

## Project Planning Phase

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

Date	11 November 2022
Team ID	PNT2022TMID30068
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	Dinesh Kumar.N, Venkateshwaran.R, Arun Kumar.A, Vignash.R.A, Manoj.S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Dinesh Kumar.N, Venkateshwaran.R, Arun Kumar.A, Vignash.R.A, Manoj.S
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Dinesh Kumar.N, Venkateshwaran.R, Arun Kumar.A, Vignash.R.A, Manoj.S
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Dinesh Kumar.N, Venkateshwaran.R, Arun Kumar.A, Vignash.R.A, Manoj.S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Dinesh Kumar.N, Venkateshwaran.R, Arun Kumar.A, Vignash.R.A, Manoj.S
Sprint-1	Dashboard	USN-6	Describe how a user should interact with the system	1	High	Dinesh Kumar.N, Venkateshwaran.R, Arun Kumar.A, Vignash.R.A, Manoj.S
Sprint-2	Educational Qualification	USN-7	act as a link-man between a company	2	Medium	Dinesh Kumar.N, Venkateshwaran.R, Arun Kumar.A, Vignash.R.A, Manoj.S
Sprint-1	Input & Output	USN-8	Administrator can get user requirements Input & Output	2	High	Dinesh Kumar.N, Venkateshwaran.R, Arun Kumar.A, Vignash.R.A, Manoj.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	20	19NOV 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		19NOV 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)
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		19NOV 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19NOV 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)

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

### 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>