Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53404
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	Shiyamal. Sathish Raja
Sprint-1	Working with the data set	USN-2	Loading the data set	10	High	Shree Hari, Sanjay N
Sprint-2	Prepare the data	USN-3	Convert the data's into required format	10	Low	Saravana Kumar
Sprint-2	Data Exploration	USN-4	Explore the data's which is uploaded in the IBM cognos	10	Medium	Sanjay N, Shiyamal
Sprint-3	Data Visualization	USN-5	Creating the data visualization chart	10	High	Sathish Raja, Shree Hari
Sprint-3	Dashboard	USN-6	Creating the dashboard	10	HIgh	Shiyamal, Saravana Kumar
Sprint-4	Report	USN-7	Creating the report	10	High	Sanjay N. Saravana Kumar
Sprint-4	Export	USN-8	Export the report to the GIthub	20	High	Shiyamal

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