Project Planning Phase

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

Date	09 November 2022
Team ID	PNT2022TMID01288
Project Name	Project - 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 sign up and register respective sites to access the required details and data. And import the required libraries for the processes.	2	High	Gokul.N Akashdeep.V Giridharan.L Gokulan.N
Sprint-2	Login	USN-2	As a user, I will access the page and test and train the CNN model to predict or detect the plant disease.	2	High	Gokul.N Akashdeep.V Giridharan.L Gokulan.N
Sprint-3	Customer Service	USN-3	As a customer care executive , I am available to the customers . so if the customers have any issues or in need of any assistance they will get help and solve them.	1	Medium	Gokul.N Akashdeep.V Giridharan.L Gokulan.N
Sprint-4	Dashboard	USN-4	As a user, I will have the access to know about the activities in the plant.	2	High	Gokul.N Akashdeep.V Giridharan.L Gokulan.N

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	04 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		09 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		12 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)

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

AV:

Sprint 1 = 20/6= 3.33,

Sprint 2 = 20/6= 3.33,

Sprint 3 = 20/6= 3.33,

Sprint 4 = 20/6= 3.33.

Burndown Chart:

A burndown 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.