ProjectPlanning Phase
Project Planning Template (Product Backlog, Sprint Planning,Stories,Storypoints)

Date	09November2022
TeamID	PNT2022TMID31713
ProjectName	Project–Smart Farmer – IoT based Smart Farming Application
MaximumMarks	8 Marks

ProductBacklog,SprintSchedule,andEstimation(4Marks)

Sprint	FunctionalRequirement (Epic)	User Story Number	UserStory/Task	Story Points	Priority	Team Members
Sprint-1	Software	USN-1	Creating account in IBM cloud ,IBM Watson IoT and Node-Red. Adding device in the IBM Watson IoT platform.	2	High	Aakash J, Samritha S, Dhevaki V, Janani S, Gowtham S
Sprint-2	Program	USN-2	Developing the Python code	2	High	AakashJ, Dhevaki V

Sprint-3	Web Application	USN-3	Develop an application for the Smart farmer project using Node-RED	2	High	Aakash J
Sprint-3	MITApp Inventor	USN-3	Develop an application for the Smart farmer project using MIT App Inventor	2	High	Samritha S, Aakash J
Sprint-4	WebUI	USN-4	To make the user to interact with the software	2	High	Samritha S, Aakash J

Project Tracker, Velocity &Burn down Chart:(4Marks)

Sprint	**Total Story Points**	**Duration**	**Sprint StartDate**	**Sprint EndDate(Planned)**	**Story PointsCompleted(as onPlanned EndDate)**	**Sprint Release Date(Actual)**
Sprint-1	20	7 Days	03 Nov 2022	09Nov2022	20	29Oct 2022
Sprint-2	20	9 Days	31Oct 2022	09Nov2022		05Oct 2022

Sprint-3	20	6 Days	06Nov2022	13Nov2022		12Oct 2022
Sprint-4	20	6 Days	09Nov2022	15Nov2022		15Oct 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)

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