

## Project Planning Phase

### Milestone And Activity

<b>Team ID</b>	<b>PNT2022TMID27357</b>
<b>Project Name</b>	<b>AI-Powered Nutrition Analyzer for FitnessEnthusiasts</b>

Milestone And Activity:

<b>Milestone</b>	<b>A c t i v i t y</b>
Data Collection	Collecting images of fruits like apples, cherries, Lemons, dragonfruits, oranges for analysis.
Image Preprocessing	Increasing the amount of data by generating new datapoints from existing data. Applying image data generator functionality to train and test dataset.
Modeling Phase	Building the model using a deep learning approach and adding CNN layers. Training, saving, testing and predicting the model. Database creation for the input classes.
Development phase	Dashboard creation. Analysis and prediction page creation. Creating feedback and rating page.
Application Phase	Building the python code and importing the flask module into the project. Create the Flask application and load the model. Connecting front end and back end and performing routing and running the application.
Testing Phase	Checking usability and accessibility. Checking scalability and performance of the application.