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

Date	21 October 2022
Team ID	PNT2022TMID16670
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	Brindha,Jeevitha
Sprint-1		USN-2	User will receive confirmation email or message once registered for the application	3	High	Divya Darshini,Packiya Pratheeba
Sprint-1		USN-3	Validation of the user can be done directly using email or OTP	2	Medium	Brindha,Divya Darshini
Sprint-1	Login	USN-4	Enter the username and password to login to the application	2	High	Jeevitha,Packiya Pratheeba
Sprint-1		USN-5	The existing credentials should be used for login on multiple systems	1	Medium	Brindha,Packiya pratheeba
Sprint-1	Dashboard	USN-6	User can search for the region where he/she wants to know the prediction of rainfall	5	High	Jeevitha,Divya Darshini

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	Brindha,Jeevitha
Sprint-2		USN-8	User can change his/her password and can view the account details and search history	5	High	DivyaDarshini, Packiya Pratheeba
Sprint-2		USN-9	The prediction or analysis request can be asked for the desired region for future or past events respectively	8	High	Brindha,Divya Darshini
Sprint-3		USN-10	User can give the feedback on the accuracy of the prediction and on the user interface	5	High	Jeevitha,Packiya Pratheeba
Sprint-3	Support	USN-11	Responds to user queries via telephone, email etc.	2	Medium	Brindha,Packiya pratheeba
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	Jeevitha,Divya Darshini
Sprint-3		USN-13	Organize for a FAQ session where commonly asked doubts can be redressed by the team	1	Low	Brindha,Jeevitha
Sprint-3		USN-14	The team must respond immediately to the queries based on the priority	5	High	DivyaDarshini, Packiya Pratheeba
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	Brindha,Divya Darshini
Sprint-4		USN-14	The website is responsive on all the devices and the screen sizes	2	Medium	Brindha,Packiya pratheeba
Sprint-4		USN-15	The updates should be on time with the solutions of the raised queries	5	High	Jeevitha,Divya Darshini

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:

Average Sprint Velocity [Estimated To Be Idea] = $\dfrac{\text{Story Points to be completed out of all user stories}}{\text{Total Number Of Sprints}}$ = $\dfrac{63}{4}$ = 15.75

Thefore,The Amount Of work to be done on each Sprint is an average of 15.75 Story Points
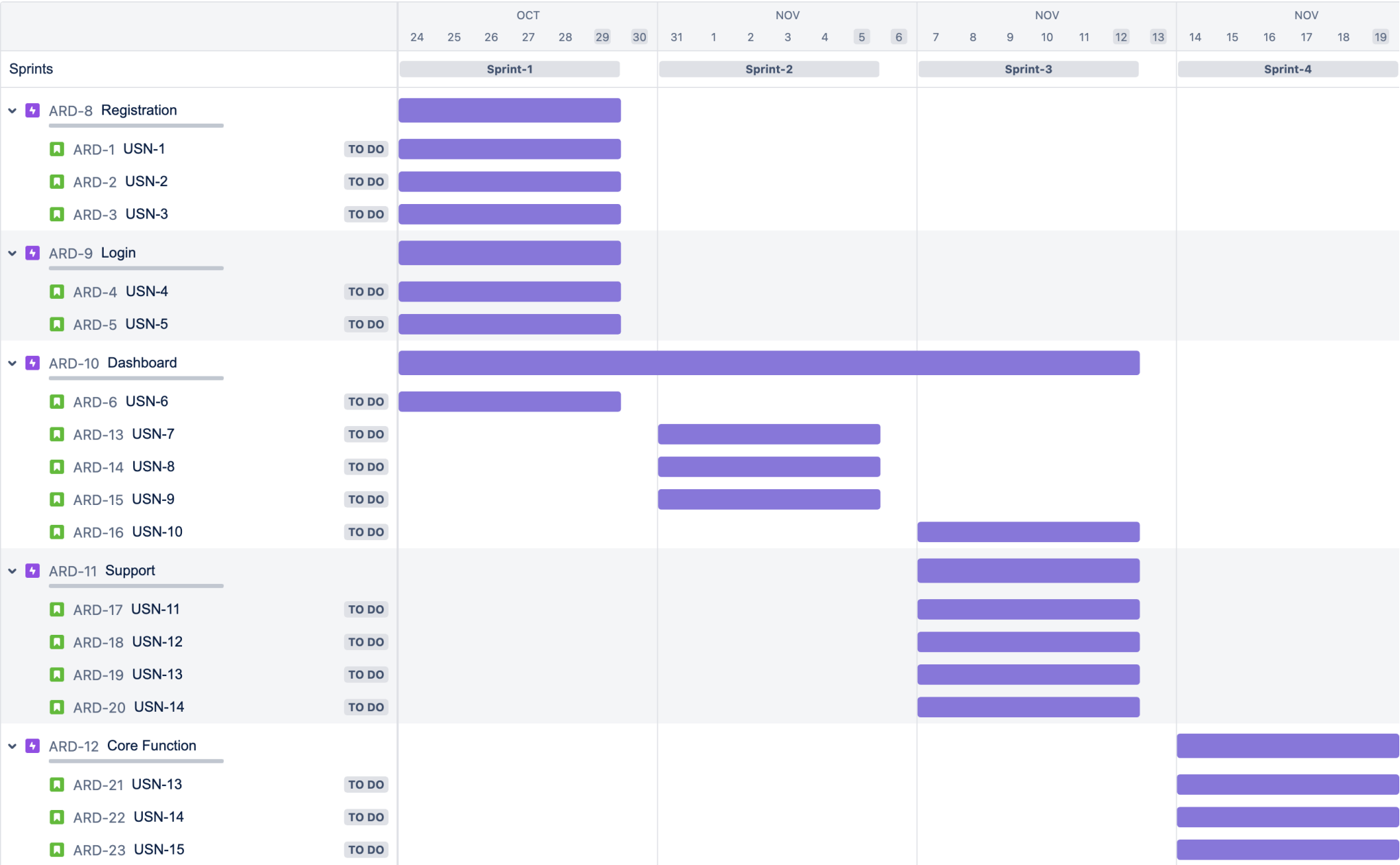
Burndown Chart:

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**

	OCT							NOV								NOV								NOV					
	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

Sprints	Sprint-1	Sprint-2	Sprint-3	Sprint-4

- ARD-8 Registration
  - ARD-1 USN-1 TO DO
  - ARD-2 USN-2 TO DO
  - ARD-3 USN-3 TO DO
- ARD-9 Login
  - ARD-4 USN-4 TO DO
  - ARD-5 USN-5 TO DO
- ARD-10 Dashboard
  - ARD-6 USN-6 TO DO
  - ARD-13 USN-7 TO DO
  - ARD-14 USN-8 TO DO
  - ARD-15 USN-9 TO DO
  - ARD-16 USN-10 TO DO
- ARD-11 Support
  - ARD-17 USN-11 TO DO
  - ARD-18 USN-12 TO DO
  - ARD-19 USN-13 TO DO
  - ARD-20 USN-14 TO DO
- ARD-12 Core Function
  - ARD-21 USN-13 TO DO
  - ARD-22 USN-14 TO DO
  - ARD-23 USN-15 TO DO