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

Date	18 October 2022
Team ID	PNT2022TMID12522
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	8

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement	User Story Number (USN)	User Story/Task	Story Points	Priority	Team Members
Sprint-1	Pre-processing	USN-2	As an administrator, I should collect the data and pre-process the data.	4	High	Koushik Balaji P, Rajeev G
Sprint-2	Model Building	USN-3	As an administrator, I should initialize model, add CNN layers, add dense layers, then train the model and save the results.	5	High	Lohith Sowmiyan P S, Sairam Vaidhya M
Sprint-3	Homepage	USN-1	From the user perspective, I can view the homepage.	4	Medium	Koushik Balaji P, Rajeev G
Sprint-3	Prediction page	USN-4	As a User, I should be able to see through the results of the prediction.	7	High	Rajeev G, Sairam Vaidhya M
Sprint-4	Cloud Deploy	USN-5	As an administrator, I must ensure that the web application is hosted on a cloud server and handles traffic well.	8	High	Koushik Balaji P, Lohith Sowmiyan P S

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed	Sprint Release Date
Sprint-1	20	5 Days	26 Oct 2020	30 Nov 2020	20	30 Nov 2020
Sprint-2	20	5 Days	1 Nov 2020	5 Nov 2020	20	5 Nov 2020
Sprint-3	20	5 Days	8 Nov 2020	12 Nov 2020	20	12 Nov 2020
Sprint-4	20	5 Days	14 Nov 2020	18 Nov 2020	20	18 Nov 2020

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)

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