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

Date	18 November 2022
Team ID	PNT2022TMID34062
Project Name	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 Point s	Priority	Team Members
Sprint-1	Rainfall Predictio nML Model (Dataset)	USN-1	Weather Dataset Collection, Datapreprocessing, Data Visualization.	5	High	Subavrni.S.L Shamini.S Shine.A Thanusha.V
Sprint-1		USN-2	Train Model using Different machine learningAlgorithms	5	High	Subavrni.S.L Shamini.S Shine.A Thanusha.V
Sprint-1		USN-3	Test the model and give best	10	High	Subavrni.S.L Shamini.S Shine.A Thanusha.V
Sprint-2	Registration	USN-4	As a user, they can register for the applicationthrough Gmail. Password is set up.	5	Medium	Subavrni.S.L Shamini.S Shine.A Thanusha.V

Sprint-2	Login	USN-5	As a user, they can log into the application byentering email & password	5		Subavrni.S.L Shamini.S Shine.A Thanusha.V
Sprint-2		USN-6	Credentials should be used for multiplesystems and verified	4		Subavrni.S.L Shamini.S Shine.A Thanusha.V
Sprint-2	Dashboard	USN-7	Attractive dashboard forecasting live weather	6	Low	Subavrni.S.L Shamini.S Shine.A Thanusha.V
Sprint-3	Rainfall Prediction	USN-8	User enter the location, temperature, humidity	10	High	Subavrni.S.L Shamini.S Shine.A Thanusha.V
Sprint-3		USN-9	Predict the rainfall and display the result	10	High	Subavrni.S.L Shamini.S Shine.A Thanusha.V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Point s	Priority	Team Members
Sprint-4	Testing	USN-10	Test the application	10		Subavrni.S.L Shamini.S Shine.A Thanusha.V
Sprint-4	Deploy Model	USN-11	Deploy the model in IBM cloud to make user friendly application	10		Subavrni.S.L Shamini.S Shine.A Thanusha.V

Velocity & Burndown chart:

Velocity:

Imagine we have a 5-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

AV= Sprint duration/ Velocity = 20/5 = 4Total

Average Velocity=4

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.

Tool: Jira Software

	ОСТ							NOV								NOV							NOV									
	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	20	21	22	23
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S-2 Train Model using Different machine learning							30																									
S DS-3 Test the model and give best							- 8																									
S-4 As a user, they can register for the application																																
■ DS-5 As a user, they can log into the application by																																
S-6 Credentials should be used for multiple syste																																
S DS-7 Attractive dashboard forecasting live weather																																
S DS-8 User enter the location, temperature, humidity																																
■ DS-9 Predict the rainfall and display the result																																
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