

MILESTONES AND ACTIVITY LISTS

Date	04 November 2022
Team ID	PNT2022TMID05086
Project Name	Plasma donor application
Maximum Marks	8 Marks

PREREQUISITES:

- Python IDLE
- Flask
- IBM Cloud
- Docker

• IDEATION PHASE

- Literature Survey
- Empathize
- Defining Problem Statement
- Ideation

• PROJECT DESIGN PHASE 1

- Proposed Solution
- Problem Solution Fit
- Solution Architecture

• PROJECT DESIGN PHASE 2

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

• SETTING UP APPLICATION ENVIRONMENT

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

• 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

- **INTEGRATING SENDGRID SERVICE**

- Sendgrid integration with Python code

- **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

- **PROJECT PLANNING PHASE**

- Prepare Milestone and Activity list
 - Sprint Delivery Plan

- **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