Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID53075
Project Name	Project - Predicting The Energy Output Of Wind Turbine Based On Weather Condition
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	Gayathri, Megan
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Gayathri, Megan
Sprint-4		USN-3	As a user, I can register for the application through Gmail	1	Medium	Megan, Sanmati
Sprint-4		USN-4	As a user, I can register for the application through LinkedIN	1	Medium	Gayathri, Kirthanna Rajan
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	2	High	Kirthanna Rajan, Sanmati
Sprint-3		USN-6	As a user, I can change my password in case I forget it through the reset password option.	1	Medium	Megan, Kirthanna Rajan
Sprint-2	Dashboard	USN-7	As a user, I can access the dashboard to View profile	3	Low	Gayathri, Kirthanna Rajan
Sprint-2		USN-8	As a user, I can access the dashboard to make the wind power prediction action	3	High	Megan, Sanmati

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-9	As a user, I can view my previous Evaluations	2	High	Gayathri, Megan
Sprint-4	Profile	USN-10	As a user, I can edit my profile time to time	1	Medium	Gayathri, Kirthanna Rajan
Sprint-3	Requirements	USN-11	As a user, I can enter the wind speed and other inputs through a form	1	High	Gayathri, Kirthanna Rajan
Sprint-3	Results	USN-12	As a user, I can view the results for my entered inputs	1	High	Megan, Sanmati
Sprint-2	Downloads	USN-13	As a user I can download the results as an image	3	Medium	Megan, Sanmati
Sprint-2		USN-14	As a user, I can download the results as a pdf	3	High	Gayathri, Kirthanna Rajan
Sprint-2		USN-15	As a user, I can download and share the results through email	3	Low	Kirthanna Rajan, Sanmati
Sprint-1	Login	USN-16	As an admin, I can log into the application by entering email & password	3	High	Kirthanna Rajan, Sanmati
Sprint-3		USN-17	As an admin, I can change my password in case I forget it through the reset password option	3	Medium	Gayathri, Sanmati
Sprint-4	Website modification	USN-18	As an admin, I can add content and publish the pages on the application assign by the super admin	3	Medium	Megan, Sanmati
Sprint-1	Login	USN-19	As a super admin, I can log into the application by entering email & password	3	High	Sanmati, Kirthanna Rajan
Sprint-3		USN-20	As a super admin, I can log into the application by receiving a reset email incase forgot password	3	Medium	Kirthanna Rajan, Megan
Sprint-3	Web Page Assignment	USN-21	As a super admin, I can assign pages to be handled to the admin	2	High	Gayathri, Sanmati

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Website Modification	USN-22	As a super admin, I can add content and publish on all the pages of the application	4	Low	Gayathri, Sanmati
Sprint-4		USN-23	As a super admin, I can edit the design and layout of the website	4	Medium	Megan, Kirthanna Rajan

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	12	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	17	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	11	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	14	6 Days	14 Nov 2022	19 Nov 2022		

JIRA

https://pnt2022tmid53075.atlassian.net/

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
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