

# **MILESTONES AND ACTIVITY LISTS**

**PROJECT NAME:** Plasma Donor Application

## **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