

## PROJECT PLANNING PHASE

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

<b>Date</b>	12 NOVEMBER 2022
<b>Team ID</b>	PNT2022TMID21138
<b>Project Name</b>	FERTILIZERS RECOMMENDATION SYSTEM FOR DISEASE PREDICTION

### Product Backlog, Sprint Schedule, and Estimation :

Use the below template to create product backlog and sprint schedule

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint- 1	Data collection	USN-1	Collect and create the data set related to the objective	10	High	P.Rahul
Sprint- 1	Image processing	USN-2	Process the images	10	High	M.ArunKumar
Sprint- 2	Model Building for fruit disease prediction	USN-3	Import libraries	2	Low	M.Kannan
Sprint- 2	Model Building for fruit disease prediction	USN-4	Initializing the model	2	Low	P.Rahul
Sprint- 2	Model Building for fruit disease prediction	USN-5	Adding layers	2	Low	M.ArunKumar
Sprint- 2	Model Building for fruit disease prediction	USN-6	Train and save the model for fruits	7	High	B.Nithish
Sprint- 2	Model Building for fruit disease prediction	USN-7	Train and save the model for vegetable	7	High	M.Kannan

Sprint- 3	Test both model	USN-8	Testing the built model	5	Medium	M.ArunKumar
Sprint- 4	Application building	USN-9	Build python code	5	Medium	B.Nithish
Sprint- 4	Application building	USN-10	Build HTML code	5	Medium	P.Rahul
Sprint- 4	Application building	USN-11	Run the code	10	High	M.Kannan
Sprint- 3	Train the model on IBM	USN-12	Register cloud account	5	Medium	M.ArunKumar
Sprint- 3	Train the model on IBM	USN-13	Train the model on IBM	10	High	P.Rahul

### Project Tracker, Velocity & Burndown Chart:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed(as on Planned End Date)	Sprint ReleaseDate (Actual)
Sprint-1	20	9 Days	21 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	10 Days	31 Oct 2022	9 Nov 2022	20	09 Nov 2022
Sprint-3	20	6 Days	10 Nov 2022	15 Nov 2022	20	15 Nov 2022
Sprint-4	20	8 Days	16 Nov 2022	23 Nov 2022	20	23 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)

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

### Burn down chart:

