MILESTONES AND ACTIVITY LISTS

PROJECT NAME: Plasma Donor Application
TEAM ID: PNT2022TMID27128

PREREQUISITES:
- Python IDLE
- Flask
- IBM Cloud
- Docker

1. IDEATION PHASE

- Literature Survey
- Empathize
- Defining Problem Statement
- Ideation

2. PROJECT DESIGN PHASE 1

- Proposed Solution
- Problem Solution Fit
- Solution Architecture

3. PROJECT DESIGN PHASE 2

- Functional Requirement
- Customer Journey
- Data flow Diagram
- Technology Architecture

4.SETTING UP APPLICATION ENVIRONMENT

- Create Flask Project
- Create IBM Cloud Account
- Install IBM Cloud CLI
- Docker CLI installation
- Create an account in SendGrid

5.IMPLEMENTING WEB APPLICATIONS

- Create UI to interact with application

  - Registration page
  - Login Page
  - Stats page to display the count
  - Request Page

- Create IBM DB2 and connect with Python

  - IBM DB2 with Python

6.INTEGRATING SENDGRID SERVICE

- SendGrid integration with Python code

7.DEPLOYMENT OF APP IN IBM CLOUD

- Containerize the app

  - Docker image creation
  - Creating docker image for flask app

- Upload image to IBM container registry
- Deploy in Kubernetes cluster

8.PROJECT PLANNING PHASE

➤ Prepare Milestone and Activity list

➤ Sprint Delivery Plan

9.PROJECT DEVELOPMENT PHASE

➤ Project development-Delivery of sprint-1

➤ Project development-Delivery of sprint-2

➤ Project development-Delivery of sprint-3

➤ Project development-Delivery of sprint-4