Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

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| Date | 9 November 2022 |
| Team ID | PNT2022TMID22371 |
| Project Name | AI-Powered Nutrition Analyzer For Fitness Enthusiasts |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create product backlog and sprint schedule

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| **Sprint** | **Functional Requirement (Epic)** | **User Story**  **Numbe r** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Data selection and Image Preprocessing | USN-1 | we will be improving the image data that suppresses unwilling distortions or enhances some image features important for further processing, although performing some geometric transformations of images like rotation, scaling, translation, etc. The ImageDataGenerator accepts the originaldata, randomly transforms it, and returns only the new, transformed data. | 2 | High | Shyam Kaviyaraj Jeyakumar Sherwin Dennis |
| Sprint-2 | Model Building | USN-1 | **Steps to Build a Deep Learning Model**   1. Deﬁning the model architecture 2. Conﬁgure the learning process 3. Train The Model 4. Save the Model 5. Predictions | 1 | Medium | Shyam Kaviyaraj  Jeyakumar Sherwin Dennis |

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| Sprint-3 | Application Building | USN-1 | Now that we have trained our model, let us build our ﬂask applicationwhich will be running in our local browser with a user interface. In the flask application, the input parameters are taken from the HTML page. These factors are then given to the model to predict the type of food and to know the nutrition content in it. In order to know the nutrition content we will be using an API in this project. | 2 | High | Shyam Kaviyaraj Jeyakumar Sherwin Dennis |
| Sprint-4 | Train the model on IBM | USN-1 | In this milestone, we will register in the IBM cloud and Train the Model in thecloud. Finally we will build a deep learning model. | 2 | High | Shyam Kaviyaraj Jeyakumar  Sherwin Dennis |