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

Date	09 November 2022
Team ID	PNT2022TMID20835
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	Eashwar, Dilli
Sprint-1		USN-2	User will receive confirmation email or message once registered for the application	3	High	Aruneshwar, Barath
Sprint-1		USN-3	Validation of the user can be done directly using email or OTP	2	Medium	Dilli, Aruneshwar
Sprint-1	Login	USN-4	Enter the username and password to login to the application	2	High	Barath, Eashwar
Sprint-1		USN-5	The existing credentials should be used for login on multiple systems	1	Medium	Dilli, Barath
Sprint-1	Dashboard	USN-6	User can search for the region where he/she wants to know the prediction of rainfall	5	High	Eashwar, Aruneshwar

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

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 ideal]* = $\dfrac{St\#\$y\ p\#()t^*\ t\#\ +e\ c\#mp/ete0\ \#1t\ \#2\ 3//\ 1^*e\$\ ^*t\#\$(e^*}{4\#t3/\ )1m+e\$\ \#2\ Sp\$()t^*}$ = $\dfrac{56}{7}$ = 15.75

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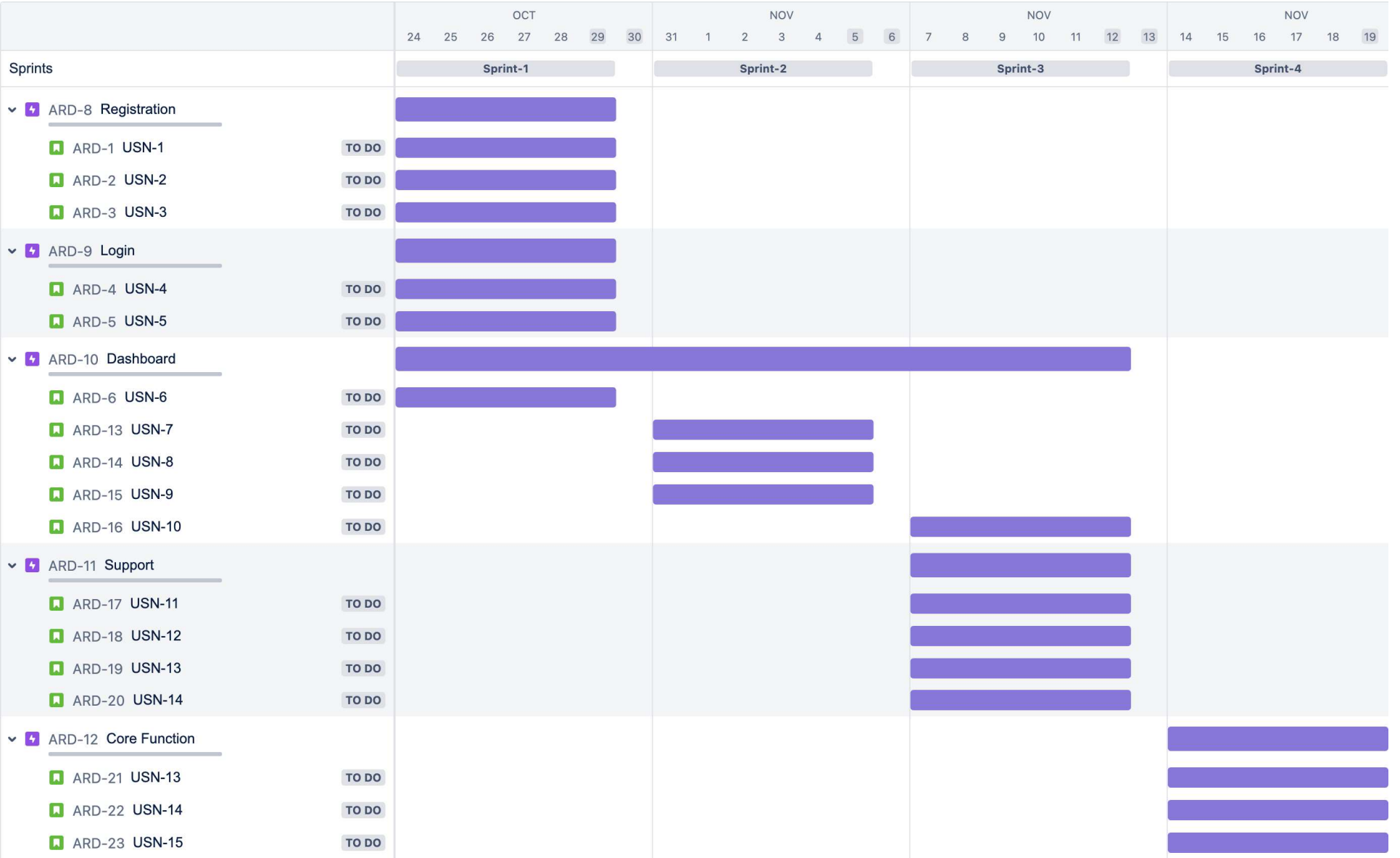
Burndown Chart:

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:

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																						████████					