Project Planning Phase

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

Date	26 October 2023
Team ID	Team-591216
Project Name	dissecting the digital landscape: A comprehensive analysis of social Media
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 Collection API Integration	USN-1	As a developer, I want to integrate the Twitter and Facebook APIs to collect social media data.	5	High	Santhosh
Sprint-2	Database Setup	USN-2	As a data engineer, I need to set up the database to store the collected social media data.	3	High	Mounika
Sprint-3	Preprocessing Pipeline	USN-3	As a data scientist, I want to create a preprocessing pipeline to clean and structure the data.	4	High	Santhosh
Sprint-4	Data Visualization Dashboard	USN-4	As a user, I want an interactive dashboard to visualize the social media data analysis results.	4	Medium	Mounika
Sprint-5	Report	USN-5	As a user, I want a report to get an idea on the usage of social media	4	High	Santhosh

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	5	2 Days	28 Oct 2023	29 Oct 2023	5	29 Oct 2023
Sprint-2	3	2 Days	30 Oct 2023	31 Oct 2023	3	31 Oct 2023
Sprint-3	4	2 Days	01 Nov 2023	02 Nov 2023	4	02 Nov 2023
Sprint-4	4	2 Days	03 Nov 2023	04 Nov 2023	4	04 Nov 2023
Sprint-5	4	2 Days	05 Nov 2023	06 Nov 2023	4	06 Nov 2023

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