PROJECT PLANNING PHASE

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

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	As a user, I can register for the application by entering my email, password, and confirming my password.	15	High	Jagan, Bhavya, Akshaya, Aishwarya
Sprint-1	Confirmation	As a user, I will receive confirmation email once I have registered for the application	5	Medium	Jagan, Bhavya, Akshaya, Aishwarya
Sprint-2	Login	As a user, I can log into the application by entering email & password	10	High	Jagan, Bhavya, Akshaya, Aishwarya
Sprint-2	Dashboard	As a user, I can search NEWS and a quick snap is displayed in the dashboard.	10	High	Jagan, Bhavya, Akshaya, Aishwarya
Sprint-3	Chatbot	As a user, I can chat with the bot so that my queries areclarified	10	High	Jagan, Bhavya, Akshaya, Aishwarya
Sprint-3	Profile	As a user, I can edit my interests so that I can get newsaccordingly	10	High	Jagan, Bhavya, Akshaya, Aishwarya

Sprint-4	Notifications	As a user, I will receive notifications to my email so that I'll be updated on the news	20	Medium	Jagan, Bhavya, Akshaya, Aishwarya

Project Tracker, Velocity & Burndown Chart

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	8 Days	23 Oct 2022	30 Oct 2022		
Sprint-2	20	8 Days	31 Oct 2022	07 Nov 2022		
Sprint-3	20	8 Days	08 Nov 2022	15 Nov 2022		
Sprint-4	20	8 Days	16 Nov 2022	24 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)

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

Average Velocity=20/6AV=3.333

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time