

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID23348
Project Name	Estimate The Crop Yield Using Data Analytics
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	Working with dataset (Removal of outliers etc)	USN-1	Providing dataset with all the required components.	2	High	Mahalakshmi V Mahalakshmi L Keerthana C Ramya V S
Sprint-1	Visualizing the data (Top 10 states with most area)	USN-2	Ensuring that the required fields for visualizing the given dataset are provided by us.	1	High	Mahalakshmi V Mahalakshmi L Keerthana C Ramya V S
Sprint-2	Dashboard creation	USN-3	Make use of the dashboard to see the results of the crop production in respective areas.	2	Low	Mahalakshmi V Mahalakshmi L Keerthana C Ramya V S
Sprint-1	Export the analytics	USN-4	The dashboard is shared as mail or link or pdf such that crop production results can be displayed to others.	2	Medium	Mahalakshmi V Mahalakshmi L Keerthana C Ramya V S

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

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

