# PROJECT PLANNING

## MILESTONES AND ACTIVITY LISTS

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|---|---|
| Date | 1 November 2022 |
| Team ID | PNT2022TMID24834 |
| Project Name | Plasma donor application |
| Maximum Marks | 8 Marks |

**PREREQUISITES:**

- Python IDLE
- Flask
- IBM Cloud
- Docker

**1.IDEATION PHASE**

- Empathize
- Defining Problem Statement
- Ideation
- Literature Survey

**2.PROJECT DESIGN PHASE 1**

- Solution Architecture
- Proposed Solution
- Problem Solution Fit

**3.PROJECT DESIGN PHASE 2**

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

**4.SETTING UP APPLICATION ENVIRONMENT**

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

## 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

- Send-grid integration with Python code

## 7.DEPLOYMENT OF APPIN 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