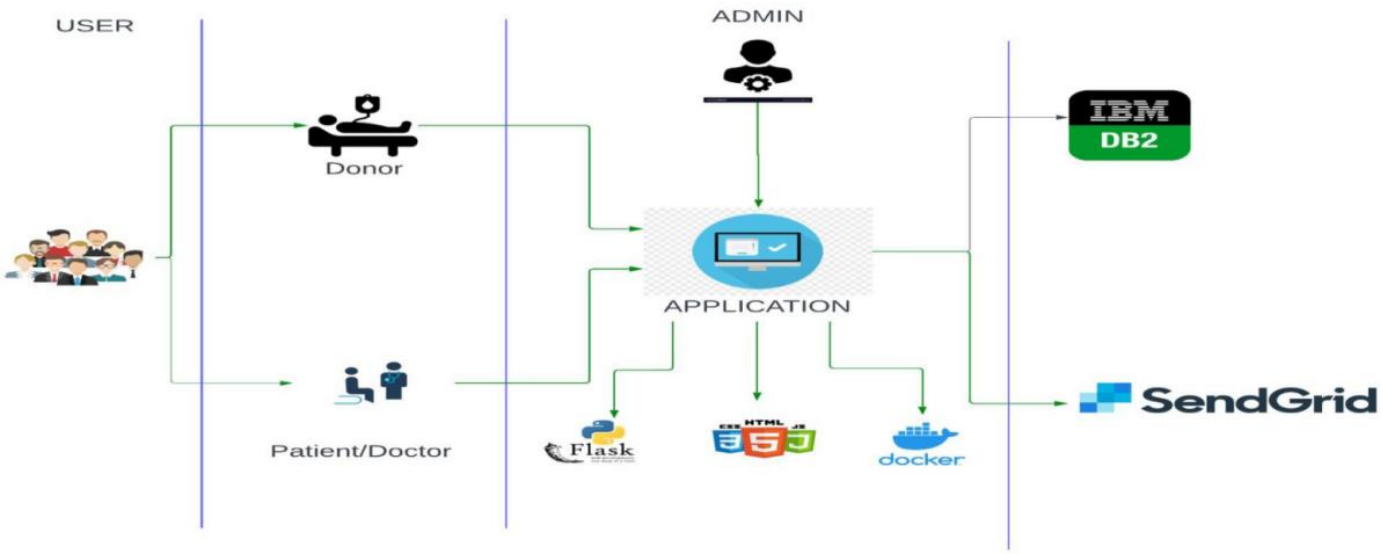
Project ID	PNT2022TMID28877
Project Name	PLASMA DONAR APPLICATION
Marks	4 Marks

COMPONENTS & TECHNOLOGIES:

SNO	Component Description	Description	Technology
1	User Interface	The interaction between the user and application	HTML, CSS, JavaScript / Bootstrap etc.
2	App Logic-1	Framework used for designing the application.	Python, Python - Flask
3	App Logic-2	Accessing the cloud and storing details of the users both donors' patients.	IBM Cloud, IBM DB2
4	App Logic-3	Docker is an open-source platform for building, deploying, and managing	Docker

		containerized applications	
5	Database	Data Type, Configurations etc..	SQL
6	Cloud Database	Database Service on Cloud	IBM Cloud and IBM DB2
7	File Storage	File storage requirements	IBM block Storage or storage service or Local File system

TECHNOLOGY ARCHITECTURE:



APPLICATION CHARACTERISTICS:

Sl.no	Characteristics	Description	Technology
1	Open-Source Framework	Python – flask is an open-source framework used to develop the application.	Python – flask is an open-source framework used to develop the application.
2	Security Implementation	Container registry and Kubernetes Cluster are used for encryption of data.	Container registry and Kubernetes Cluster
3	Scalable Architecture	Kubernetes Cluster allows containers to run across mu machines and environments.	Kubernetes Cluster
4	Availability	Kubernetes Cluster provides all-time availability.	Kubernetes Cluster
5	Performance	Docker improves the application performance.	Docker