**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