

Ideation Phase

Brainstorm & Idea Prioritization

Date	07 October 2022
Team ID	PNT2022TMID12996
Project Name	Project – PLASMA DONOR APPLICATION
Maximum Marks	4 Marks

Team Gathering, Problem Statement identification, Collaboration

PLASMA DONOR APPLICATION

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19I209 - Darshan Sasikumar
19I221 - Gowtham Sriram
19I228 - Kevin Nelson
19I242 - Pranavh Harish

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Problem Statement

Create a Cloud based deployment to facilitate a Plasma Donor Application

PROBLEM

**How might we
Develop a Plasma Donor
Application using the
Cloud?**

Brainstorming, listing ideas, grouping

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Brainstorm

ID matching must be done both offline and online.

Comprehensive FAQ section to help users understand who can donate blood

Darshan

Covid-19 certificate must be uploaded for verification

A chatbot can be created to solve simple queries of user.

Users can filter requests based on location and date.

Using existing medical camps, hospitals and clinics to improve reach

Gowtham

Strict authentication and verification by medical experts

A 24x7 emergency contact should be available in the application (helpdesk)

Donors are notified only from a given radius of hospitals

Reach out to college clubs to improve reach

Women Donors must undergo a HLA test before donation

Donors should have completed an extensive medical screening

Pranavh

Seperate alerts are sent for immediate need of plasma

User and admin can both add requests for plasma donation

Kevin

Contact details to be given to address further queries

Donors must not have any medical ailments at the time of donation

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Group ideas

Authentication / Safety

Donor contact and identity needs to be verified before profile can be listed

Regular undeniable verification needs to be done

Verification required to "authorise" completion of donation from Donor and Patient

Last valid donation made to be displayed publicly

Data involved

Donor: Name, Age, Gender, Birthdate, Blood Group, Contact details

Patient: Name, Age, Birthdate, Blood Group, Contact details

Request: Patient profile, Emergency, Priority, Location

Database of offline verification centres for donors

Application Interface

Landing page - Login or Register as Donor or Patient

Verification to see if donor is a valid candidate

Donor can be verified and enlisted in database, they can also use app to find other donors

Patient can click on donor profile and get contact details

Features

Location Services to identify nearby donors

Updated contact details of Donor

Patient can place a request app-wide specifying their requirements and priority

Donors will receive notification when a matching request has been placed calling to action

Idea prioritization

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Prioritize

