Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	08 Nov 2022
Team ID	PNT2022TMID29701
Project Name	Project – Flight Delay Prediction Using ML
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Process	USN-1	Collecting data or downloading data to pre-process it	2	High	Rajeswari C
Sprint-1		USN-2	Evaluating the given data by required Algorithm to predict delay	3	High	Srimathi D
Sprint-2	Build Model	USN-3	Build the Model by training and testing	3	Low	Sarika Saravanan
Sprint-2		USN-4	Deploy the Model in UI environment provided by IBM	2	Medium	Srimathi.D,Sarika Saravanan,Rajeswari.C
Sprint-3	Build Application	USN-5	Create the web page codes in HTML, CSS	2	High	Mukilan.P
Sprint-3		USN-6	Develop a Python code file to integrate with Flask	3	High	Rajeswari.C,Mukilan.P, Srimathi.D,Sarika Saravanan
Sprint-4	Flask Integration and Prediction	USN-7	Integrate Flask using Scoring End	3	High	Rajeswari.C,Mukilan.P, Srimathi.D,Sarika Saravanan

Sprint-4		USN-8	Predict the Delay to view	2	High	Mukilan.P,Sarika Saravanan

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	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	5	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	5	19 Nov 2022

Velocity:

We have taken a 6-day of total sprint duration, and the velocity of the team is 4 (points per sprint). Then the team's average velocity (AV) per iteration unit (story points per day)

AV = SPRINT DURATION / VELOCITY = 5/6 =0.83

Burndown Chart: