among donors and seekers according to the nearest location. Further, the system will automatically send questionnaires for registered users to identify and evaluate their awareness and issues about organ donation.

**HARDWARE AND SOFTWARE**

Front end : HTML

Back end : Python,SQL

**PROJECT CURRENT STATUS**

The backend code are almost complete. Need blockchain code. The UI design are completed within the few days. Going to start prediction of blood in future .