**Project Planning Phase**

**Milestone And Activity**

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| Date | 12 November 2022 |
| Team ID | PNT2022TMID41556 |
| Project Name | AI-Powered Nutrition Analyzer for Fitness  Enthusiasts |
| Maximum Marks | 4 Marks |

**Milestone And Activity:**

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| **Milestone** | **Activity** |
| Data Collection | Collecting images of food items apples, bananas, oranges, pineapples, watermelons for analysis. |
| Image pre-processing | Increasing the amount of data by generating new data points from existing data.  Applying image data generator functionality to train and test dataset. |
| Modelling 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. |