Milestone & Activity List

Project Title	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Team ID	PNT2022TMID27210

1. Project Objectives:
   - Analysing the image of the food and calculate the nutrients.

2. Prerequisites:
   - Software/packages - Anaconda Navigator, Pycharm

3. Data collection:
   - Download the dataset

4. Image Preprocessing:
   - Import The Image Data Generator Library
   - Configure ImageDataGenerator Class
   - Apply Image DataGenerator Functionality To Trainset And Testset

5. Model Building:
   - Importing The Model Building Libraries
   - Initializing The Model
   - Adding CNN Layers
   - Adding Dense Layers
   - Configure The Learning Process
   - Train The Model
   - Save The Model
   - Test The Model

6. Application Building:
   - Create HTML Pages
   - Build Python Code
   - Creating Our Flask Application And Loading Our Model By Using Load_model Method
   - Routing To The Html Page
   - Run The Application

7. Train The Model On IBM:
   - Register For IBM Cloud
   - Train Model On IBM

8. Ideation Phase:
   - Literature Survey On The Selected Project & Information Gathering
   - Prepare Empathy Map
   - Ideation

9. Project Design Phase – I:
   - Proposed Solution
   - Problem Solution
   - Fit Solution Architecture

10. Project Design Phase – II:
    - Customer Journey
    - Functional Requirement
    - Data Flow Diagrams
    - Technology Architecture

11. Project Planning Phase:
    - Milestone & Activity List
    - Sprint Delivery Plan

12. 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