Project Planning Phase

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

Date	26 October 2022
Team ID	PNT2022TMID44288
Project Name	Exploratory Analysis of RainFall Data in India for Agriculture
Maximum Marks	4 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	As a user, I can register for the application by entering my Phone number/Gmail,Username password, and confirmingmy password.	2	High	Goushik A
Sprint-1	Registration	USN-2	As a user, I will receive confirmation in phone or gmail once I have registered for the application	1	High	Gowtamkumar S S
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Gowtamkumar S S
Sprint-2	Dataset Collect	USN-4	Collect number of datasets and get accuracy	2	Medium	Goushik A
Sprint-2	Pre-processing	USN-5	The dataset is extracted	2	High	Balaji V
Sprint-2	Train the model	USN-6	Train the model.	4	High	Boopathi T
Sprint-2	Test the model	USN-7	Test the model	6	High	Boopathi T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Detection	USN-8	Load the trained model.	3	High	Gowtamkumar S S
Sprint-3	Detection	USN-9	Prediction of rain fall using trained model	5	Medium	Balaji V
Sprint-3	Detection	USN-10	classify it by using a trained model to predict the output	8	High	Balaji V
Sprint-4	Detection	USN-11	Alerts the user about the condition of Rainfall	7	High	Goushik A
Sprint-4	Detection	USN-12	As a User,I can detect the rainfall.	3	Medium	Gowtamkumar S S
Sprint-4	Logout	USN-13	As a User,I can logout the application.	2	Low	Boopathi T

Sprint Delivery Plan

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	8	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	14	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	16	6 Days	07 Nov 2022	12 Nov 2022	11	12 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	12	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)

For Sprint-1 the Average Velocity (AV) is: AV = Sprint Duration / velocity = 8 / 6 = 1.3V

For Sprint-2 the Average Velocity (AV) is: AV = Sprint Duration / velocity = 14 / 6 = 2.3V

For Sprint-3 the Average Velocity (AV) is: AV = Sprint Duration / velocity = 16 / 6 = 2.6V

For Sprint-4 the Average Velocity (AV) is: AV = Sprint Duration / velocity = 12/ 6 = 2.0V

TOTAL TEAM AVERAGE VELOCITY = 2.08

Burndown chart :