

Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID
Project Name	IoT Based Smart Crop Protection System for Agriculture
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.	2	High	Balaji
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Ragul
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Sriram
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Vaitheshwaran
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Arul Prakasam
Sprint-1	Dashboard	USN-6	As a user, I can log into the application by entering my email & password and access all the resources and services available	2	High	Arul Prakasam
Sprint-1	Login	USN-6	As a data controller, I log into my profile and start monitoring the data updates	3	High	Ragul
Sprint-1	Dashboard	USN-6	I receive all the information about farm from sensor. Whenever there is change in data, corresponding updates are given to customers.	2	Medium	Balaji
Sprint-1	Login	USN-6	As a data controller, I keep note of all the	3	High	

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			datas received from various areas by sensors and detect event in that particular area.			
Sprint-1	Dashboard	USN-6	With the change in data updates I inform the customer by giving notification.	2	Medium	Vaitheshwaran
Sprint-1	Login	USN-6	As a co administrator I ensure that the notification is given on the change of data.	3	High	Sriram
Sprint-1	Login	USN-6	As an administrator, I ensure that all departments work co-ordinated and ensure the accuracy and efficiency.	2	Medium	Arul Prakasam

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 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)

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