Project Planning Phase

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

Date	23 October 2022
Team ID	PNT2022TMID52191
Project Name	Predicting the energy output of wind turbine based on weather conditions.
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Faheem Anwar
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Ananth Kumar Rajagopalaramesh
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Faheem Anwar Ananth Kumar Mohammed Ukkasha Subakani Rajagopala Ramesh Selva Subbiah

Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Mohmmed Ukkasha Subakani
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Selva Subbiah
Sprint-3	Dashboard	USN_6	To view dashboard on our project and check Customer information.	2	High	Faheem Anwar Ananth Kumar Mohammed Ukkasha Subakani Rajagopala Ramesh Selva Subbiah
Sprint-4	Review	USN-7	As a customer review our site.	1	High	Faheem Anwar Ananth Kumar Mohammed Ukkasha Subakani Rajagopala Ramesh Selva Subbiah

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	20	05 Nov 2022
Sprint-3	25	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	25	6 Days	14 Nov 2022	19 Nov 2022	20	19 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)

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

Sprint 1 & Sprint 2:

AV= 20/6 =3.3

Sprint 3 & Sprint 4:

AV=25/6=4.1