

## Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID30162
Project Name	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 using email & password	5	High	Iniyavan I K
Sprint-2		USN-2	As a user, I can register using Gmail	2	Medium	Megasdhanishwar S
Sprint-1		USN-3	As a user, I will receive confirmation email once I have registered for the application	1	Low	Iniyavan I K
	Login	USN-4	As a user, I can login to my dashboard through email id and password	3	High	Arun Kumar K
	Dashboard	USN-5	I can access my account details on dashboard	1	Low	Megasdhanishwar S
Sprint-2	Prediction Model	USN-6	I can input values for a sample prediction once I enter into the dashboard	6	High	Karthikeyan S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-7	I can input values via excel sheet for multiple sample prediction as per the template and perform prediction	7	Medium	Megasdhanishwar S
	Report Generation	USN-8	As a user I can view the detailed report of my prediction	3	High	Arun Kumar K
Sprint-4	RestAPI	USN-9	I can use API Token to send request to the server as a developer	3	Low	Megasdhanishwar S
	Documentation	USN-10	As a user I can refer to the documentation and user manual for support and guidance	4	High	Karthikeyan S
		USN-11	As a developer, I can refer to technical Documentation for understanding the application flow	6	Medium	Iniyavan I K

#### 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	8	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	10	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)

Sprint	Average Velocity
Sprint 1	1.67
Sprint 2	1.33
Sprint 3	1.67
Sprint 4	2.17

**Total Average Velocity = 1.71**

## Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

