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

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:**
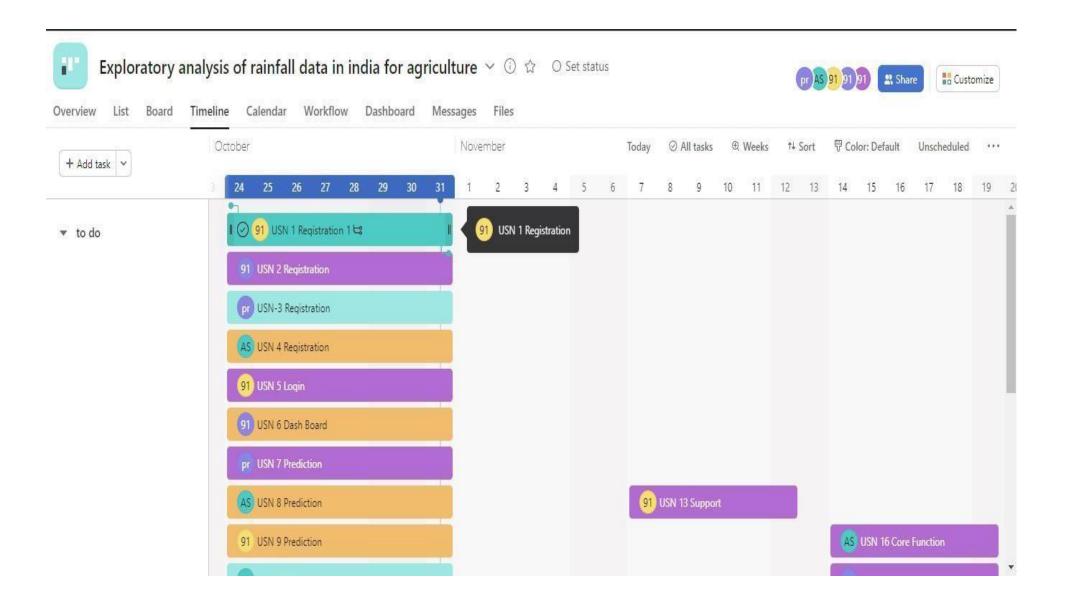
$$AV = 14/6 = 2.33$$ **Sprint-4:**

$$AV = 14/6 = 2.33$$

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**
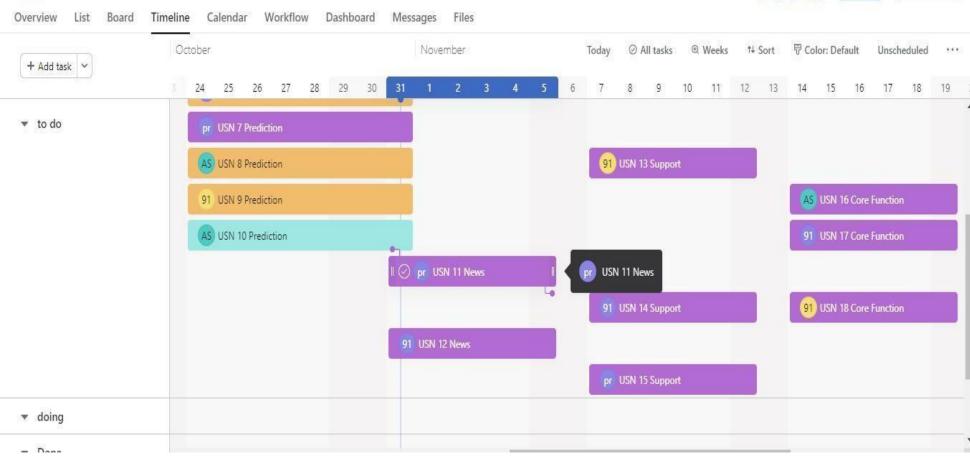
Roadmap & Timeline: **Tool1:Asana**

Exploratory analysis of rainfall data in india for agriculture ⌄ ⓘ ☆ ○ Set status

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Overview | List | Board | **Timeline** | Calendar | Workflow | Dashboard | Messages | Files

| October | November | Today | ⊘ All tasks | ⊕ Weeks | ↑↓ Sort | ⊟ Color: Default | Unscheduled | ···

+ Add task ⌄

| 3 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | **31** | **1** | **2** | **3** | **4** | **5** | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |

▼ to do

pr USN 7 Prediction

AS USN 8 Prediction

91 USN 9 Prediction

AS USN 10 Prediction

‖ ⊘ pr USN 11 News ‖   pr USN 11 News

91 USN 13 Support

AS USN 16 Core Function

91 USN 17 Core Function

91 USN 14 Support

91 USN 18 Core Function

91 USN 12 News

pr USN 15 Support

▼ doing

▼ Done

Tool 2 :Jira Software

Sprints			OCT								NOV							NOV							NOV				
	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

- ∨ ⚡ US-1 Registration
  - ☑ US-2 USN -1 — IN PROGRESS
  - ☑ US-3 USN-2 — IN PROGRESS
  - ☑ US-4 USN-3 — IN PROGRESS
  - ☑ US-5 USN-4 — IN PROGRESS
- ∨ ⚡ US-6 Login
  - ☑ US-7 USN-5 — IN PROGRESS
- ∨ ⚡ US-8 Dashboard
  - ☑ US-9 USN-6 — IN PROGRESS
- ∨ ⚡ US-10 Prediction
  - ☑ US-11 USN-7 — IN PROGRESS
  - ☑ US-12 USN-8 — IN PROGRESS
  - ☑ US-13 USN-9 — IN PROGRESS
  - ☑ US-14 USN-10 — IN PROGRESS

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/sprints

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

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