Project Planning Phase

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

Date	18 November 2022
Team ID	PNT2022TMID43644
Project Name	Project – SmartFarmer – 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	10	High	AMALDAS K.K ABHISEAK NAYANA RESHMA
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password.	10	High	AMALDAS K.K ABHISEAK NAYANA RESHMA
Sprint-2	Cloud Services	USN-3	Creation of cloud services for collection and processing of data from the IoT devices.	20	High	AMALDAS K.K ABHISEAK NAYANA RESHMA
Sprint-3	Dashboard	USN-4	Creation of a web application to monitor the data from the field through cloud.	10	High	AMALDAS K.K ABHISEAK NAYANA RESHMA

Sprint-3	Mobile App	USN-5	Creation of a mobile application to integrate it with cloud services and fast SMS service.	10	High	AMALDAS K.K ABHISEAK NAYANA RESHMA
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-4	Setup and Installation of devices	USN-6	IoT devices will be installed in the field and the necessary setup will be done.	20	High	AMALDAS K.K ABHISEAK NAYANA RESHMA

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		29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		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)

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