

## 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-4	Customer (Web User)	USN-10	Send the live Notification through Google to user's device	1	High	Rajeswari C
Sprint-4		USN-9	Get flight details and show the predicted or assured value	1	High	Srimathi D
Sprint-4		USN-8	Get Login details for New user by Gmail and Password	3	Low	Sarika Saravanan
Sprint-3	Build Application	USN-7	Deploy the Model in UI environment provided	5	Medium	Srimathi.D,Sarika Saravanan,Rajeswari.C
Sprint-2	Build Model	USN-6	Review the Model for any backlogs	1	High	Mukilan.P
Sprint-2		USN-5	Run the Model with Data created or downloaded	1	High	Rajeswari.C,Mukilan.P, Srimathi.D,Sarika Saravanan
Sprint-2		USN-4	Build the model in IBM Cloud	3	High	Rajeswari.C,Mukilan.P, Srimathi.D,Sarika Saravanan
Sprint-1	Web creation	USN-3	Evaluating the given data by required Algorithm to predict delay	3	High	Mukilan.P,Sarika Saravanan

Sprint-1		USN-2	Collecting data or downloading data to preprocess it	1	High	Rajeswari.C,Mukilan.P, Srimathi.D
Sprint-1		USN-1	Check for CSV file or else convert it	1	Medium	Rajeswari C

### 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 5 (points per sprint). Then the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{SPRINT DURATION} / \text{VELOCITY} = 5/6 = 0.83$$

## Burndown Chart:

