Project Planning Phase

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

Sprint Delivery Plan

Date	22 OCTOBER 2022
Team ID	PNT2022TMID08469
Project Name	Smart Farmer-IOT Enabled Smart Farming Application
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Simulation creation and Python code development	USN-1	Connect Sensors Wi-fi Module with python code and pubsub python code.	2	High	Kuruba Ashok, Harsha Kumar,
Sprint-2	Connecting python code with IBM Watson platform and node-red work flow	USN-2	Creating device in the IBM Watson IoT platform, workflow for IoT scenarios using Node-Red	2	High	Gireesh Nag, Harsha Kumar.
Sprint-3	Creating MIT App Inventor and designing front end like username and password	USN-3	Developing an application for the Smart farmer project using MIT App Inventor	2	High	Kuruba Ashok, Thirupathi Reddy
Sprint-3	Developing the backend of the mit app using blocks	USN-3	Design the Modules and test the app	2	High	Kuruba Ashok, Gireesh Nag,
Sprint-4	Web UI	USN-4	To make the user to interact with software.	2	High	Kuruba Ashok' Harsha Kumar,

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	24 Oct 2022	29 Oct 2022	20	28 Oct 2022
Sprint-2	20	5 Days	31 Oct 2022	04 Nov 2022	20	03 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	4 Days	14 Nov 2022	17 Nov 2022	20	16 Nov 2022

Velocity:

Formula for Calculating Average Velocity of Sprint Duration

Average Velocity= Sprint Duration/Velocity

In Sprint-1 Average Velocity=20/6 =3.33

In Sprint-2 Average Velocity=20/5 =4

In Sprint-3 Average Velocity=20/6 =3.33

In Sprint-4 Average Velocity=20/4 =5

Burndown Chart: