

Project Planning Phase

Project Planning Template

Date	27 October 2023
Team ID	Team-592472
Project Name	Potato Disease Classification
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	Disease Classification	USN-1	As a user, I can upload images of potato plants affected by various diseases for classification.	3	High	P.JAYANTH REDDY
Sprint-1	Disease Classification	USN-2	As a user, I can view the predicted disease class and its probability for the uploaded potato plant image.	2	High	D.SASHI VARMA
Sprint-2	Disease Classification	USN-3	As a user, I can access historical data and analysis of previously classified potato diseases.	2	Medium	M.MUKUL SATYA DEVAN
Sprint-2	Disease Classification	USN-4	As a user, I can provide feedback on the accuracy of the disease classification for continuous model improvement.	1	Medium	N.DEVI SAI VARAPRASAD
Sprint-3	Disease Classification	USN-5	As a user, I can receive recommendations for disease management strategies based on the classified potato disease.	3	Low	

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	5 Days	22 Oct 2022	26 Oct 2022	20	26 Oct 2022
Sprint-2	20	5 Days	22 Oct 2022	26 Oct 2022	20	26 Oct 2022
Sprint-3	20	5 Days	22 Oct 2022	26 Oct 2022	20	26 Oct 2022
Sprint-4	20	5 Days	22 Oct 2022	26 Oct 2022	20	26 Oct 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)

$$AV = \text{sprint duration} / \text{velocity} = 80/4 = 20$$

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>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

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

