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**Ideation Phase**  
**Brainstorm & Idea Prioritization**

Date	24 September 2022
Team Id	PNT2022TMID45457
Project name	Project-Plasma donor application
Maximum marks	4 marks

**Problem statement**

During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low. Saving the donor information and helping the needy by notifying the current donors list, would be a helping hand. In regard to the problem faced, an application is to be built which would take the donor details, store them and inform them upon a request.

**Abstract**

Plasma Donor Application is a management system that enables individuals who want to donate plasma to help the needy. The system targets three types of users: the public who wants to donate plasma, the patients who need the donated plasma, and the hospitals who that work as an intermediary to manage the communication between the donors and recipients. The main objective for developing the application is to educate the community on the benefits of plasma donation (After donating blood, the body works to replenish the blood loss. This stimulates the production of new blood cells and in turn, helps in maintaining good health) and for easy communication. The System to manage the records of donors and recipients, and encourage voluntary plasma donation, easily accessing any information about type i.e., blood group. This system will allow donor to register their information directly and donate plasma to nearby hospitals, allows patient details registration by patient's family or friends and looking for plasma in nearby hospitals along with availability, and allows hospitals to register their information which can be contacted by donor or patient or other hospitals and they can search nearby donor details themselves. Plasma availability tracking can be easy with this application. The system will have compatible plasma type details for each blood group.

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## Architecture

