Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
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	Download Datasets Manual Cleaning Creating Folder Structure Writing Code for accessing the images	4	High	Abinandan, Gokulram
	Image Processing	USN-2	Resizing and Rescaling of images Performing Data Augmentation on images	6	Medium	Abinandan, Gokulram
Sprint-2	Model Building for Vegetable disease predictor	USN-3	To create a Custom model image classification task To create a model using Transfer Learning for image classification task	5	High	Rahul, Sankarraj Aditya
	Model Building for Fruit disease predictor	USN-4	To create a Custom model image classification task To create a model using Transfer Learning for image classification task	5	High	Abinandan, Gokulram
Sprint-3	Testing	USN-5	To test both the fruit and vegetable disease prediction model	6	Medium	Rahul, Sankarraj Aditya
	Application Building	USN-6	Creating user application/website As a user, I can login or register into the website	4	Low	Rahul, Sankarraj Aditya
Sprint 4	Train the model in IBM	USN-7	To compile and train the model in IBM	10	Medium	Abinandan, Gokulram

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	10	7 Days	21 Oct 2022	28 Oct 2022	10	29 Oct 2022
Sprint-2	10	7 Days	28 Oct 2022	04 Nov 2022	10	05 Nov 2022
Sprint-3	10	7 Days	04 Nov 2022	11 Nov 2022	10	13 Nov 2022
Sprint-4	10	7 Days	11 Nov 2022	18 Nov 2022	10	20 Nov 2022

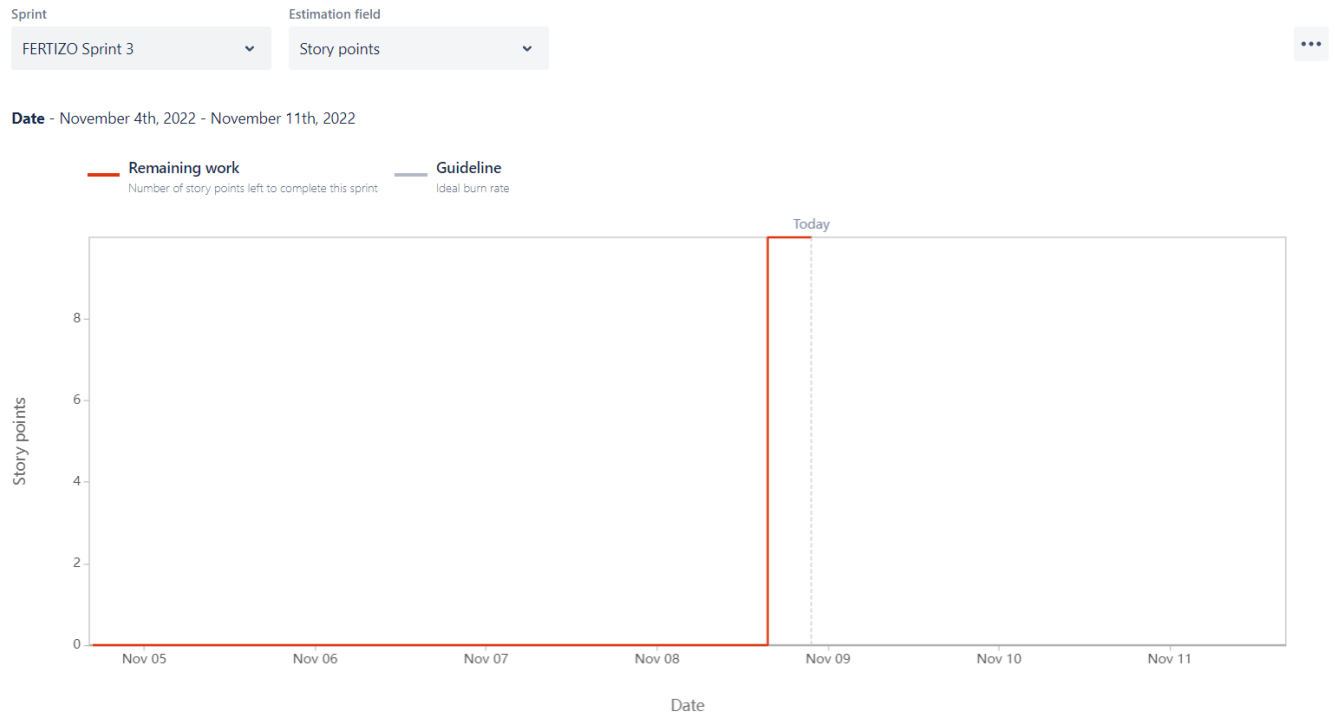
Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts