MILESTONES AND ACTIVITY LISTS

Team id	PNT2022TMID18022
Project Name	Plasma Donor Application
Team Members	RAGUL, LITHISH, MOSHE SAM, MURALI

PREREQUISITES:

- ➢ **Python IDLE**
- ➢ **Flask**
- ➢ **IBM Cloud**
- ➢ **Docker**

1. IDEATION PHASE:

- ➢ Literature Survey
- ➢ Empathize
- ➢ Defining Problem Statement
- ➢ Ideation

2. PROJECT DESIGN PHASE 1

- ➢ Problem Solution Fit
- ➢ Proposed Solution
- ➢ Solution Architecture

3. PROJECT DESIGN PHASE 2

- ➢ Customer Journey
- ➢ Functional Requirement

- ➢ 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

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

- ➢ Create IBM DB2 and connect with Python

  - o IBM DB2 with Python

6. INTEGRATING SENDGRID SERVICE

- ➢ Sendgrid integration with Python code

7. DEPLOYMENT OF APP IN IBM CLOUD

- ➢ Containerize the app

  - o Docker image creation o 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