



**TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**  
**STUDENT PROJECT PROPOSAL**



**1. Name of Students :**

S.No	Name of the Student	E-Mail ID	Phone No.
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3	Dinesh Kumar.C	dineshkumar.alchemy@gmail.com	99946 83458
4	Kishore Kumar.K	kishore1362002@gmail.com	86085 83693

- 2. Name of the Guide :** Vijayalakshmi.N  
**Designation :** Assistant Professor  
**Institutional Address :** Department of Computer Science & Engineering,  
SNS College of Technology, Coimbatore - 35.  
**Mobile Number :** 8870637872
- 3. Project Title :** Plasma Donor Application
- 4. Sector in which your Project proposal is to be Considered :** Engineering Technology (Computer Science)

**5. Project Details :**

**5.1 INTRODUCTION**

Our human body features countless miracles and capabilities that are sometimes quite complicated, and one of those marvels found in our blood is Plasma. Plasma is considered as one of the vital liquid components of blood which contributes over 55% in total blood volume along with water, salts, enzymes, antibodies and other proteins. Plasma donation is now acknowledged as one of the most pertinent acts that helps save numerous lives. The donated plasma can help patients to break free from their fatal illnesses such as hemophilia, immunological deficiencies, and other blood disorders.

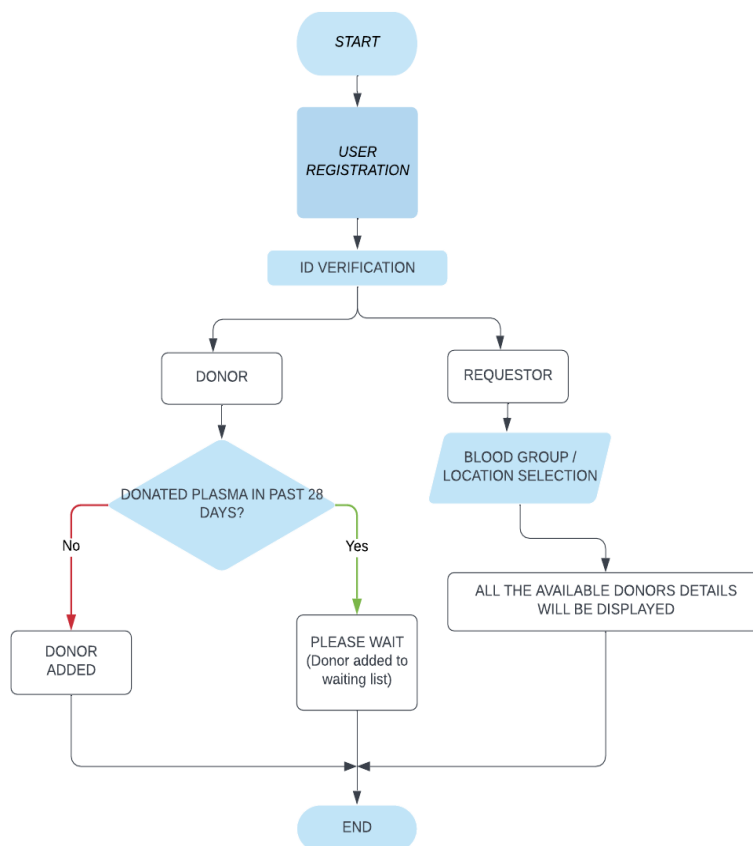
## 5.2 OBJECTIVES

This project's objective is to provide a consistent yet engaging portal that connects plasma requesters and donors, serving as a seamless medium of interaction that is advantageous to both donors and receivers. The request on plasma will be fulfilled by displaying the available donor list yet incase of request on particular blood type the user will be notified by the time of availability.

## 5.3 METHODOLOGY

From the perspective of the donor, there are a few constraints that must be adhered to. In our web application, we took all the necessary limitation before donating plasma into consideration and created the portal appropriately. In addition to needing to be at least 18 years old and weigh at 50 kilogrammes, plasma donors are only permitted to provide one donation per 28 days. This can avoid clutter or confusion among donors and requestors.

The requestors can have access over the donors contact details and have a conversation with them in-call or in-person in a safe and secure manner as we have all the records and entry of users in hand. . The requester might look for the most common blood group i.e, AB, or submit a request for his or her preferred blood group. In some case if the requested blood type plasma donor is not available the application records the request and notifies the user.



## 5.4 WORK PLAN

S.No	Scheduled Task	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Analysis and Survey							
2	Planning & Prototyping							
3	UI/UX Designing							
4	Web App Development							
5	Testing & Deployment							
6	Report Preparation							

## 5.5 BUDGET

S.No	Description	Cost
1	Web Application Hosting	₹ 1000 / year
2	Cloud Service	₹ 5000 / year
3	Other Softwares	₹ 1000
	<b>Total</b>	₹ 7000

## 5.6 OUTCOME

As a result of the web application, the donors can help individuals in need by donating life-saving plasma and requestors can feel free to check the portal for availability. With all the advances in technology and medicine, we clearly have a vision to create a safe and healthy environment.

## CERTIFICATE

This is to certify that Ms.Abhirami.S.S, Ms.Charu Nethra.S, Mr.Dinesh Kumar.C, Mr.Kishore Kumar.K are bonafide final year students of U.G. Engineering of our college and it is also certified that two copies of utilization certificate and final report along with seminar paper will be sent to the Council after completion of the project by the end of April 2023.

Signature of the Guide

Signature of the HOD

Signature of the Principal