

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID39697
Project Name	Project -Exploratory analysis of Rainfall data in India for Agriculture
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	As a user, I can register for the application by entering my email, password and confirming	5	High	Naveenkumar, Venkatesh, Vignesh,
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Naveenkumar, Venkatesh, Vignesh,
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	3	Low	Naveenkumar, Venkatesh, Vignesh,
Sprint-2	pRegistration	USN-4	As a user, I can register for the application through Facebook	4	Low	Naveenkumar, Venkatesh, Vignesh,

<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	Login	USN-5	As a user, I can log into the application by entering email&password	3	High	Naveenkumar, Venkatesh,
Sprint-3	Dashboard	USN-6	As a user,I can view the details about the system and can navigate through the pages	5	High	Naveenkumar, Vignesh, .
Sprint-4	Prediction	USN-7	As a user,I can enter the location and get the prediction results for that particular location	5	High	Naveenkumar, Vignesh, .
Sprint-3	NEWS	USN-8	As a user,i can view latest news articles related to agriculture	3	Medium	Naveenkumar, Venkatesh
Sprint-4	Chatbot	USN-9	As a user, i can interact with chatbot to as queries	3	low	Raja rajan.
Sprint-4	Feedback	USN-10	As a user, I can give my feedbacks about the predictions rates, user interface and if any issue to be solved	5	High	Raja rajan.

**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	10	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	7	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	13	6 Days	14 Nov 2022	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)

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

Sprint	Average velocity
Sprint-1	1.67
Sprint-2	1.17
Sprint-3	1.33
Sprint-4	2.17

## Burndown Chart:

