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

Date	08 November 2022
Team ID	PNT2022TMID12429
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 Crop data set	USN-1	Understanding the crop data set	10	High	ArunSaravanan, Kishore
Sprint-1	Working with the crop data set	USN-2	Loading the crop data set	10	Medium	ArunSaravanan, Jeyanthi Nathan
Sprint-2	Cleaning the data	USN-3	To remove null values or replace the mean values	5	Medium	NaveenPrasnth, JeyanthiNathan
Sprint-2	Prepare the data	USN-4	Migrate the data into as per requirement.	5	Medium	ArunSaravanan, Kishore
Sprint-2	Data Exploration	USN-5	Understanding the data set which was loaded in the IBM Cognos	10	High	NaveenPrasnth, JeyanthiNathan
Spring-3	Data Visualization	USN-6	Implementing the visualisation and creating chat, Pivot table.	10	High	ArunSaravanan, Kishore
Sprint -3	Dashboard	USN-7	Comparing the various type of charts using Dashboard.	10	Medium	NaveenPrasnth, JeyanthiNathan
Sprint-4	Report	USN-8	Generate the report with the help of dashboard	10	High	ArunSaravanan, Kishore
Sprint-4	Export	USN-9	Export the report and share it to the Github repository.	10	Low	NaveenPrasnth, JeyanthiNathan

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	25 Oct 2022	31 Oct 2022	20	31 Oct 2022
Sprint-2	20	6 Days	01 Nov 2022	06 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	13 Nov 2022	20	14 Nov 2022
Sprint-4	20	6 Days	13 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)

Total Sprint Points = 80

Total Sprint = 4

Average Velocity = 80/4 = 20