

Project Planning Phase

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

Team ID	PNT2022TMID40121
Project Name	SMART FAR MING-IOT ENABLED SMART FARMING APPLICATION SYSTEM

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.	2	High	4
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	4
Sprint-1		USN-3	As a user, I can register for the application through cloud	2	Low	4
Sprint-1		USN-4	As a user, I am shown what I can do in the product so I know whether or not this product will fill my needs	2	Medium	4
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	4
Sprint-3	Dashboard	USN-6	As a user, I can see all the collected data in the dashboard	1	High	4

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	10 Days	29 Aug 2022	08 Sep 2022	20	17 Sep 2022
Sprint-2	20	10 Days	19 Sep 2022	29 Oct 2022	20	01 Oct 2022
Sprint-3	20	10 Days	03 Oct 2022	13 Oct 2022	20	15 Oct 2022
Sprint-4	20	6 Days	16 Oct 2022	22 Oct 2022	20	22 Oct 2022
Sprint-5	20	10 Days	24 Oct 2022	02 Nov 2002	20	19 Nov 2022

Velocity:

Imagine we have a 12-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)

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

BURNDOWN CHART:

