Project Design Phase-II Technology
Stack (Architecture & Stack)

Team ID	PNT2022TMID16501
Project Name	Plasma donor application

Table-1 : Components & Technologies:

S.No	Component	Technology
1.	User Interface	HTML, CSS,Python Flask
2.	Chatbot	IBM Watson Assistant
3.	Data maintenance	MySQL
4.	Confirmation Email	SendGrid
5.	Cloud Database	IBM DB2
6.	File Storage	IBM Block Storage
7.	Infrastructure (Server / Cloud)	Kubernetes

Table-2: Application Characteristics:

S.No	Characteristics	Technology
1.	Open-Source Frameworks	Python Flask
2.	Security Implementations	SHA-256, Encryptions, IAM Controls, OWASP ,Kubernetes
3.	Scalable Architecture	Web Server-HTML,CSS Application Server-Python Flask Database Server-IBM DB2
4.	Availability	IBM Load Balancer
5.	Performance	IBM Content Delivery Network