

Project Planning Phase

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

Date	22 -October 2022
Team ID	PNT2022TMID04195
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, First I have to register for IBM cloud	2	High	Murari Reddy Sudarsan, Monish V M, Abhaykrishnan S, Shree Sharanyaa R
Sprint-1	Collecting the datasets	USN-2	As a user, I have to collect and download the datasets	2	High	Murari Reddy Sudarsan, Monish V M, Abhaykrishnan S, Shree Sharanyaa R
Sprint-1	Image Preprocessing	USN-3	After collecting the datasets, Image Preprocessing has to be done.	2	Medium	Monish V M, Abhaykrishnan S, Shree Sharanyaa R
Sprint-2	Model building	USN-4	After image preprocessing, user has to build the model	2	High	Murari Reddy Sudarsan, Abhaykrishnan S, Shree Sharanyaa R
Sprint-2		USN-5	As a user, I have to develop a code for this model building and I have to build a model	2	High	Murari Reddy Sudarsan, Monish V M, Shree Sharanyaa R
Sprint-3	Application building	USN-6	After model building, I have to create an application for the end users	2	High	Murari Reddy Sudarsan, Monish V M, Abhaykrishnan S

Sprint-3		USN-7	As a user, I have to Create a folder which contains all the necessary html, css,js and python coding files	1	Medium	Murari Reddy Sudarsan, Monish V M, Abhaykrishnan S, Shree Sharanyaa R
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-8	I have to create a folder name flask, where I have to paste all the above mentioned coding files in that folder	2	High	Murari Reddy Sudarsan, Monish V M, Abhaykrishnan S, Shree Sharanyaa R
Sprint-4	Outputs	USN-9	Link the flask file with html files	2	High	Murari Reddy Sudarsan, Monish V M, Abhaykrishnan S, Shree Sharanyaa R
Sprint-4		USN-10	I have to share the screenshots of the output webpage	2	Low	Murari Reddy Sudarsan, Monish V M, Abhaykrishnan S, Shree Sharanyaa R

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

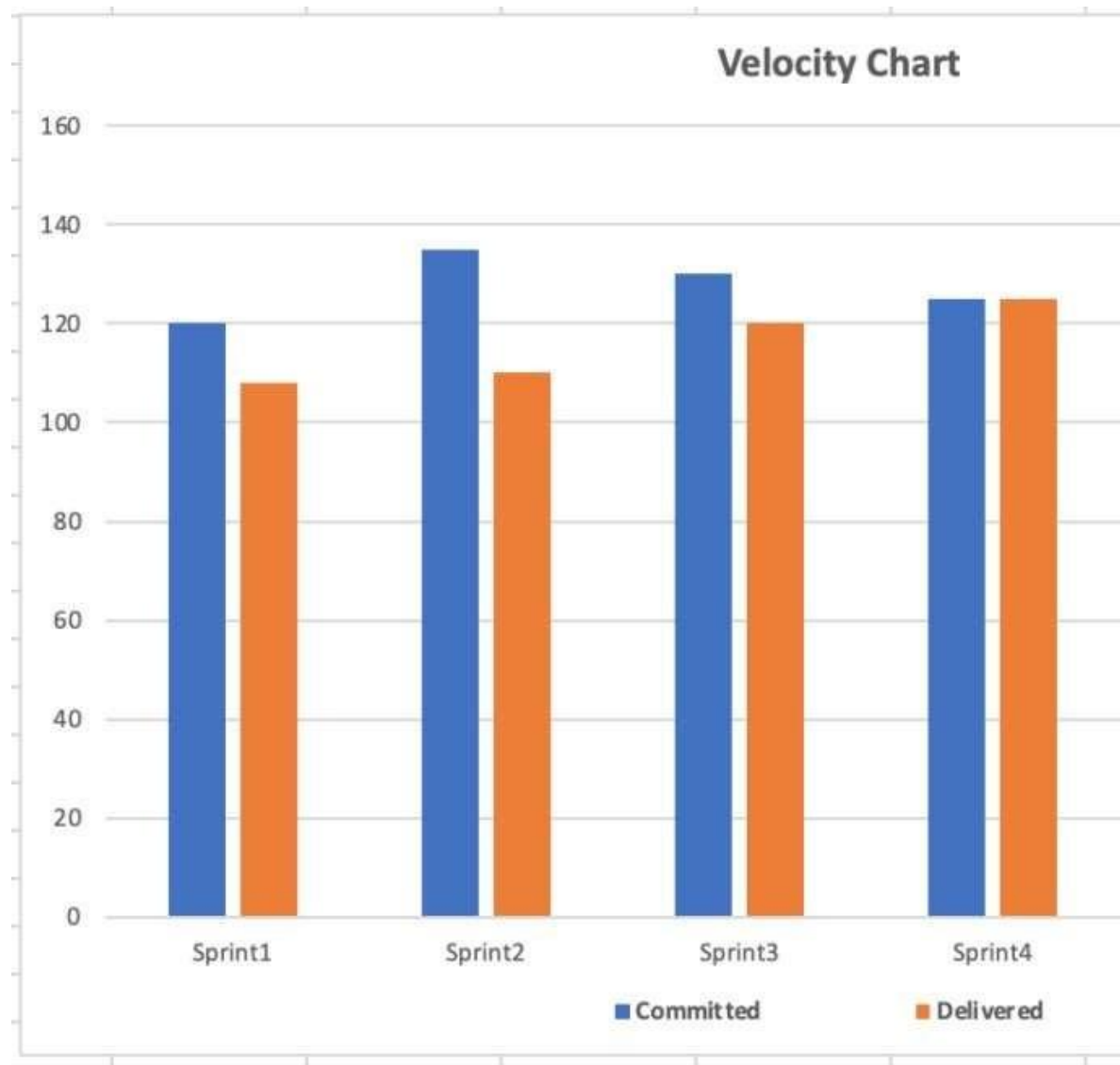
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20 (In-process)	05 Nov 2022

Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20(In-process)	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20(In-process)	19 Nov 2022
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)

Velocity:

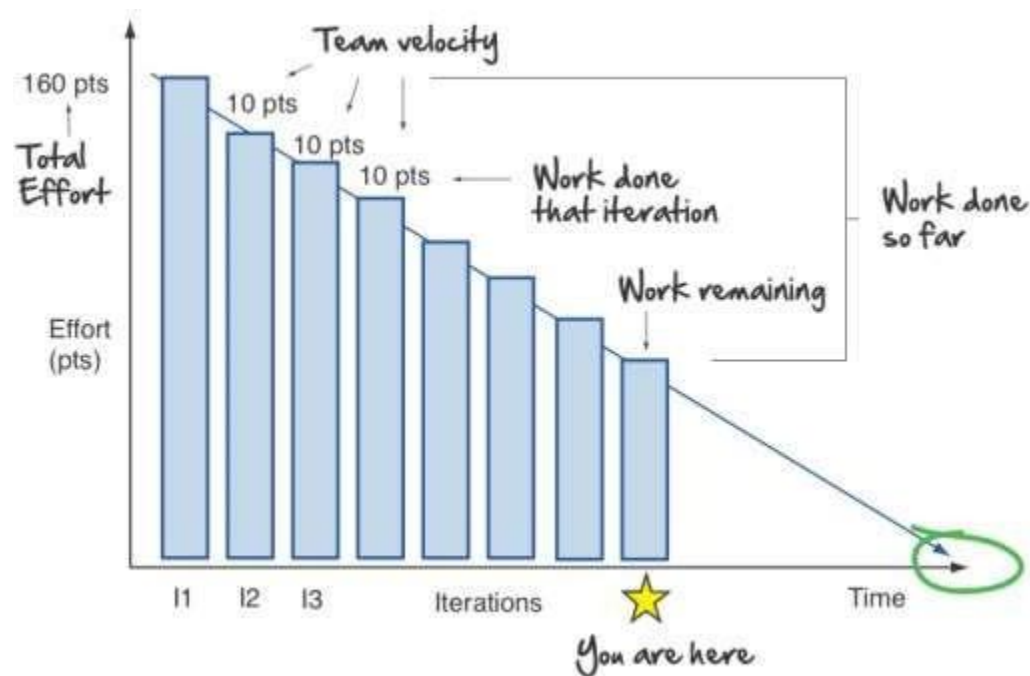
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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



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>