

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

Date	22 October 2022
Team ID	PNT2022TMID05406
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	Rainfall Prediction ML Model (Dataset)	USN-1	Weather Dataset Collection, Data preprocessing, Data Visualization.	5	High	Akshaya S M, Anusiya C
Sprint-1		USN-2	Train Model using Different machine learning Algorithms	5	High	Deepthi Sree S, Janani M
Sprint-1		USN-3	Test the model and give best	10	High	Akshaya S M, Deepthi Sree S
Sprint-2	Registration	USN-4	As a user, they can register for the application through Gmail. Password is set up.	5	Medium	Anusiya C, Janani M
Sprint-2	Login	USN-5	As a user, they can log into the application by entering email &	5	Medium	Anusiya C, Janani M

			password			
Sprint-2		USN-6	Credentials should be used for multiplesystems and verified	4	Medium	Akshaya S M, Deepthi Sree S
Sprint-2	Dashboard	USN-7	Attractive dashboard forecasting live weather	6	Low	Akshaya S M, Deepthi Sree S
Sprint-3	Rainfall Prediction	USN-8	User enter the location, temperature, humidity	1 0	High	Akshaya S M, Janani M
Sprint-3		USN-9	Predict the rainfall and display the result	1 0	High	Anusiya C, Deepthi Sree S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Testing	USN-10	Test the application	10	High	Akshaya S M, Janani M
Sprint-4	Deploy Model	USN-11	Deploy the model in IBM cloud to make userfriendly application	10	High	Akshaya S M, Janani M

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	21Oct 2022	27 Nov 2022	20	27 Nov 2022
Sprint-2	20	6 Days	28 Oct 2022	4 Nov 2022	20	4 Nov 2022
Sprint-3	20	6 Days	5 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 5-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)

$$AV = \text{Sprint duration} / \text{Velocity} = 20 / 5 = 4$$

$$\text{Total Average Velocity} = 4$$

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.

Tool : Jira Software

