

# **MILESTONES AND ACTIVITY LISTS**

**PROJECT NAME:**Plasma Donor Application

**TEAM ID:**PNT2022TMID24120

**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