Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	03 November 2022
Team ID	PNT2022TMID10856
Project Name	Project – Machine Learning Based Vehicle Performance Analyzer
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 Preprocessing	USN-1	Collecting the Dataset, Handling Null values, Handling Irrelevant Data.	10	Low	C.Kevin Patrick
Sprint-2	Data Visualization	USN-2	Univariate Analysis, Bivariate Analysis, Multivariate Analysis.	10	Medium	Gokul Raj R
Sprint-3	Data Modeling and Evaluation	USN-3	Training the model with dataset and Evaluating the model.	20	High	Farhaan N
Sprint-4	Html Page for User interaction	USN-4	As a user, Input can be given in Index Page and Output shown in Output page.	10	Medium	Gokul S S
Sprint-5	Model Deployment	USN-5	Model is deployed in Flask and model is trained in IBM cloud and IBM watson	10	High	Arshathul Mohammad Haq B

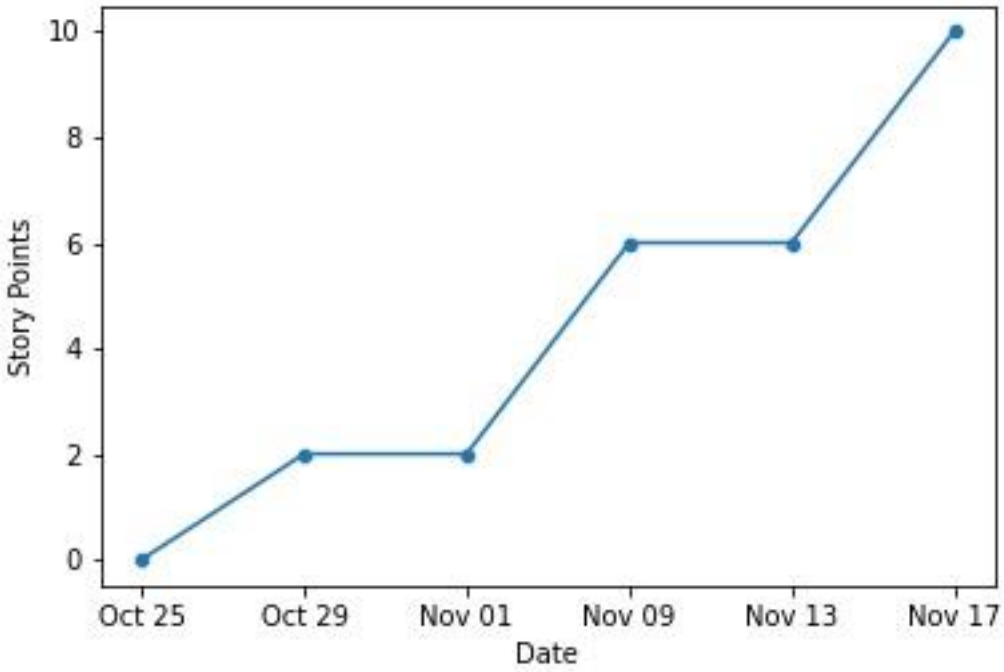
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	6 Days	24 Oct 2022	31 Oct 2022	10	04 Nov 2022
Sprint-2	10	6 Days	31 Oct 2022	07 Nov 2022	10	07 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	14 Nov 2022	10	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	21 Nov 2022	5	19 Nov 2022
Sprint-5	10	6 Days	21 Nov 2022	28 Nov 2022	5	25 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)

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


10
8
6
4
2
0
Story Points
Oct 25
Oct 29
Nov 01
Nov 09
Nov 13
Nov 17
Date

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