Project Planning Phase

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

Date	11-11-2022
Team ID	PNT2022TMID24138
Project Name	Estimate the Crop Yield using Data Analytics
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	Working with the data set	USN-1	Understanding the data set	10	Medium	Ruthra , Tejasvani
Sprint-1	Working with the data set	USN-2	Loading the data set	10	High	Ruthra, Priyadharshini
Sprint-2	Prepare the data	USN-3	Convert the data's into required format	10	Low	Tejasvani , Priyadharshini
Sprint-2	Data Exploration	USN-4	Explore the data's which is uploaded in the IBM cognos	10	Medium	Tejasvani, priyadharshini
Sprint-3	Data Visualization	USN-5	Creating the data visualization chart	10	High	Sandhiya
Sprint-3	Dashboard	USN-6	Creating the dashboard	10	HIgh	Sandhiya
Sprint-4	Report	USN-7	Creating the report	10	High	Tejasvani sandhiya
Sprint-4	Export	USN-8	Export the report to the GIthub	20	High	Sandhiya

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)

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

Total Sprint Points = 80, Total Sprint = 5, Average Velocity = 80/5 = 16