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

Date	8 November 2022
Team ID	PNT2022TMID08328
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts

PRODUCT BACKLOG, SPRINT SCHEDULE, AND ESTIMATION

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Dataset - Collecting images of food items apples , banana, orange, pineapple, watermelon for analysis	5	High	Murugan, Dhanush, Arunkumar, Ayyanar
Sprint-1	Image Preprocessing	USN-2	Image data augmentation - Increasing the amount of data by generating new data points from existing data	4	Medium	Murugan
Sprint-1		USN-3	Image Data Generator Class - Used for getting the input of the original data	4	Medium	Dhanush
Sprint-1		USN-4	Applying image data generator functionality to train set and test set	4	Medium	Arunkumar
Sprint-2	Modeling Phase	USN-5	Defining the model architecture - Building the model using deep learning approach and adding CNN layers	4	High	Dhanush, Arunkumar, Ayyanar
Sprint-2		USN -6	Training , saving, testing and Initializing the model	5	High	Murugan, Arunkumar, Dhanush
Sprint-2		USN- 7	Adding Dense layer of model	4	High	Arunkumar

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint- 2	Development phase	USN- 8	Project development-delivery of sprint1	3	Medium	Ayyanar
Sprint-2		USN- 9	Project development-delivery of sprint2	2	Low	Dhanush
Sprint-2		USN- 10	Project development-delivery of sprint 3	2	Low	Arunkumar
Sprint-3		USN- 11	Project development-delivery of sprint4	2	Low	Murugan
Sprint-4	Model on IBM	USN-12	Cloud deployment – Deployment of application by using Register for IBM cloud	4	High	Dhanush Murugan

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Testing Phase	USN-19	Functional testing – Checking usability and accessibility	3	Medium	
		USN-20	Non Functional testing – Checking scalability and performance of the application	3	Medium	

Project Tracker, Velocity & Burn down 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	08	5 Days	29 Oct 2022	02 Nov 2022	20	3 Nov 2022
Sprint-2	15	5 Days	03 Oct 2022	07 Nov 2022	20	8 Nov 2022
Sprint-3	15	5 Days	08 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	25	5 Days	13 Nov 2022	17 Nov 2022	20	16 Nov 2022

Velocity:

Average Velocity= 12/4 =3