Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID46404
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	Create And Configure IBM cloud Services	USN-1	In this we, create and configure the IBM cloud services which are being used in completing this project	8	High	U.Bragathishwari T.Abirami P.Lavanya K.Thilaga
Sprint-2	Develop A Python Script To Publish And Subscribe To IBM IoT platform	USN-2	In this we develop the python Script to publish the data and Subscribe the data from the IBM Watson IOT platform	8	High	U.Bragathishwai T.Abirami P.Lavanya K.Thilaga

Sprint-3	Build a Web Application using Node-RED Service	USN-3	In this we build a Web Application using Node RED ,configure the Node-Red and create APIs for communicating with mobile Application	5	Medium	U.Bragathishwari T.Abirami P.Lavanya K.Thilaga
Sprint-4	Develop A Mobile Application	USN-4	In this ,develop a mobile application using MIT app inventor	5	Medium	U.Bragathishwai T.Abirami P.Lavanya K.Thilaga

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	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)

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