

Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID11064
Project Name	lot Based Smart Crop Protection System for Agriculture
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	NANDHINI N
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	NANDHINI N
Sprint-1	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	NANDHINI N
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	ROSHANA S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	ROSHANA S
Sprint-1	Dashboard	USN-6	As a user, I can log into the application by entering email & password and access all the resources and services available	2	High	ROSHANA S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Login	USN-1	As a smart crop protection user, I log into my profile and start monitoring the crop status	3	High	NANDHINI N
Sprint-2	Dashboard	USN-2	I receive all the information about crop, temperature and soil moisture.	2	Medium	PRIYANKA E
Sprint-3	Login	USN-1	As a data controller, I keep note of all the data received from various areas in the field and detect the problems in the crops.	3	High	NEHA MOHANAN
Sprint-3	Dashboard	USN-2	With the help of sensor it allows farmers to monitor the crops and protect the crops from various factors such as animals, birds, and then it also notices the appearance of dangerous weeds, pests or diseases timely.	2	Medium	NEHA MOHANAN
Sprint-4	Login	USN-1	As a zonal officer, I ensure the fields periodically by checking the devices and sensors and limit the evolution of pesticides.	3	High	PRIYANKA E
Sprint-4	Login	USN-1	As an administrator, I ensure that all departments work co-ordinated and ensure the accuracy and efficiency.	2	Medium	ROSHANA S

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	20	5 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)

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