

Project Planning Phase

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

Date	30 October 2022
Team ID	PNT2022TMID08036
Project Name	SmartFarmer-IoT enabled smartfarming 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 (Farmer Mobile User)	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Sujitha S
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Srimathi G
Sprint-2	User Interface	USN-3	As a user, I can register for the application through Facebook	3	Low	Srinidhi R
Sprint-1	Data Visualization	USN-4	As a user, I can register for the application through Gmail	2	Medium	Tamil Selvi D
Sprint-3	Registration (Farmer -Web User)	USN-1	As a user, I can log into the application by entering email & password	3	High	Sujitha S
Sprint-2	Login	USN - 2	As a registered user, I need to easily login log into my registered account via the web page in minimum time	3	High	Srimathi G
Sprint - 4	Web UI	USN - 3	As a user, I need to have a friendly user interface to easily view and access the resources	3	Medium	Srinidhi R
Sprint-1	Registration	USN - 1	As a new user, I want to first register using my organization email and create a password for the account.	2	High	Tamil Selvi D

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	15	20 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	16	20 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	17	20 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	19	20 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 for sprint 1= Sprint Duration /velocity =20/15=1

AV for sprint 2= Sprint Duration/Velocity=20/16=1

AV for Sprint 3=Sprint Duration/Velocity=20/17=1

AV for Sprint 4=Sprint Duration/Velocity=20/19=1

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

