Plasma Donor Application

## MENTOR NAME: S. PRAGADESWARAN

**EVALUATOR: VEERABOOPATHY**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**KARPAGAM INSTITUTE OF TECHNOLOGY, COIMBATORE**

**Team ID: PNT2022TMID31865**

TEAM SIZE: 5

TEAM LEADER: MITHUN KUMAR N

TEAM MEMBER: MOHAN PRASATH M

TEAM MEMBER: MOHANPRASANTH S

TEAM MEMBER: BANU PRAKASH M K

TEAM MEMBER: TARUNIKA REDDY D

**ABSTRACT:**

The Plasma Donor application is to create an e-information about the donor and organization that are related to donating the plasma. Through this application any person who is interested in donating the blood can register himself/herself in the same way if any organization wants to register itself with this site that can also register. Moreover, if any general consumer wants to make request blood online, he can also take the help of this site or web app. Admin is the main authority who can do addition, deletion, and modification if required.

This project is aimed to developing an “Online Blood Donation Information”. The entire project has been developed keeping in view of the distributed client server computing technology in mind.

The project has been planned to be having the view of distributed architecture with centralized storage of the database. The application for the storage of the data has been planned using the aim of this project is to provide a user friendly and interactive service via web interface, mobile application and emails. As soon as any updates occur in the blood database these changes are reflected in all the above-mentioned interfaces. So, by this manner this system provides a simple and quicker interaction among various groups connected with the blood bank.

Also, our goal is to develop a web-based system to manage blood requisition within the blood supply chain. The system is designed to overcome the drawbacks of existing system problem. The main objective is to improve the efficiency of data communication within the supply chain to reduce response time for each blood demand request.

We also focused on managing blood inventory at blood bank effectively. The results have shown that the proposed system helps enhancing the communication among blood partners within the supply chain network. The recipient can get blood in emergency case also. We also provide SMS facility to donors so that they can reach to exact location.