

Project Planning Phase

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

Date	9 November 2022
Team ID	PNT2022TMID12899
Project Name	Fertilizers Recommendation System Using Disease Prediction
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.	5	High	Arthy, Madhu Preetha, Nandhini, Vijayashree
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Arthy, Madhu Preetha, Nandhini, Vijayashree
Sprint-2		USN-3	As a user, I can register for the application through mobile number	5	Low	Arthy, Madhu Preetha, Nandhini, Vijayashree
Sprint-1		USN-4	As a user, I can register for the application through Gmail	5	Medium	Arthy, Madhu Preetha, Nandhini, Vijayashree

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Arthy, Madhu Preetha, Nandhini, Vijayashree
Sprint-2	Dashboard	USN-6	As a user, I can access all my personal information which will be stored in my profile by using dashboard	5	Medium	Arthy, Madhu Preetha, Nandhini, Vijayashree
Sprint-3		USN-7	As a user, I can change my password	10	Low	Arthy, Madhu Preetha, Nandhini, Vijayashree
Sprint-4	Support	USN-8	As a user, I can get my help and support from help option	10	Medium	Arthy, Madhu Preetha, Nandhini, Vijayashree
Sprint-3	Landing Page	USD-9	As a user, I can see the free trials and subscription	10	High	Arthy, Madhu Preetha, Nandhini, Vijayashree
Sprint-4		USD-10	As a user, I can access the FAQ asked by other uses	10	Low	Arthy, Madhu Preetha, Nandhini, Vijayashree
Sprint-2	Prediction Page	USD-11	As a user, I can upload my sample plant image to known recommended fertilizers	10	High	Arthy, Madhu Preetha, Nandhini, Vijayashree

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	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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