

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID26374
Project Name	Project - Cloud Application for Plasma Donation
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">● Plasma is one of the most entity in human body● In recent times plasma is needed more than ever, as the demand increases there is not enough supply to meet the demand● To create an application to store the information and help the needy by informing the donor list.
2.	Idea / Solution description	<ul style="list-style-type: none">● This is an application that provides real time notification to the donor for the need of plasma● This application also helps in updating and storing information about the donor list.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">● The scalability of this application is rudimentary hence cloud technology is used in making the application● This application caters to the requirement of zero down time functionality by adapting Kubernetes.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">● This helps the patients who need plasma for their ailment.● This application make the lives of donors and hospitals easy by streamlining the communication between them.
5.	Scalability of the Solution	<ul style="list-style-type: none">● This application is hosted in kubernetes, as a result this application has elasticity and zero down time.● The application database also scales up easily in accordance to the requirements of the user● As this application is hosted in cloud, This application has load balancers which regulates the customer requests by default

