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

Date	03-11-2022
Team ID	PNT2022TMID51044
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts APNAFFE
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Gather pictures of various foodstuffs and group them according to their names into subdirectories. Make folders for the various food products that must be identified.	3	High	Swathika B
Sprint-1	Image Processing	USN-2	While applying various geometric modifications to photos, such as rotation, scaling, translation, et cetera, it is still possible to improve the image data by reducing unintentional distortions or enhancing certain image properties crucial for future processing.	3	High	Swathika B
Sprint-2	Modelling Phase	USN-3	To construct our convolutional neural network, which consists of an input layer, a convolution layer, a max-pooling layer, and an output layer.	4	High	Vaishnavirajam R
Sprint-3	HTML Page Creation	USN-4	The HTML page's input parameters are used The model is then given these variables in order to estimate the food's kind and determine how much nutrition it contains. In this project, we will use an API to determine the nutritional content.	4	Medium	Sahana sri R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Application Phase	USN-5	The creation of the Python code and the import of the Flask module into the project. Including the Flask module and performing routing pages in HTML	10	High	Sahana sri R
Sprint-4	Deployment Phase	USN-6	Deployment of application by using IBM cloud	10	High	Vijayalakshmi R
Sprint-4	Testing Phase	USN-7	Checking usability and accessibility and performance	10	High	Vijayalakshmi R

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	12	5 Days	03 Nov 2022	08 Nov 2022		
Sprint-2	8	4 Days	08 Nov 2022	12 Nov 2022		
Sprint-3	8	4 Days	12 Nov 2022	16 Nov 2022		
Sprint-4	40	4 Days	16 Nov 2022	19 Nov 2022		

Velocity:

$$AV = \frac{sprint\ duration}{velocity}$$

$$= 17/4 = 4.25$$

Road Map

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⚡ APNAFFE-1 Data Collection		
⚡ APNAFFE-2 Image Processing		
⚡ APNAFFE-3 Modelling Phase		
⚡ APNAFFE-4 HTML Page Creation		
⚡ APNAFFE-5 Application Phase		
⚡ APNAFFE-6 Deployment Phase		
⚡ APNAFFE-7 Testing Phase		