

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID32673
Project Name	Fertilizers Recommendation System For Disease Prediction
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	Shreevatsan r,senthil kumaran j l,Santhosh s,yeshwanth a
Sprint-1	login	USN-2	As a user, I will login to my web app	1	High	Shreevatsan r,senthil kumaran j l,Santhosh s,yeshwanth a
Sprint-2	Uploading images	USN-3	As a user, I can upload the image of the crops and diseased leaf picture	2	Low	Shreevatsan r,senthil kumaran j l,Santhosh s,yeshwanth a
Sprint-1	Suggestion results	USN-4	As a user, I can get the suggestion about the fertilizer which going to be used	2	Medium	Shreevatsan r,senthil kumaran j l,Santhosh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						s,yeshwanth a
Sprint-1	Login	USN-5	As a admin, I can log into the application by entering email & password	4	High	Shreevatsan r,senthil kumaran j l,Santhosh s,yeshwanth a
	Dashboard		As a admin I can see other user details and their uploads for other purpose	4	High	Shreevatsan r,senthil kumaran j l,Santhosh s,yeshwanth a
Sprint-3	Login		As admin/shopkeeper I can log in to the application	1	Low	Shreevatsan r,senthil kumaran j l,Santhosh s,yeshwanth a
			I can view the previous history and results	3	High	Shreevatsan r,senthil kumaran j l,Santhosh s,yeshwanth a
Sprint-4	User dashboard		Ass a admin /shopkeeper can view all the details and element needed	3	high	Shreevatsan r,senthil kumaran j l,Santhosh s,yeshwanth a
	Integration		As a shopkeeper I can enter the fertilizer and other information to the web	4	medium	Shreevatsan r,senthil kumaran j l,Santhosh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						s,yeshwanth a

#### 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	10 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	15	20 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	30 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	15	30 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)

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

**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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>