Project Planning Phase

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

Date	**21 October 2022**
Team ID	**PNT2022TMID15940**
Project Name	**Smart Farmer –IOT Enabled 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	Create And Configure IBM cloud Services	USN-1	In this we, create and configure theIBM cloud services which are beingused in completing this project	8	High	Arun Kumar S Bharadwajaa B Inbatamizhan A Naveen Kumar M
Sprint-2	Develop A Python Script To Publish And SubscribeTo IBM IoT platform	USN-2	In this we develop the python Script to publish the data and Subscribe the data fromthe IBM Watson IOT platform	8	High	Arun Kumar S Bharadwajaa B Inbatamizhan A Naveen Kumar M

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	Arun Kumar S Bharadwajaa B Inbatamizhan A Naveen Kumar M
Sprint-4	Develop A Mobile Application	USN-4	In this ,develop a mobile application usingMIT app inventor	5	Medium	Arun Kumar S Bharadwajaa B Inbatamizhan A Naveen Kumar M

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

Sprint	Total Story Point	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on PlannedEnd Date)	Sprint ReleaseDate (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 (pointsper sprint). Let's calculate the team's average velocity (AV) per iteration unit (storypoints per day)

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

Burndown Chart: