Project Planning Phase

Date	2/11/2022
Team ID	PNT2022TMID31852
Project Name	Smart Farmer-IoT Enabled Smart Farming Application
Maximum Marks	8 Marks

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

Sprint	Functional Requirement(Epic)	User Story Number	User Story/Task	Story Points	Priority
01Sprint-1	Simulation creation	USN-1	Connect Sensors and Arduino with python code	2	High
Sprint-2	Software	USN-2	Creating device in the IBM Watson IoT platform, work flow for IoT scenario using Node-Red	2	High
Sprint-3	MIT App Inventor	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	High
Sprint-3	Dashboard	USN-3	Design the Modules and test the app	2	High
Sprint-4	Web UI	USN-4	To make the user to interact with software.	2	High

Project Tracker ,Velocity & Burndown Chart:(4Marks)

Sprint	Total StoryPoints	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date(Actual)
Sprint-1	20	6Days	24Oct2022	29Oct2022	20	29Oct2022
Sprint-2	20	6Days	31Oct2022	05Nov2022	20	05Nov2022
Sprint-3	20	6Days	07Nov2022	12Nov2022	20	12Nov2022
Sprint-4	20	6Days	14Nov2022	19Nov2022	20	19Nov2022

Velocity:

Imaginewehavea10-daysprint duration,andthevelocityoftheteam is20(pointspersprint).Let's calculatetheteam'saveragevelocity(AV) periterationunit(storypointsperday)

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

BurndownChart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies suchas Scrum.However,burn down chartscanbe appliedto anyprojectcontainingmeasurableprogressover time.

https://www.visual-paradigm.com/scrum/scrum-burndown-

chart/https://www.atlassian.com/agile/tutorials/burndown-charts