

## Ideation Phase – Literature Survey

Team ID	PNT2022TMID21590
Project Name	Plasma Donor Application

S.NO	RESEARCH PAPER	AUTHORS	YEAR	JOURNAL NAME	INFERENCE
1	COVID-19 Convalescent Plasma	Dima Dandachi, MD	2021	National Library of Medicine	Convalescent plasma is an old treatment for a new disease.
	LINK: <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8029629/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8029629/</a>				

S.NO	RESEARCH PAPER	AUTHORS	YEAR	JOURNAL NAME	INFERENCE
2	Chronic effects of blood and plasma donation	Bryan R. Spencer, Toby L. Simon	July 2022	Wiley Online Library	This paper discusses potential chronic effects associated with blood donation, including those for apheresis donation of platelets and plasma.
	LINK: <a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119719809.ch7">https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119719809.ch7</a>				

S.NO	RESEARCH PAPER	AUTHORS	YEAR	JOURNAL NAME	INFERENCE
3	INSTANT PLASMA DONOR RECIPIENT CONNECTOR WEB APPLICATION	Kalpana Devi Guntoju, Tejaswini Jalli, Sreeja Uppala, Sanjay Malliseti	June-2022	International Research Journal of Modernization in Engineering Technology and Science	Plasma is a liquid portion of blood; it is a mixture of water, proteins, and salts. Antibodies are proteins made by the body in response to an infection
	LINK: <a href="https://www.irjmets.com/uploadedfiles/paper//issue_6_june_2022/26076/final/fin_irjmets1655361213.pdf">https://www.irjmets.com/uploadedfiles/paper//issue_6_june_2022/26076/final/fin_irjmets1655361213.pdf</a>				

S.NO	RESEARCH PAPER	AUTHORS	YEAR	JOURNAL NAME	INFERENCE
4	Operational protocol for donation of anti- COVID-19 convalescent plasma in Italy.	Massimo Franchini, Giuseppe Marano, Claudio Velati, Ilaria Pati, Simonetta Pupella, and Giancarlo Maria Liumbruno	2021 Jan	National Library of Medicine	COVID-19 represents a public health threat worldwide, Unfortunately, no standardized therapy does exist for COVID-19
	LINK: <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7264735/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7264735/</a>				

## **Ideation Phase – Existing Solutions**

### **BLOODR: BLOOD DONOR AND REQUESTER MOBILE APPLICATION**

With rapid increase in the usage of social networks sites across the world, there is also a steady increase in blood donation requests as being noticed in the number of posts on these sites such as Facebook and twitter seeking blood donors. Finding blood donor is a challenging issue in every country.

**Link:** <https://pubmed.ncbi.nlm.nih.gov/29184892/>

### **PLASMA DONATION WEBSITE USING MERN STACK**

The main goal of our project is to make it easier for the COVID-19 patients to get a plasma donor easily as well as donate plasma if they have recovered. The system targets two types of users: the people who want to donate plasma and the people who need plasma. The user can also view the total active cases, nearby vaccine centres, hospitals address.

**Link:** [https://dev.to/nehasoni\\_/plasma-donation-website-using-mern-stack-26f5](https://dev.to/nehasoni_/plasma-donation-website-using-mern-stack-26f5)

### **INSTANT PLASMA DONOR RECIPIENTCONNECTOR WEBAPPLICATION**

The world is suffering from the COVID 19 crisis, and no vaccine has been found yet. But there is another scientific way in which we can help reduce mortality or help people affected by COVID19 by donating plasma from recovered patients. In the absence of an approved antiviral treatment plan for a fatal COVID19 infection, plasma therapy is an experimental approach to treat COVID19-positive patients and help them faster recovery.

**Link:**

[https://www.irjmets.com/uploadedfiles/paper//issue\\_6\\_june\\_2022/26076/final/fin\\_irjmets1655361213.pdf](https://www.irjmets.com/uploadedfiles/paper//issue_6_june_2022/26076/final/fin_irjmets1655361213.pdf)