Project Planning Phase

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

Date	18 October 2023
Team ID	NM2023TMID06896
Project Name	Quantitative Analysis Of Candidates In 2019 Lok Sabha Elections
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	USN-1	Collect data on candidates' age, gender, education, occupation, and other relevant demographic information.	5	High	Elavarasan, Aravindkannan
Sprint-2	Data Aggregation	USN-2	Ability to collect diverse datasets concerning candidates' demographics, past performance, constituency details, social media presence, financial disclosures, and sentiment analysis.	1	High	Rajesh, Prakash
Sprint-3	Data processing	USN-3	Advanced analytical tools and algorithms to process collected data, perform predictive analysis, and identify correlations for insightful decision-making.	2	Low	Elavarasan, Rajesh
Sprint-4	Data Analytics	USN-4	Utilize IBM Cloud services to integrate and harmonize various data sources efficiently.	2	Medium	Prakash, Rajesh
Sprint-5	Login	USN-5	specifically on a local host environment, involves setting up a secure access point to the project's system.	1	High	Elavarasan, AravindKannan

Sprint-6	Dashboard	USN-6	A comprehensive and user-friendly dashboard providing visualized data on candidate performance, voter demographics, public sentiment, and funding analytics for the 2019 Lok Sabha Elections analysis, ensuring real-time insights and customizable reporting features with strict data security measures.	1	High	Rajesh, AravindKannan
Sprint-7	Story	USN-7	The story revolves around a candidate's journey in the 2019 Lok Sabha Elections, navigating personal challenges, community expectations, and political rivals while striving to bring change and earn public trust through a campaign focused on integrity and progress.	1	Low	Elavarasan, Rajesh
Sprint-8	Local Server	USN-8	Establish a local server environment with a database, backend, and frontend development to analyze election candidate data, offering a secure and functional system accessible via "localhost" for testing and development.	1	High	Rajesh, Prakash

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	16	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	16	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	16	

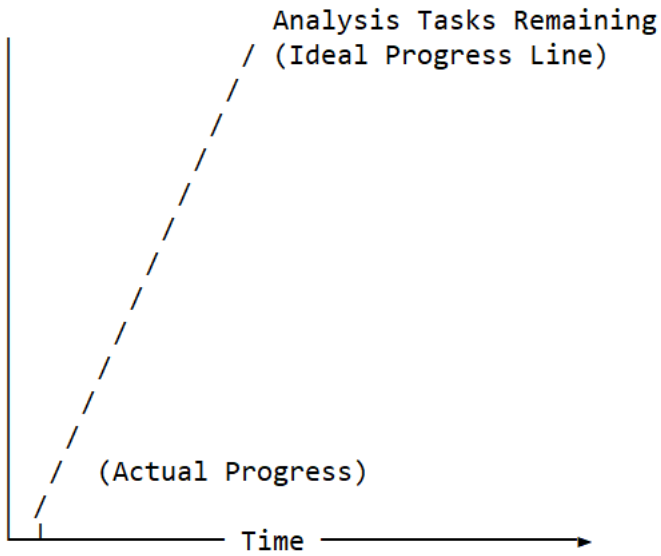
Velocity:

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