

Project Planning Phase

Project Planning Template (Milestone Activity)

Date	28 October 2022
Team ID	PNT2022TMID35969
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

Milestone Activity Plan

Milestone	Functional Requirement (Epic)	Milestone Story Number	Milestone Story / Task
Milestone 1	Data Collection	M1	Collect dataset for building our project and creating two folders, one for training and another one for testing.
Milestone 2	Image Preprocessing	M2	Import image data generator libraries and applying image data generator functionality to train the model.
Milestone 3	Building Model	M3	Importing the model building libraries, Initializing the model, Adding Convolution layers, Adding the Pooling layers, Adding the Flatten layers, Adding Dense layers, Compiling the model Fit and Save the model.
Milestone 4	Testing Model	M4	Import the packages first. Then we save the model and Load the test image, preprocess it and predict it.
Milestone 5	Application Layer	M5	Build the flask application and the HTML pages.
Milestone 6	Train Conversation Engine	M6	Register for IBM Cloud and train Image Classification Model
Milestone 7	Final Result	M7	To ensure all the activities and resulting the final output.