Project Planning Phase

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

Date	04 November 2023
Team ID	NM2023TMID09683
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	User Authentication	US001	As a user, I want to log in	5	High	John, Sarah
Sprint-1	User Authentication	US002	As a user, I want to log in	3	Medium	Michael, Emily
Sprint-1	Profile Management	US003	Edit profile information	5	High	John, Emily
Sprint-1	Profile Management	US004	Upload profile picture	3	Medium	Sarah, Michael
Sprint-1	Dashboard	US005	View latest updates	8	High	John, Sarah, Emily
Sprint 2	Payment Gateway Integration	US006	Add payment options	5	High	John, Michael, Emily
Sprint 2	Payment Gateway Integration	US007	Process payment	8	High	Sarah, Michael
Sprint 2	Search Functionality	US008	Implement search feature	5	Medium	John, Michael
Sprint 2	Reporting	US009	Generate user activity report	8	Low	Sarah, Emily
Sprint 2	Bug Fixes	US010	Resolve critical bugs	3	High	John, Sarah

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	25	30 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	33	02 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	42	12 Dec 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)

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

AV = Sprint Duration / Velocity
AV = 10 days / 20
AV = 0.5