

Project Planning - [Milestone, Activity List & Sprint Delivery Plan]

Date	09.November.2022
Team ID	PNT2022IMID20835
Project Name	Exploratory Analysis of RainFall Data in India for Agriculture
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement [Epic]	User Story Number	User Story / Task / Activity	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	User can register for the application by entering his or her email, password, and confirming the password	5	High	Vivekanandhan, Soumen
Sprint-1		USN-2	User will receive confirmation email or message once registered for the application	3	High	Rakesh, Sudharsan
Sprint-1		USN-3	Validation of the user can be done directly using email or OTP	2	Medium	Rakesh, Soumen
Sprint-1	Login	USN-4	Enter the username and password to login to the application	2	High	Rakesh, Sudharsan, Soumen
Sprint-1		USN-5	The existing credentials should be used for login on multiple systems	1	Medium	Sudharsan, Vivekanandhan
Sprint-1	Dashboard	USN-6	User can search for the region where he/she wants to know the prediction of rainfall	5	High	Vivekanandhan, Rakesh, Soumen

Sprint	Functional Requirement [Epic]	User Story Number	User Story / Task / Activity	Story Points	Priority	Team Members
Sprint-2		USN-7	User can view the visualization of the rainfall data for a specific region in India or for a specific time period	3	Medium	Vivekanandhan, Soumen
Sprint-2		USN-8	User can change his/her password and can view the account details and search history	5	High	Vivekanandhan, Soumen, Rakesh
Sprint-2		USN-9	The prediction or analysis request can be asked for the desired region for future or past events respectively	8	High	Sudharsan, Rakesh, Soumen
Sprint-3		USN-10	User can give the feedback on the accuracy of the prediction and on the user interface	5	High	Vivekanandhan, Rakesh
Sprint-3	Support	USN-11	Responds to user queries via telephone, email etc.	2	Medium	Sudharsan, Rakesh
Sprint-3		USN-12	The team must analyze all the queries and try to debug and make plans so that such queries wouldn't be raised again	1	Low	Sudharsan, Soumen
Sprint-3		USN-13	Organize for a FAQ session where commonly asked doubts can be redressed by the team	1	Low	Rakesh, Vivekanandhan
Sprint-3		USN-14	The team must respond immediately to the queries based on the priority	5	High	Rakesh, Sudharsan
Sprint-4	Core Function	USN-13	Design, develop the application in such a way that the best user interface and maintenance should be taken care of	8	High	Vivekanandhan, Soumen
Sprint-4		USN-14	The website is responsive on all the devices and the screen sizes	2	Medium	Vivekanandhan, Rakesh, Sudharsan
Sprint-4		USN-15	The updates should be on time with the solutions of the raised queries	5	High	Rakesh, Sudharsan

Project Tracker, Velocity & Burndown Chart:

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	18	6 Days	24 Oct 2022	29 Oct 2022	---	29 Oct 2022
Sprint-2	16	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	15	6 Days	14 Nov 2022	19 Nov 2022	---	19 Nov 2022

Velocity:

$$\text{Average Sprint Velocity [estimated to be ideal]} = \frac{\text{Story points to be completed out of all user stories}}{\text{Total number of Sprints}} = \frac{63}{4} = 15.75$$

Therefore, the amount of work to be done on each sprint is an average of 15.75 story points.

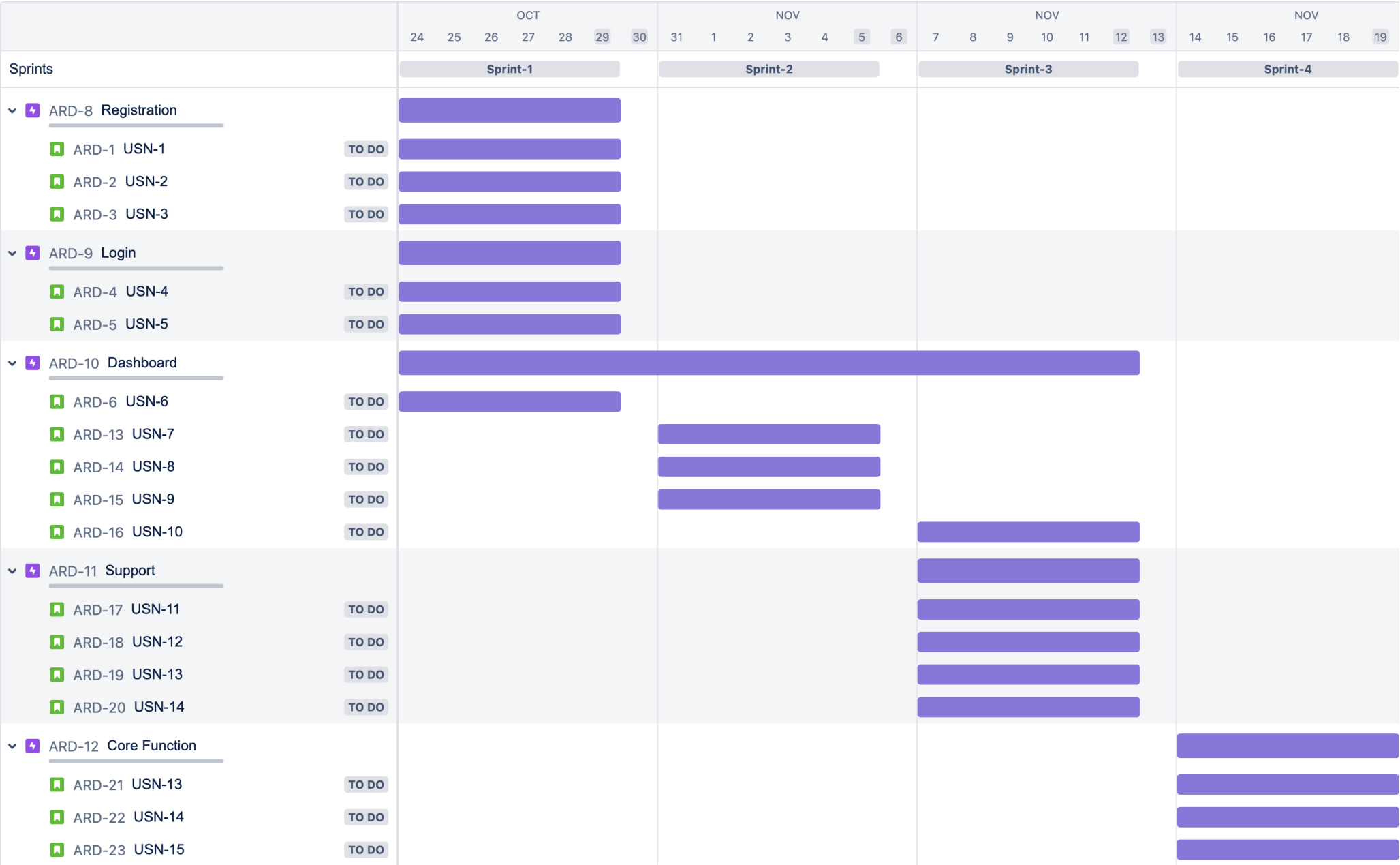
Burndown Chart:

Project progress made till now over time is not measurable under the burnout chart. The chart would be updated later based on the completion of each sprint.

Roadmap & Timeline:

Total Tools Used: 02

Tool used: **JIRA Software**



Exploratory Analysis on RainFall Data for Agriculture in India

Set status

Overview

List

Board

Timeline

Calendar

Workflow

Dashboard

Messages

Files

+ Add task

October

November

Today

All tasks

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

▼ To do

USN-1

USN-7

USN-14

USN-13

USN-15

USN-14

USN-13

USN-10

USN-12

USN-11

USN-9

USN-8

USN-6

USN-5

USN-4

USN-2

USN-3