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

Date	21 October 2022
Team ID	PNT2022TMID32615
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	Dashboard	USN-6	Main page where user can enter the details such as temperature, humidity,rainfall , evaporation ,location ,year ,day , date etc. Based on the details mentioned above (dependent factors) prediction is done whether there is rainfall tomorrow or not.	5	High	Harinivas ,Ashwin Kumar

Sprint	Functional Requirement [Epic]	User Story Number	User Story / Task / Activity	Story Points	Priority	Team Members
Sprint-2		USN-9	The prediction or analysis request can be asked for the desired region for future or past events respectively	8	High	Archana,Muthulakshmy
Sprint-2		USN-10	User can give the feedback on the user interface.	5	High	Ashwin Kumar,Harinivas
Sprint-3	Core Function	USN-13	The application is developed and user interface is maintained in a best way.	8	High	Harinivas, Ashwin Kumar
Sprint-3		USN-14	Website is responsive in all devices.	2	Medium	Archana,Muthulakshmy
Sprint-3		USN-15	ML model is built with better accuracy by using various ML algorithms.	5	High	Harinivas, Ashwin Kumar

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	5	6 Days	25 Oct 2022	02 Nov 2022	---	02 Nov 2022
Sprint-2	13	6 Days	04 Nov 2022	12 Nov 2022	---	13 Nov 2022
Sprint-3	15	6 Days	13 Nov 2022	19 Nov 2022	---	19 Nov 2022

Velocity:

Average Sprint Velocity *[estimated to be ideal]* = $\dfrac{\text{Story points to be completed out of all user stories}}{\text{Total number of Sprints}} = \dfrac{32}{3} = 10.66$

Therefore, the amount of work to be done on each sprint is an average of 10.66 story points.