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

Date	24 October 2022
Team ID	PNT2022TMID15473
Project Name	Project - Estimate the Crop yield using Data Analytics
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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	Yogesh Balan A
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Srivarshan S
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	High	Thyaaneshwar S
Sprint-1		USN-4	As a user, I can register for the application through Gmail	1	Medium	Vinay S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Yogesh Balan A
Sprint-1	Dashboard	USN-6	As a user, I can use the methods used provided in the dashboard.	2	Medium	Thyaaneshwar S
Sprint-3		USN-7	As a user, I can view the previous results of predictions done by me	1	Low	Thyaaneshwar S
Sprint-1	Accessing the resources	USN-8	As a user, I can Identify my account with set of unique credentials.	1	High	Vinay S
Sprint-2		USN-9	As customer care executive I will always be available for the interaction with the customer to clarify the queries	1	High	Srivarshan S
Sprint-1	Updating data	USN-10	Collecting the data and store it	2	High	Yogesh Balan A
Sprint-4	Tools	USN-11	I can perform analysis by tools (cognos and with ML)	1	High	Srivarshan S

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 burndown 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
https://www.atlassian.com/agile/tutorials/sprints
https://www.atlassian.com/agile/project-management/estimation
https://www.atlassian.com/agile/tutorials/burndown-charts