Project Planning Phase

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

Date	5 October 2022
Team ID	PNT2022TMID00825
Project Name	Project - Traffic and Capacity Analytics for Major Ports
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.	2	High	Neerajj.S, D.J.Prashanth
Sprint-2	Login to Dashboard	USN-2	As a user, I can log into the application by entering email & password	1	High	Pranav Pandy.M , Nanthu.A.S
Sprint-3	Open and work in Cognos	USN-3	As a user, I can open the cognos analytic workspace	1	Medium	Pranav Pandy.M , D.J.Prashanth
	Upload Dataset	USN-4	As a user, I can upload the dataset in the workspace	1	High	
	Visualize the data	USN-5	As a user, I can visualize the dataset in different forms	2	Medium	

Sprint-4	Data Analysis and traffic Prediction	USN-6	As a user, I can predict and schedule the traffic	2	High	Neerajj.S, D.J.Prashanth, Pranav Pandy.M , Nanthu.A.S

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	18 Days	1 Nov 2022	19 Nov 2022	20	19 Nov 2022
Sprint-2	20	15 Days	4 Nov 2022	19 Nov 2022	20	19 Nov 2022
Sprint-3	20	12 Days	07 Nov 2022	19 Nov 2022	20	19 Nov 2022
Sprint-4	20	5 Days	14 Nov 2022	19 Nov 2022	20	19 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