

Project Planning Phase

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

Date	7 November 2023
Team ID	592104
Project Name	Project - Safeguarding Agriculture: AI-Enabled Prognostication of Farm Insect Threats
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-3	Home	USN-1	As a user, I can open the application and access its services through a web app.	2	High	Aakash Bhowmick
Sprint-3		USN-2	As a user, I will have a simple user interface that will allow me to understand and enjoy the services with ease.	1	Medium	Saptarshi Mukherjee
Sprint-1	Predict	USN-3	As a user, I will be able upload an image of an insect and it will help me identify it.	2	High	Supratik Pal

Sprint-1		USN-4	As a user, I will be able to get more details about the uploaded insect's image.	2	Medium	Supratik Pal and Subhradip Bodhak
Sprint-2		USN-5	As a user, I will be able to know about some insecticides that will be effective against the predicted insect.	1	High	Subhradip Bodhak

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	03 Nov 2023	08 Nov 2023	20	9 Nov 2023
Sprint-2	20	6 Days	09 Nov 2023	14 Nov 2023	20	15 Nov 2023
Sprint-3	20	6 Days	15 Nov 2023	20 Nov 2023	20	21 Nov 2023

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.

Burndown Chart

