

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

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
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
		USN-2	As a user, I can register for the application through Gmail	3	Low
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	5	High
Sprint-1	Dashboard	USN-4	As a user, I can view the diseases and appropriate fertilizers which have been discovered earlier for the farmers reference.	4	Medium
Sprint-1	Image upload	USN-5	As a user, I can upload a crop image to predict diseases and get fertilizer.	3	Low

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
Sprint-2	Registration	USN-6	As a user, I will receive confirmation email once I have registered for the application	6	High
Sprint-2	Login	USN-7	As a user, I can login via google account directly	3	Low
Sprint-2	Dashboard	USN-8	As a user, I can view the diseases and appropriate fertilizers with more details.	5	Medium
Sprint-2	Image upload	USN-9	As a user, I can upload crop images from various angles.	6	High
Sprint-3	Registration	USN-10	As a user, I can register for the application through Facebook	4	Low
Sprint-3	Dashboard	USN-11	As a user, I can view the dashboard with segregated tabs like fruit diseases and vegetable diseases.	8	High
Sprint-3	Image upload	USN-12	As a user, I can upload the images which will get preprocessed in the back end.	8	High
Sprint-4	Dashboard	USN-13	As a user, I can view the dashboard with various fertilizers available in the nearby market along with the procedure for using it.	10	High
Sprint-4	Image upload	USN-14	As a user, I can get the appropriate fertilizers for the disease predicted.	10	High

Project Tracker, Velocity & Burndown Chart:

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

Velocity:

Sprint 1 average velocity: Average velocity= $20/6 = 3.33$

Sprint 2 average velocity: Average velocity= $20/6 = 3.33$

Sprint 3 average velocity: Average velocity= $20/6 = 3.33$

Sprint 4 average velocity: Average velocity= $20/6 = 3.33$

Burndown chart:

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