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

Date	01 November 2022
Team ID	PNT2022TMID33022
Project Name	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 giving email and password followed by a captcha	2	High	K. R. Sivasakthi R. Subashini R. Vaishnavi R. Vigneshwari
Sprint-1	Registration	USN-2	After the registration, I will get my confirmation mail	1	High	K. R. Sivasakthi R. Subashini R. Vaishnavi R. Vigneshwari
Sprint-1	Registration	USN-3	As a user , I can register through Google account	2	Medium	K. R. Sivasakthi R. Subashini R. Vaishnavi R. Vigneshwari
Sprint-2	Registration	USN-4	As a user , I can register through Facebook	1	Low	K. R. Sivasakthi R. Subashini R. Vaishnavi R. Vigneshwari
Sprint-1	Login	USN-5	As a user, I can login the application by email and password	2	High	K. R. Sivasakthi R. Subashini R. Vaishnavi R. Vigneshwari
Sprint-1	Dashboard	USN-6	As a user , I have an access to customer portal, predictions and measurements of data	2	High	K. R. Sivasakthi R. Subashini R. Vaishnavi R. Vigneshwari
Sprint-2	Dashboard	USN-7	As a user , I can visualize the graphs , maps , scatterplots through the application	1	Low	K. R. Sivasakthi R. Subashini R. Vaishnavi R. Vigneshwari
Sprint-1	Notifications	USN-8	As a user , I will be notified about the weather events and meteorological forecasts	2	High	K. R. Sivasakthi R. Subashini R. Vaishnavi R. Vigneshwari

Sprint-1	Browser	USN-9	As a user , I can get the weather reports and other documents directly in the browser	2	High	K. R. Sivasakthi
						R. Subashini
						R. Vaishnavi
						R. Vigneshwari

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	20	6 days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	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)

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

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.ed to any project containing measurable progress over time.

BURNDOWN CHART