

## Project Planning Phase

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

Date	27 October 2023
Team ID	Team - 592909
Project Name	Potato Disease Classification
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	Disease Classification	USN-1	As a user, I can give images of affected potato leafs for classification of disease.	3	High	Pittam Harika
Sprint-1	Disease Classification	USN-2	As a user, I can get the information of the predicted disease class and its probability for that image.	2	High	Mummadi Nripesh Reddy
Sprint-2	Disease Classification	USN-3	As a user, I can have the access to view the history of data and analysis of previous disease classifications.	2	Medium	Mukkamalla Tarunika

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	
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	23 Oct 2023	27 Oct 2023	20	27 Oct 2023
Sprint-2	20	5 Days	23 Oct 2023	27 Oct 2023	20	27 Oct 2023
Sprint-3	20	5 Days	23 Oct 2023	27 Oct 2023	20	27 Oct 2023
Sprint-4	20	5 Days	23 Oct 2023	27 Oct 2023	20	27 Oct 2023

#### Velocity:

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>