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

Date	07 November 2022
Team ID	PNT2022TMID03011
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	Sneha
Sprint-1	Working with the data set	USN-2	Loading the data set.	10	High	Sindhuja
Sprint-2	Prepare the data	USN-3	Convert the data into required format	10	Medium	Sree Nandini
Sprint-2	Data exploration	USN-4	Explore the data's which is uploaded in the IBM cognos	10	Medium	Shrinithi
Sprint-3	Data visualization	USN-5	Creating the data visualization chart	10	High	Sindhuja
Sprint-3	Dashboard	USN-6	Creating a dashboard	10	High	Sree Nandini
Sprint-3	Visualization	USN-7	Estimation of accuracy using random forest algorithm	10	High	Shrinthi
Sprint-4	Export	USN-8	Export the analytics	10	High	Sneha

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	4 Days	01 Nov 2022	04 Nov 2022	20	08 - 09 Nov 2022
Sprint-2	20	5 Days	05 Nov 2022	10 Nov 2022	20	10 - 13 Nov 2022
Sprint-3	20	4 Days	11 Nov 2022	14 Nov 2022	20	14 - 16 Nov 2022
Sprint-4	20	4 Days	15 Nov 2022	19 Nov 2022	20	17 - 19 Nov 2022

Velocity:

Imagine we have a 4-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)

Total sprint points=80

Total sprint=4

Average velocity=80/4=20