Project Planning Phase

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

Date	08 November 2022
Team ID	PNT2022TMID46067
Project Name	Project – Smart Farmer – IoT based Smart Farming Application
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation: (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Simulationcreation	USN-1	Connect Sensors and Arduino with python code	2	High	Padhmashree, Jyoti Pal
Sprint-2	Software	USN-2	Creating device in the IBM Watson IoT platform, workflow for IoT scenarios usingNode-Red	2	High	Hemalatha, Hema Malini
Sprint-3	MIT App Invertor	USN-3	Develop an application for the Smart farmer project using MITApp Inventor	2	Low	Padhmashree, Jyoti Pal
Sprint-3	Dashboard	USN-3	Design the Modules and test the app	2	Medium	Hemalatha
Sprint-4	Web UI	USN-4	To make the user to interact with software.	2	High	Padhmashree, Hema Malini

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	30 Oct 2022	06 Nov 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	09 Nov 2022		05 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	14 Nov 2022		12 Oct 2022
Sprint-4	20	6 Days	11 Nov 2022	17 Nov 2022		15 Oct 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints