

**Ideation phase**  
**Literature survey on the selected project & information gathering**

Team id	PNT2022TMID45457
Project name	Plasma donor application

Plasma is necessary for several treatments and surgeries but still a limited resource. Some researchers extended inventory models and some of them trying to increase volunteer donors.

At Apr 2022, Christopher R France and Janis L France, examined that which may be required to convince individuals to engage in whole blood, plasma, and platelet donations. Anonymous online surveys were completed. Results: Across all types of donations, history of whole blood donation was related to a greater willingness to donate without payment. At the same time, however, sizeable portions of prior donors indicated that monetary payment would convince them to donate whole blood (24%), plasma (51%), or platelets (57%).

At July 2019, various department of *Postgraduate Institute of Medical Education & Research, Chandigarh*, tried CP therapy which involves collecting plasma from an individual who has recently recovered from infection and infusing it into an individual. Such plasma contains several humoral factors capable of providing immunity, but the most important one is believed to be the polyclonal antibodies against the target agent.

In “Android blood bank” by professor Snigdha, Pratiksha Lokhande, Siddhi Kesar and Pranita More. came up with an android app in which updates information about donor’s time to time and also it shows all the blood banks near to user location. In this admin controls and have all information of the

app. In “A study on blood bank management system” by A. Clemen Teena, k. Sankar, S. Kannan. They made a system through which they can manage information about donors and patients. So that whenever blood is needed, they can use this information as blood bank authorized officers have access to this information.