

## Project Design Phase-I Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID45457
Project Name	Project – Plasma donor application
Maximum Marks	2 Marks

### Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	There is no centralized and transparent way of searching donors and hospital details is major problem to get donors on time
2.	Idea / Solution description	<p>Making necessary information in easily accessible way regarding donors, nearby plasma availability check in Hospitals with easiest way of Communication</p> <pre> graph LR     User((User)) --- Application     subgraph Cluster         Application[Application]         WorkerNode[Worker Node]     end     Application --- CR[Container Registry]     Cluster --- K8s[Kubernetes Cluster]     K8s --- DB2[(DB2)]     K8s --- SendGrid[SendGrid]     DB2 --- DB2_Label[Stores the Users Data]     SendGrid --- SendGrid_Label[Send email alert on a request of plasma] </pre>
3.	Novelty / Uniqueness	Each blood group compatible type of blood group details, City wise availability check.
4.	Social Impact / Customer Satisfaction	When everything is digital now, we can provide same digitalized way of approach. So, they can easily get to know updates
5.	Business Model (Revenue Model)	We can get paid while hospitals registering their details in application and we can provide benefit to donors by conducting special camp.
6.	Scalability of the Solution	Creating mobile app addition to web-based application.