

## Project Planning Phase

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

Date	11 November 2022
Team ID	PNT2022TMID30075
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 Register For the Application by Entering My Email, Password, and Confirming My Password.	2	High	KarthiK.M, Khadeer.B, Pavithkumar.M, Srikanth.R.
Sprint-1		USN-2	As a User, I Will Receive Confirmation Email Once I Have Registered For the Application.	1	High	KarthiK.M, Khadeer.B, Pavithkumar.M, Srikanth.R.
Sprint-2		USN-3	As a User, I Can Register For the Application Through Facebook And Social Media.	2	Low	KarthiK.M, Khadeer.B, Pavithkumar.M, Srikanth.R.
Sprint-1		USN-4	As a User, I Can Register For The Application Through Gmail.	2	Medium	KarthiK.M, Khadeer.B, Pavithkumar.M, Srikanth.R.
Sprint-1	Login	USN-5	As a User, I Can Log Into the Application by Entering Email & Password.	1	High	KarthiK.M, Khadeer.B, Pavithkumar.M, Srikanth.R.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dashboard	USN-6	Describe How a User Should Interact With the System.	1	High	KarthiK.M, Khadeer.B, Pavithkumar.M, Srikanth.R.
Sprint-2	Educational Qualification	USN-7	Act As a Link-Man Between a Company.	2	Medium	KarthiK.M, Khadeer.B, Pavithkumar.M, Srikanth.R.
Sprint-1	Input & Output	USN-8	Administrator Can Get User Requirements Input & Output	2	High	KarthiK.M, Khadeer.B, Pavithkumar.M, Srikanth.R.

#### 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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	06 Nov 2022	11 Nov 2022		
Sprint-4	20	6 Days	13 Nov 2022	18 Nov 2022		

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)

### 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)

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

### 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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

**Reference:**

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>