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

Date	16 October 2022
Team ID	PNT2022TMID23106
Project Name	Plasma Donor Application
Maximum Marks	4 Marks

Technical Architecture:

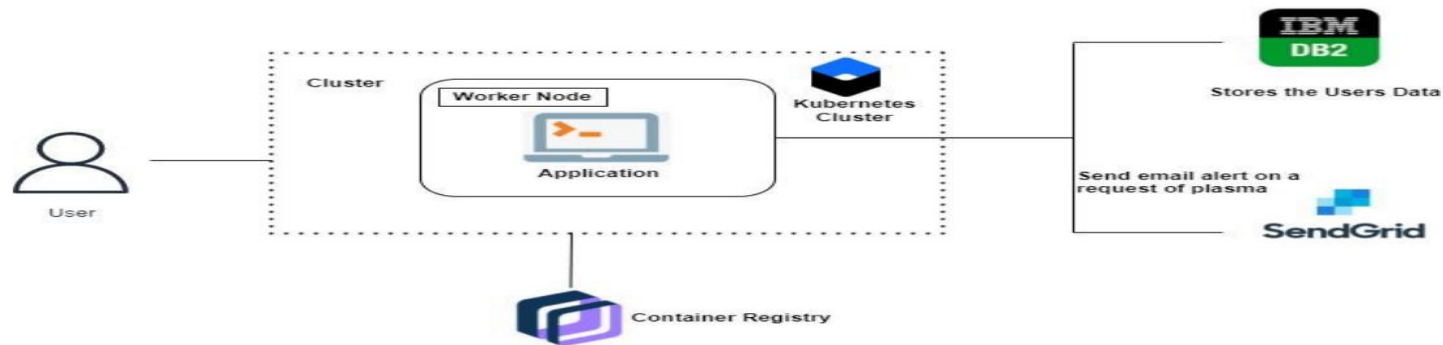The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user can interact with our application with the help of Mobile app,Website.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	The user can login with our application, but he/she should registered earlier in our web app.	Java / Python
3.	Application Logic-2	They can also register with the help of website.	IBM Watson STT service

4.	Cloud Database	The user data will be stored and retrieved with help of this database.	IBM DB2, IBM Cloudant etc.
5.	File Storage	The user documents like photos,records and much more will be stored in cloud bucket,etc..	IBM Block Storage or Other Storage Service or Local Filesystem
6.	External API	With the help of API,the user can search the profile Based on their need.	IBM API, etc.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud.	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description
1.	Is it scalable?	It follows highly scalable technologies that allows application to handle increase in large user data's and workload.
2.	Is it modifyable?	It is highly modifyable and maintenance requires low cost,compared to other application.
3.	Is the System Robust?	It does not disturb the performance of the computer by not affecting the operating system.It works in minimal hardware systems.