Project Planning Phase

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

Date	15 November 2022
Team ID	PNT2022TMID47645
Project Name	Project – Smart Farmer- IoT basedSmart 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	Simulation creation	USN-1	Connect Sensors and Arduino withpython code	2	High	Sivansankar Raja L, Sri Nithin S
Sprint-2	Software	USN-2	Creating device in the IBM	2	High	Sivansankar Raja L,

			WatsonIoT platf orm,			Sri Nithin S,
			work			
			flow			
			for			
			IoT			
			scen			
			arios			
			using			
			Node			
			-Red			
						Shabesh U,

						Vijaya Prabhu

Sprint-3	MIT App Inventor	USN-3	Develop an application for theSmart farmer project using MITApp Inventor	2	High	Sivansankar Raja L

Sprint-	Dashboard	USN-	Design the	2	High	Shabesh
3		3	Modules and test			U,
			the app			Vijaya
						Prabhu
Sprint-	Web UI	USN-	To make the	2	High	Sivansankar
4		4	user to			Raja L,

			interact with			
			software.			
						Sri Nithin S,
						Shabesh U,
						Vijaya Prabhu

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	7 Days	30 Oct 2022	06 Nov 2022	20	29 Oct 2022
Sprint-2	20	9 Days	31 Oct 2022	09 Nov 2022		05 Oct 2022
Sprint-3	20	6 Days	06 Nov 2022	13 Nov 2022		12 Oct 2022
Sprint-4	20	6 Days	11 Nov 2022	17 Nov 2022		15 Oct 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 averagevelocity (AV) per iteration unit (story points per day)

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