

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID10907
Project Name	Project - Fertilizers Recommendation System For 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 in the application by providing my email, password, and confirming my password.	2	High	Sruthika
Sprint-1		USN-2	As a user, I will be acknowledged by receiving email or OTP after the successful registration.	1	Low	Yogaasri
Sprint-1		USN-3	I can access the application as a user by providing my email address and password.	2	High	Thivya priya
Sprint-2	Dashboard	USN-4	As a user, I can search up crop diseases.	1	Medium	Thivya Priya
Sprint-2	Dataset pre-processing	USN-5	Cleaning the dataset and pre-processing the data.	2	High	Prathibha
Sprint-2	Uploading	USN-6	As a user, I can upload the infected image or take a new one just inside the app.	2	High	Yogaasri
Sprint -2	Building model	USN-7	Both the fruit and vegetable datasets have distinct train and test models.	3	Medium	Sruthika
Sprint-3	Analysing the disease	USN-8	Accurate disease of the crop is identified using ML algorithm.	3	High	Prathibha
Sprint-3	Fertilizer suggestion	USN-9	The following are advised: fertilisers, symptoms, and preventive measures.	2	Medium	Thivya priya

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Alternate options	USN-10	As a user, I can see related diseases if the symptoms doesn't match.	2	Medium	Yogaasri
Sprint-4	Disease rate	USN-11	Disease rate can be predicted	2	Medium	Sruthika
Sprint-4	Sharing options	USN_12	As a user, I can share the condition of my crop to other farmer.	1	Low	Prathibha

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	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	7 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	14 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	21 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)

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

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>



