Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stor ies, Story points)

Date	22 -October 2022
Team ID	PNT2022TMID39453
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, F irst I have to register for IBM cloud	2	High	Swetha,sowmiya,jackulinrani, swathi
Sprint- 1	Collecting the datasets	USN-2	As a user, I have to collect and download the datasets	2	High	Swetha,sowmiya,jackulinrani, swathi
Sprint- 1	Image Preprocessing	USN-3	After collecting the datasets,Image Preprocessing has to be done.	2	Medium	Swetha,sowmiya,jackulinrani, swathi
Sprint-2	Model building	USN-4	After image preprocessing, user has to build the model	2	High	Swetha,sowmiya,jackulinrani, swathi
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	Swetha,sowmiya,jackulinrani, swathi
Sprint-3	Application building	USN-6	After model building,I have to create an application for the end users	2	High	Swetha,sowmiya,jackulinrani, swathi
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	Swetha,sowmiya,jackulinrani, swathi

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 fo lder	2	High	Swetha,sowmiya,jackulinrani, swathi
Sprint-4	Outputs	USN-9	Link the flask file with html files and I have to share the screenshots of the output webpage	2	High	Swetha,sowmiya,jackulinrani, swathi
Sprint-4		USN- 10	As a user, I have to deploy the model on IBM	2	High	Swetha,sowmiya,jackulinrani, swathi

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

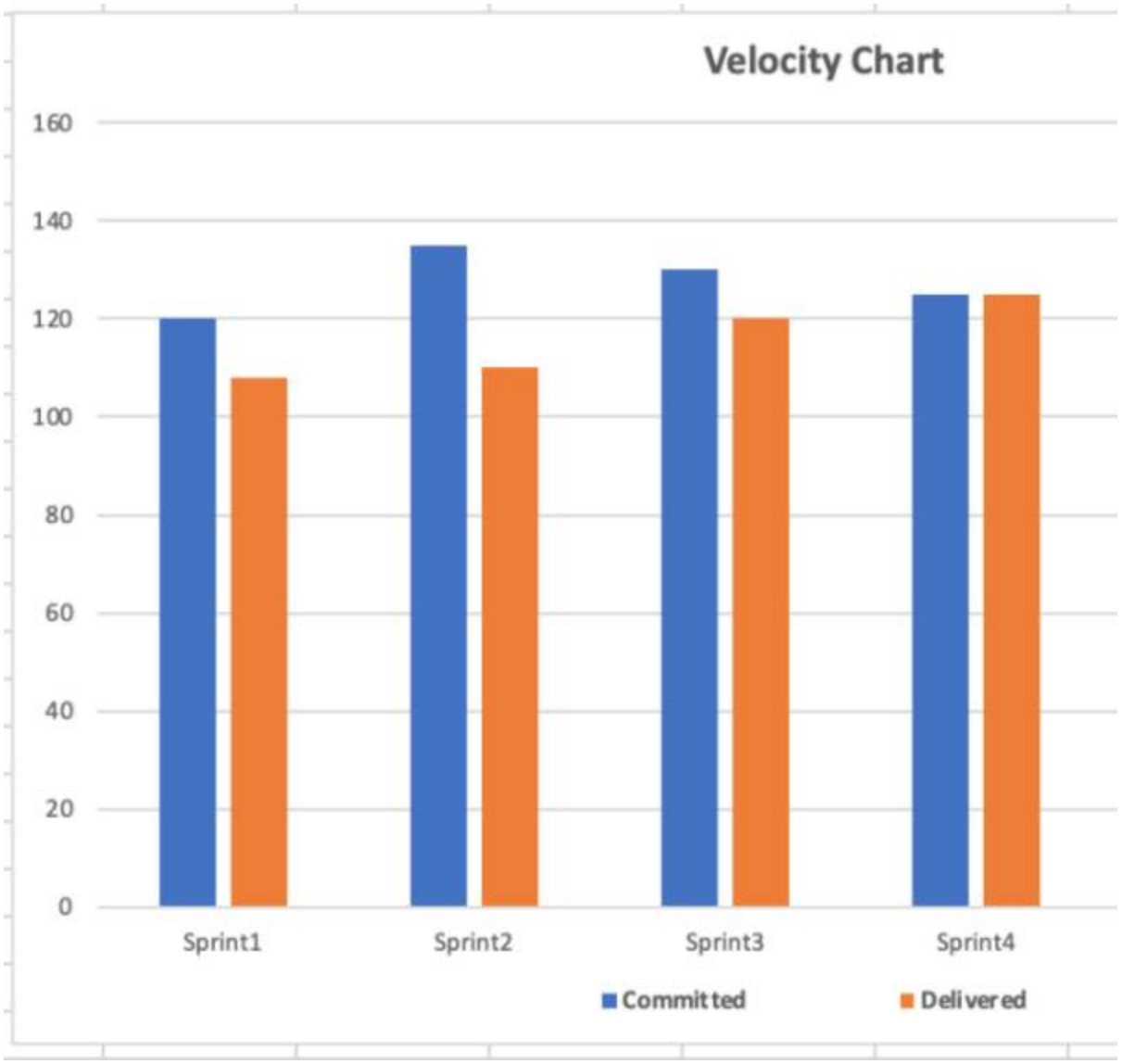
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint- 1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20 (In-process)	05 Nov 2022
Sprint-3	20	6 Days	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:

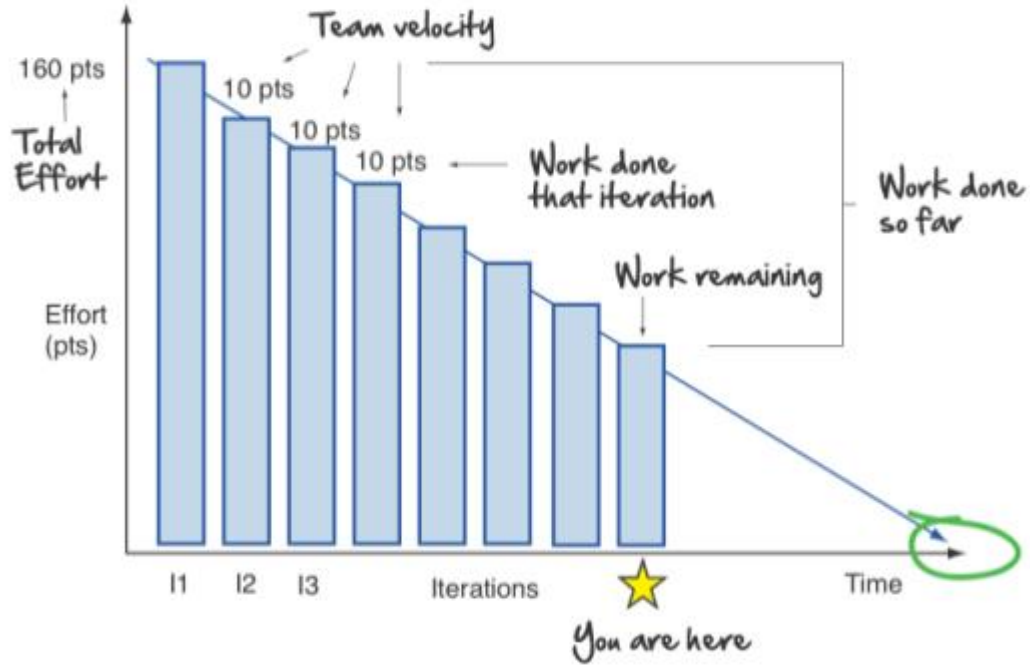
I magine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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


Velocity Chart
160
140
120
100
80
60
40
20
0
Sprint1
Sprint2
Sprint3
Sprint4
Committed
Delivered

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agilesoftware developmentmethodologies 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