PROJECT PLANNING PHASE

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

Date	29 October 2022
Team ID	PNT2022TMID24112
Project Name	Iot Based Smart Crop Protection System for Agriculture
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement (Epic)	User Number Story	User Story/Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	I can create account in IBM cloud and the data are collected.	20	High	4 Members
Sprint-2	Analyze	USN-2	All the data that are collected is cleaned and uploaded in the database or IBM cloud.	20	Medium	4 Members
Sprint-3	Dashboard	USN-3	I can use my account in my dashboard for uploading dataset.	10	Medium	4 Members
Sprint-3	Visualization	USN-4	I can prepare data for Visualization.	10	High	4 Members
Sprint-4	Visualization	USN-5	I can present data in my dashboard.	10	High	4 Members

Sprint-4	Prediction	USN-6	We can Protect the crops from the animals.	10	High	4 Members

Project Tracker, Velocity & Burndown Chart:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	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)

$$AV = \frac{Sprint\ Duration}{Velocity} = \frac{20}{10} = 2$$