

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID32693
Project Name	Project –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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Varun,Thirumaal,sundar Veerabala
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Varun,Thirumaal,sundar Veerabala
Sprint-1		USN-4	As a user, I can register for the application through Gmail	5	Medium	Varun,Thirumaal,sundar Veerabala
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Varun,Thirumaal,sundar Veerabala
	Database		The information are stored in IBM DB2			

Sprint-2	Dataset collection	USN-6	Development of the model with the prepared data set	6	low	Varun,Thirumaal,sundar Veerabala
Sprint-2	Image processing	USN-7	Apply image datagenerator functionality to trainset and testset	10	medium	Varun,Thirumaal,sundar Veerabala

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Model building	USN-8	Train the model and add necessary layers in jupyter notebook	5	high	Varun,Thirumaal,sundar Veerabala
Sprint-3	Applicaton building	Usn-9	Create html pages and build python code and create flask application to load our model	13	high	Varun,Thirumaal,sundar Veerabala
Sprint-4	User image analysis	Usn-10	As user can upload the image of fruits can be identified and it can give its nutrtrion	12	high	Varun,Thirumaal,sundar Veerabala
Sprint-4	Train the model on IBM	Usn-11	Deploy the application in ibm cloud	6	high	Varun,Thirumaal,sundar Veerabala

Sprint-4	User diet plan	Usn-12	It shows the diet plan chart	2	medium	Varun,Thirumaal,sundar Veerabala
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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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	16	2 nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	18	06 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	15 Nov 2022

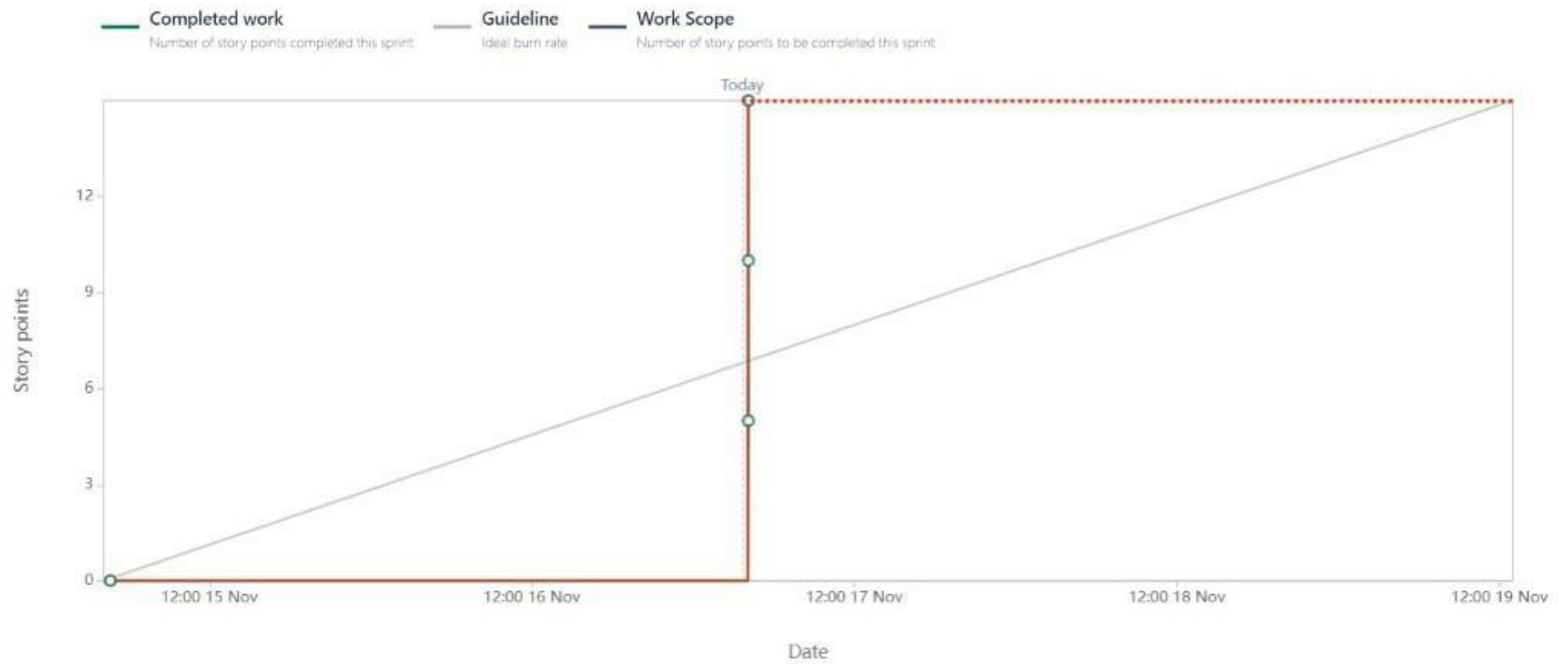
Velocity:

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)

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

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/s/how-to-do-scrum>

<https://www.atlassian.com/agile/tutorials/with-jira-scrum-how-to-use-it>

<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>