Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID25913
Project Name	Project - Exploratory Analysis of RainFall Data in India for Agriculture
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	User can register to the platform by entering email, password , mobile number.	5	High	Sreshta, Shrisha
Sprint-1		USN-2	User will receive confirmation email and message using OTP	3	High	Roshni, Heshmmathi
Sprint-1	Login	USN-3	User should enter credentials - username,password and login.	2	High	Sreshta, Shrisha
Sprint-1		USN-4	User must be able change or modify their login and profile details	1	Medium	Roshni, Heshmmathi
Sprint-1	Platform Dashboard	USN-5	User can login and add details about them into their profiles	5	High	Heshmmathi, Shrisha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN -6	User must be able to search and visualize data of their geographical region for which they need to know prediction of rainfall data	5	High	Roshni , Sreshta
Sprint-2		USN-7	The prediction or analysis request can be asked for the desired region for future or past events respectively	3	Medium	Roshni, Shrisha
Sprint - 3	User Support Team	USN-8	Must respond and attend to all user queries through calls/mail/messages	2	Medium	Sreshta, Heshmmathi
Sprint - 3		USN - 9	Q/A session must be conducted to help users resolve their doubts and FAQ must be addressed.	3	Medium	Sreshta, Heshmmathi
Sprint - 3		USN-10	Feedback must be actively collected from users	3	High	Roshni, Shrisha
Sprint - 3		USN-11	Must update development team about errors and bugs found by users	4	High	Heshmmathi, Shrisha
Sprint - 4	Development	USN-12	Platform must be developed and designed with easily understandable and efficient user interface	3	High	Shrisha, Heshmmathi
Sprint - 4		USN-13	Platform should be developed in a way that it is flexible and responsive on all devices	4	High	Sreshta, Roshni
Sprint - 4		USN-14	Frequently platform must be maintained and updates must be done	5	High	Roshni, Shrisha

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	16	6 Days	24 Oct 2022	29 Oct 2022		29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	12	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 2022

Velocity:
 Let's calculate the team's average velocity (AV).

AV = Total story points / Total no. of sprints

   = 48 / 4

   = 12

So the amount of work to be done on each sprint is **12** story points.

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

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/epics
https://www.atlassian.com/agile/tutorials/sprints
https://www.atlassian.com/agile/project-management/estimation
https://www.atlassian.com/agile/tutorials/burndown-charts

ROADMAP using JIRA SOFTWARE

		OCT	NOV	DEC
Sprints		Sprint 1 Sprint 2 Sprint 3 Sprint 4		
⌄ ⚡ USN-15 Registration		▬		
☑ USN-1 User can register to the platform... **TO DO**		▬		
▣ USN-2 User will receive confirmation e... **TO DO**		▬		
⌄ ⚡ USN-16 Login		▬		
▣ USN-3 User should enter credentials - u... **TO DO**		▬		
▣ USN-4 User must be able change or mo... **TO DO**		▬		
⌄ ⚡ USN-17 Platform Dashboard		▬▬		
▣ USN-5 User can login and add details a... **TO DO**		▬		
▣ USN-6 User must be able to search and... **TO DO**		▬		
▣ USN-7 The prediction or analysis reque... **TO DO**		▬		
⌄ ⚡ USN-18 User Support Team			▬	
▣ USN-8 Must respond and attend to all u... **TO DO**			▬	
▣ USN-9 Q/A session must be conducted... **TO DO**			▬	
▣ USN-10 Feedback must be actively coll... **TO DO**			▬	
▣ USN-11 Must update development team... **TO DO**			▬	
⌄ ⚡ USN-19 Development			▬	
▣ USN-12 Platform must be developed an... **TO DO**			▬	
▣ USN-13 Platform should be developed i... **TO DO**			▬	
▣ USN-14 Frequently platform must be ma... **TO DO**			▬	