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

Team ID	PNT2022TMID29912
Project Name	Project – Smart Farmer- IoT Based Smart Farming Application

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	Simulation creation	USN-1	Connect Sensors and Arduino with python code	2	High	Premchand.D
Sprint-2	Software	USN-2	Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red	2	High	Sathish Kumar.S

Sprint-3	MIT App Inventor	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	High	Sriharihara sudhan.R
Sprint-3	Dashboard	USN-3	Design the Modules and test the app	2	High	Sudhakar.T.k
Sprint-4	Web UI	USN-4	To make the user to interact with software.	2	High	Premchand.D Sathish Kumar.S Sriharihara sudhan.R Sudhakar.T.K

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	7 Days	24 Oct 2022	01 Nov 2022	20	01 Nov 2022
Sprint-2	20	5 Days	02 Nov 2022	07 Nov 2022	20	07 Nov 2022
Sprint-3	20	10 Days	08 Nov 2022	18 Nov 2022	20	18 Nov 2022
Sprint-4	20	9 Days	19 Nov 2022	28 Nov 2022	20	28 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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Burndown Chart