PROJECT PLANNING PHASE

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

Date	29 October 2022
Team ID	PNT2022TMID08595
Project Name	Fertilizer Recommendation System For Disease Prediction
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	As a user, I can register for the application using email and password.	5	High	Sathiyanarayanan, Nithishkumar, Arulyaswin, Aadharsh
Sprint-1	Pre-processing	USN-2	All the data that are collected is cleaned and uploaded in the database or IBM cloud.	8	Medium	Sathiyanarayanan, Nithishkumar, Arulyaswin, Aadharsh
Sprint-2	Analyze	USN-3	The uploaded data are completely analyzed and making of predictions are done.	8	Medium	Sathiyanarayanan, Nithishkumar, Arulyaswin, Aadharsh
Sprint-3	Dashboard	USN-4	Once getting logged in, I can use dashboard menu and capture images and upload images and update.	5	Medium	Sathiyanarayanan, Nithishkumar, Arulyaswin, Aadharsh
Sprint-4	Visualization	USN-5	I can visualize the list of available diseases and their suitable fertilizer in the list.	5	High	Sathiyanarayanan, Nithishkumar, Arulyaswin, Aadharsh
Sprint-4	Prediction	USN-6	We can Protect the crops from the diseases by predicting suitable fertilizers.	5	High	Sathiyanarayanan, Nithishkumar, Arulyaswin, Aadharsh

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	13	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	10	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)

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