Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID34125
Project Name	Project – 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	Celsia Threas .A, Mansa .R,Nimshia .S, Nandhini .M.M
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	Celsia Threas .A, Mansa .R,Nimshia .S, Nandhini .M.M
Sprint-3	Build a Web Application using Node-RED Service	USN-3	In this we build a Web Application using NodeRED ,configure the Node-Red and create APIs for communicating with mobile Application	5	Medium	Nandhini .M.M, Mansa .R, Nimshia .S

Sprint-4	Develop A Mobile Application	USN-4	In this ,develop a mobile application using MIT app inventor	5	Medium	Mansa .R, Nimshia .S, Celsia Threas. A

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)

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