## MILESTONES AND ACTIVITY LISTS

**PROJECT NAME:** **INVENTORY MANAGEMENT SYSTEM FOR RETAILERS**

**TEAM ID:** PNT2022TMID27088

## 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

1. 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
  + Signup page
  + Signin 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