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

Date	31 October 2022
Team ID	PNT2022TMID53297
Project Name	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	Image Processing	USN-1	As a user, I can retrieve information about the image	1	Low	Navaneethakrishnan
Sprint-2	Model Building for Fruit Disease Prediction	USN-2	As a user, I can predict the fruit disease using the model	4	Medium	Iswarya, Navaneethakrishnan
Sprint-2	Model Building for Vegetable Disease Prediction	USN-3	As a user, I can predict the vegetable disease using the model	4	Medium	Iswarya, Sabarivasan
Sprint-3	Disease Prediction in application	USN-4	As a user, I can use the application to predict the disease	4	Medium	Santhosh, Sabarivasan
Sprint-3	Crop Suggestion	USN-5	As a user, I can use application to find a suitable crop for the soil	1	Low	Sabarivasan
Sprint-3	Fertilizer Suggestion	USN-6	As a user, I can use the application to find suitable fertilizer to grow healthy crop	1	Low	Iswarya
Sprint-3	Nearby Fertilizer Shop	USN-7	As a user, I can view nearby fertilizer shops in map	1	Low	Santhosh
Sprint-4	Train Model on IBM Cloud	USN-8	As a user, I can save the information about Fertilizer and crops on IBM Cloud	4	High	Santhosh, Iswarya, Navaneethakrishnan, Sabarivasan

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	1	
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	8	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	7	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	4	

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: