Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID13660
Project Name	Project – Fertilizer 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	Collecting plant disease dataset	2	High	Keerthika
Sprint-1		USN-2	Labelling the dataset according to class	1	High	Sugunadevi
Sprint-2	Testing training and creating a model	USN-3	Start initiating the model	2	Low	Suruthika
Sprint-1		USN-4	Adding different layers of CNN (convolution, pooling dense, flatten)	2	Medium	Vinitha
Sprint-1		USN-5	Training the data	1	High	Keerthika,Vinitha
Sprint-3			Testing the data	1	Medium	Sugunadevi
Sprint-3	Flask and framework design		Creating backend framework with flask	2	High	Keerthika,Sugunadevi, Vinitha,Suruthika
Sprint-4			Predicting disease and recommend fertilizer	2	High	Keerthika,Sugunadevi, Vinitha,Suruthika

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	3 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	10 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 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)

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

BURNDOWN CHART: