Project Planning Phase

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

Date	18 October 2022
Team ID	90EDCD5A653F97E965540D7A2F454585
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	Quantitative Analysis of Candidates	USN-001	Analyze the performance of candidates in the 2019 Lok Sabha Elections based on various metrics such as vote share, margin of victory, demographics, etc.	8	High	John, Sarah, Raj
Sprint-1	Calculate and analyze the voter turnout in each constituency of the 2019 Lok Sabha Elections.	USN-002	Calculate the voter turnout by dividing the number of votes cast by the eligible voter population in each constituency.	5	Medium	Maria, Rahul, Emily
Sprint-2	Collect and analyze who participated demographic data of the candidates in the 2019 Lok Sabha Elections	USN-003	Gather information on candidates' age, gender, educational background, and previous political experience for further analysis.	7	High	Raj, Sarah, David
Sprint-1	Assess the impact of social media on candidate popularity and election outcomes.	USN-004	Monitor social media platforms for candidate mentions, analyze sentiment, and identify any correlation with electoral success.	9	Medium	John, Lisa, Micheal
Sprint-1	Examine the swings in voter preferences across different constituencies.	USN-005	Calculate the change in vote share for each party between the 2014 and 2019 elections to identify trends.	6	High	Emily, Rahul, Lisa

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	40	2 weeks	2023-11-01	29 Oct 2023	35	2023-11-14
Sprint-2	35	2 weeks	2023-11-16	05 Nov 2023	40	2023-11-22
Sprint-3	40	3 weeks	2023-12-02	12 Nov 2023	30	2023-12-03
Sprint-4	20	6 Days	2023-12-14	19 Nov 2023	45	2023-12-16

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