

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID32374
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	3	High	Yughendran T
Sprint-1	Image Preprocessing	USN-2	Image data augmentation - Increasing the amount of data by generating new data points from existing data	3	Medium	Karthikeyan M
Sprint-1		USN-3	Image Data Generator Class - Used for getting the input of the original data	3	Medium	Shriram M A
Sprint-1		USN-4	Applying image data generator functionality to trainset and testset	3	High	Alexander A S
Sprint-2	Modelling Phase	USN-5	Defining the model architecture - Building the model using deep learning approach and adding CNN layers	4	High	Yughendran T
Sprint-2		USN-6	Training , saving, testing and predicting the model	4	High	Karthikeyan M
Sprint-3	HTML Page Creation	USN-7	Home page creation - It shows options of the application	4	Medium	Shriram M A
Sprint-3		USN-8	User Input and Prediction Page Creation - It is for the user to feed the input images and display predicted output	4	Medium	Alexander A S
Sprint-4	Application Phase	USN-9	Building the python code and importing the flask module into the project	10	High	Yughendran T
Sprint-4		USN-10	Importing the flask module into the project and perform routing the HTML pages	10	High	Karthikeyan M
Sprint-4	Deployment Phase	USN-11	Cloud deployment – Deployment of application by using IBM cloud	10	High	Shriram M A
Sprint-4	Testing Phase	USN-12	Checking usability and accessibility and performance	10	High	Alexander A S

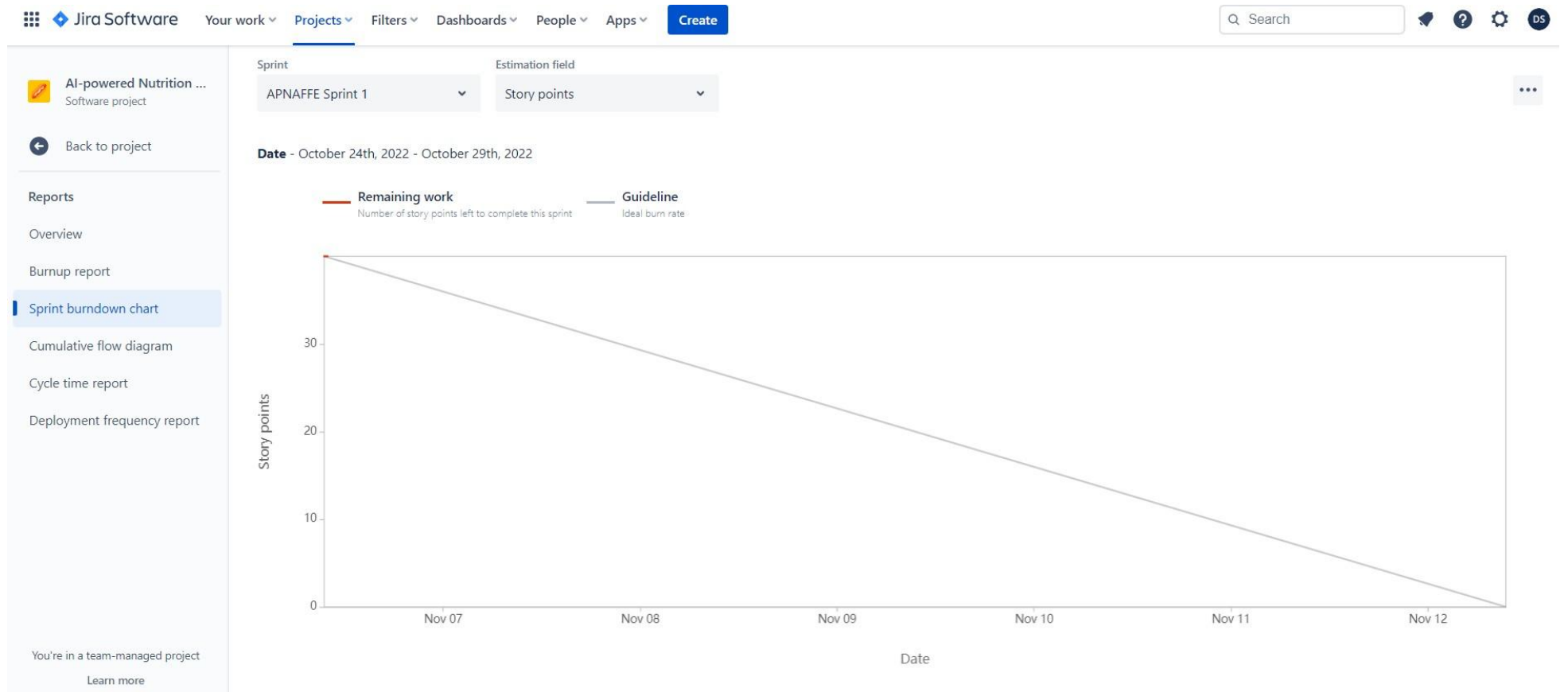
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	8	4 Days	30 Oct 2022	02 Nov 2022		
Sprint-3	8	3 Days	03 Nov 2022	05 Nov 2022		
Sprint-4	40	7 Days	06 Nov 2022	12 Nov 2022		

Velocity:

Average Velocity = $12.384/4 = 3.096$

Burndown Chart:



Roadmap

