

Project Design Phase-II
Open Source Frameworks

Team ID	PNT2022TMID02723
Project Name	PLASMA DONOR APPLICATION

Flask:

Flask is a micro web framework written in Python. It is classified as a microframework because it does not require particular tools or libraries. It has no database abstraction layer, form validation, or any other components where pre-existing third-party libraries provide common functions. It provides libraries to build lightweight web applications in python. It is based on WSGI toolkit and jinja2 template engine.

Docker:

Docker is an open platform for developing, shipping, and running applications. Docker enables you to separate your applications from your infrastructure so you can deliver software quickly. With Docker, you can manage your infrastructure in the same ways you manage your applications. By taking advantage of Docker's methodologies for shipping, testing, and deploying code quickly, you can significantly reduce the delay between writing code and running it in production.

Kubernetes:

Kubernetes is a popular open source platform for container orchestration — that is, for the management of applications built out of multiple, largely self-contained runtimes called containers. Containers have become increasingly popular since the Docker containerization project launched in 2013, but large, distributed containerized applications can become increasingly difficult to coordinate. By making containerized applications dramatically easier to manage at scale, Kubernetes has become a key part of the container revolution.