Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID47681
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 my password.	3	High	Sulfa
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Seyed Rasiyammal
Sprint-1		USN-3	As a user, I can register for the application through LinkedIn	1	Low	Preethika
Sprint-1		USN-4	As a user, I can register for the application through Form	2	Medium	Afrin Shahnaj
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	2	High	Sulfa
Sprint-1	Dashboard	USN-6	As a user , I can view the details about the page and navigate through the entire pages	1	Medium	Seyed Rasiyammal
Sprint-1	Prediction	USN-7	User can search for the area / place where the user wants to know the prediction of rainfall .	2	High	Preethika
		USN-8	The prediction or analysis for the desired region for the future or past events respectively	2	Medium	Afrin Shahnaj

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-9	User can see the visualization of the rainfall data for the specific region in INDIA for a specified time period.	2	Medium	Sulfa
		USN-10	Remote Sensing data is a powerful tool for Estimating crop yield	1	Low	Afrin Shahnaj
Sprint-2	News	USN-11	User can view the latest news articles related to agriculture	7	HIgh	Preethika
Sprint-2		USN-12	User can change his/her password and can view the account details and search history	7	High	Seyed Rasiyammal
Sprint-3	Support	USN-13	User can ask queries about the system.	5	High	Sulfa
Sprint-3	Support(Customer care executive)	USN-14	The team must analyse all the queries and debug it in the next update.	5	HIgh	Seyed Rasiyammal
		USN-15	User can give the feedback on the accuracy of the prediction and on the user interface	4	High	Preethika
Sprint-4	Core Function	USN-16	Design and develop the application in such a way that the best user interface and maintenance should be taken care of	5	High	Afrin Shahnaj
		USN-17	The updates should be on time with the solutions of the raised querie	4	High	Seyed Rasiyammal
		USN-18	He website is responsive on all the devices and the screen sizes. User experience should be good irrespective of the devices or platforms.	5	High	Sulfa

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	19	6 Days	24 Oct 2022	31 Oct 2022	---	31 Oct 2022
Sprint-2	14	6 Days	31 Oct 2022	05 Nov 2022	---	05 Nov 2022
Sprint-3	14	6 Days	07 Nov 2022	12 Nov 2022	---	12 Nov 2022
Sprint-4	14	6 Days	14 Nov 2022	19 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)

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

Sprint-1:

AV = 19/6 = 3.16

Sprint-2:

AV = 14/6 = 2.33

Sprint-3:

AV = 14/6 = 2.33

Sprint-4:

AV = 14/6 = 2.33

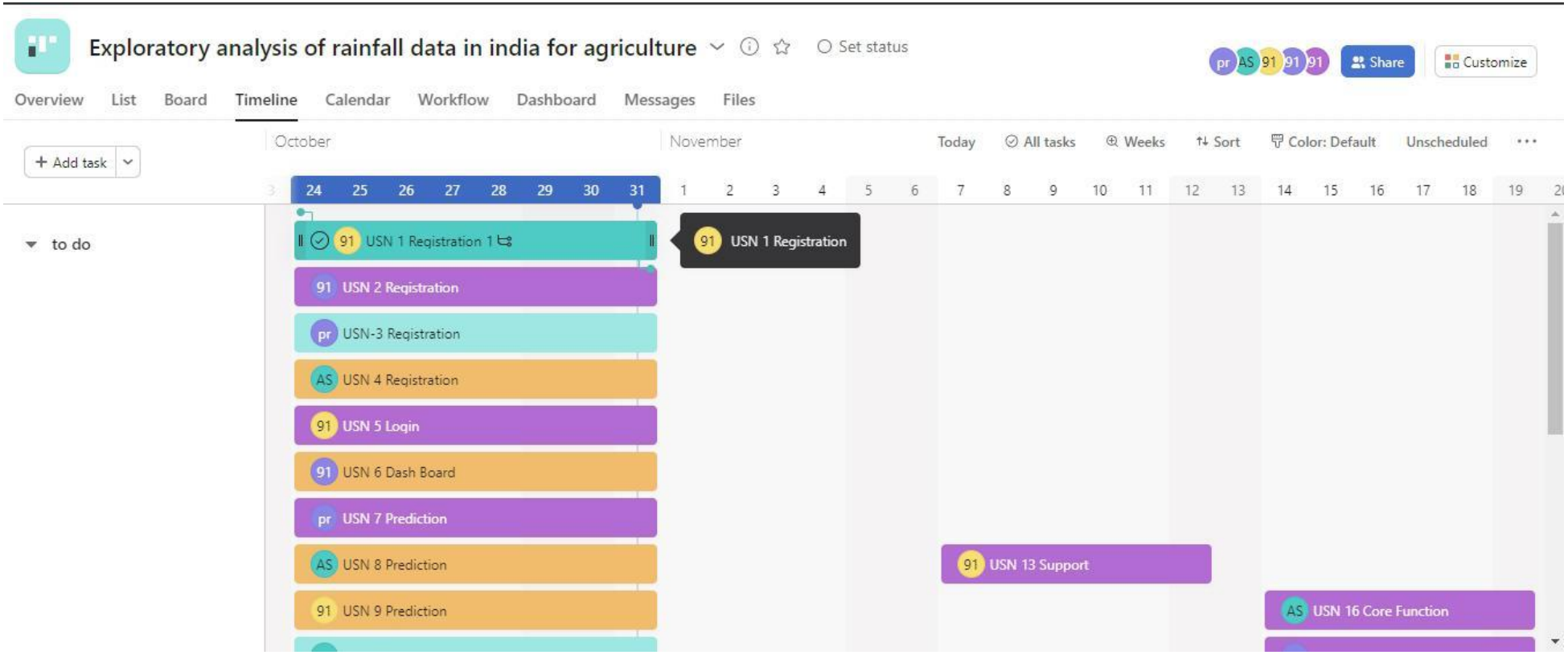
Burndown Chart:

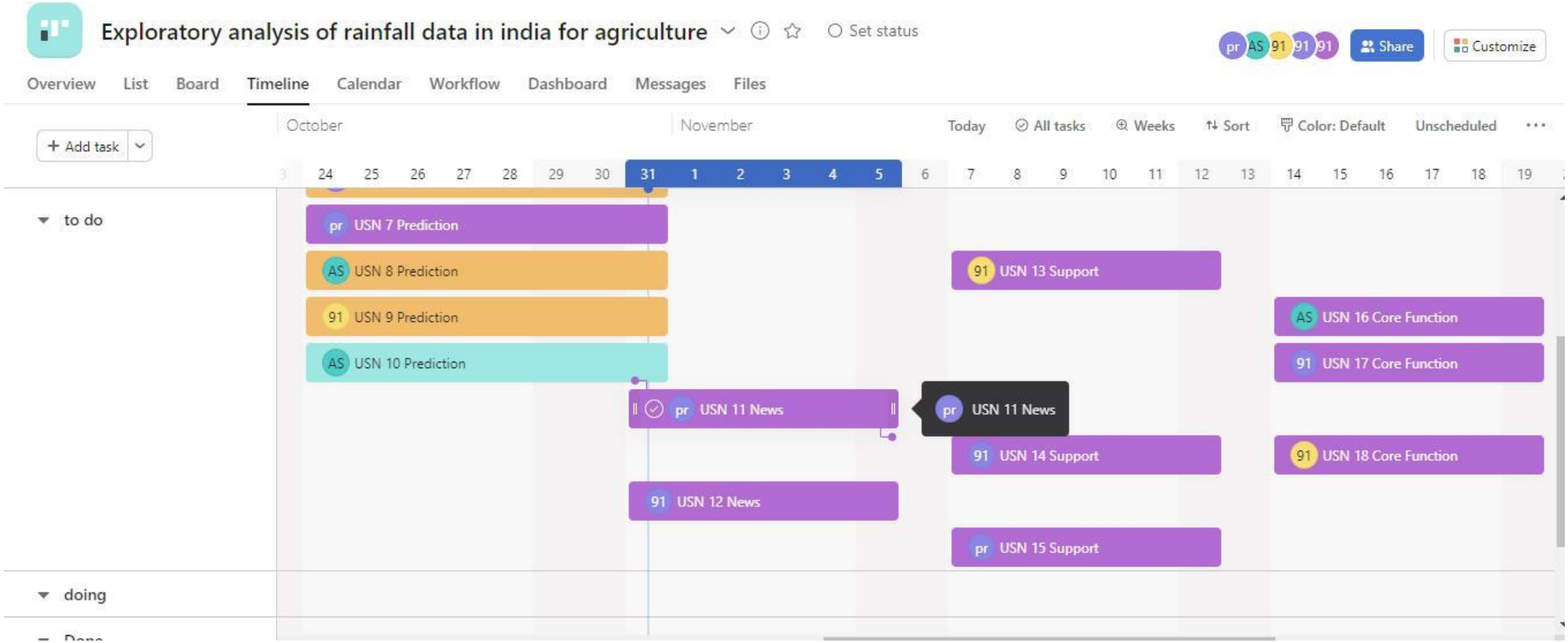
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

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

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

Roadmap & Timeline:





Reference:

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

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

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