Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID44338
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	Rainfall Prediction ML model(data set)	USN-1	Weather Dataset collection,Data pre-processing,Data visualization.	5	High	S.Keerthi vennila,M.Bala priyadharshini
Sprint-1		USN-2	Train model using different machine learning Algorithms	5	High	M.Sruthi,M.Gokula priya
Sprint-1		USN-3	Test the model and give best	10	High	M.Sruthi,M.Bala priyadharshini
Sprint-2	Registration	USN-4	As a user, I can register for the application by entering my email, password, and confirming my password.	5	Medium	S.Keerthi vennila,M.Gokula priya
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	5	Medium	M.Bala priyadharshini,M.Sruthi
Sprint-2		USN-6	Credentials should be used for multiple systems and verified	4	Medium	M.Gokula Priya,S.Keerthi vennila
Sprint-2	Dashboard	USN-7	Attractive dashboard forecasting live weather	6	Low	M.Sruthi,M.Bala priyadharshini
Sprint-3	Rainfall prediction	USN-8	User enter the location,temperature,humidity	10	High	M.Bala priyadharshini,M.Gokula Priya

Sprint-4	Testing	USN-10	Test the application	10	High	S.Keerthi vennila,M.Sruthi
Sprint-4	Deploy Model	USN-11	Deploy the model in IBM cloud to make user friendly application	10	High	M.Bala priyadharshini,S.Keerthi vennila
Sprint-3		USN-9	Predict the rainfall and display the result	10	High	M.Sruthi,M.Gokula Priya

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-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=4

Total 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