Project Planning Phase

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

Date	22/10/2022
Team ID	PNT2022TMID32270
Project Name	Developing a Flight Delay Prediction Model using Machine Learning
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	Prerequisites	USN-1	Install Anaconda, install python packages, prior knowledge	4	Low	VAIRAPRAKASH M DHARANIYA A
Sprint-1	Prerequisites	USN-2	Project flow, project objectives, project structure	4	Low	VAIRAPRAKASH M DHARANIYA A
Sprint-1	Data collection	USN-3	Download the dataset, importing The Libraries, Reading The Dataset	4	Medium	PRAVEENKUMAR S
Sprint-1	Data collection	USN-4	Analyse The Data, Handling Missing Values	4	Medium	PAVITHRA K S

Sprint-1	Data collection	USN-5	Data Visualization	4	High	VAIRAPRAKASH M DHARANIYA A
Sprint-2	Data collection	USN-6	Splitting Dependent And Independent Columns, Splitting the Data into train and test	5	Medium	PAVITHRA K S
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story points**	**Priority**	**Team Members**
Sprint-2	Model Building	USN-7	Training and Testing The Model	5	Medium	PRAVEENKUMAR S
Sprint-2	Model Building	USN-8	Model Evaluation	5	High	VAIRAPRAKASH M
Sprint-2	Model Building	USN-9	Save the model	5	Low	DHARANIYA A
Sprint-3	Application Building	USN-10	Build HTML Code	10	High	PRAVEENKUMAR S DHARANIYA A
Sprint-3	Application Building	USN-11	Build HTML Code	10	High	PAVITHRA K S VAIRAPRAKASH M
Sprint-4	Train the Model on IBM	USN-12	Register for IBM Cloud	4	Medium	DHARANIYA A VAIRAPRAKASH M
Sprint-4	Train the Model on IBM	USN-13	Train Machine Learning Model on IBM Watson	8	High	PAVITHRA K S
Sprint-4	Train the Model on IBM	USN-14	Integrate Flask with scoring endpoint	8	High	PRAVEENKUMAR S

Project Tracker, Velocity & Burn down Chart: (4 Marks)

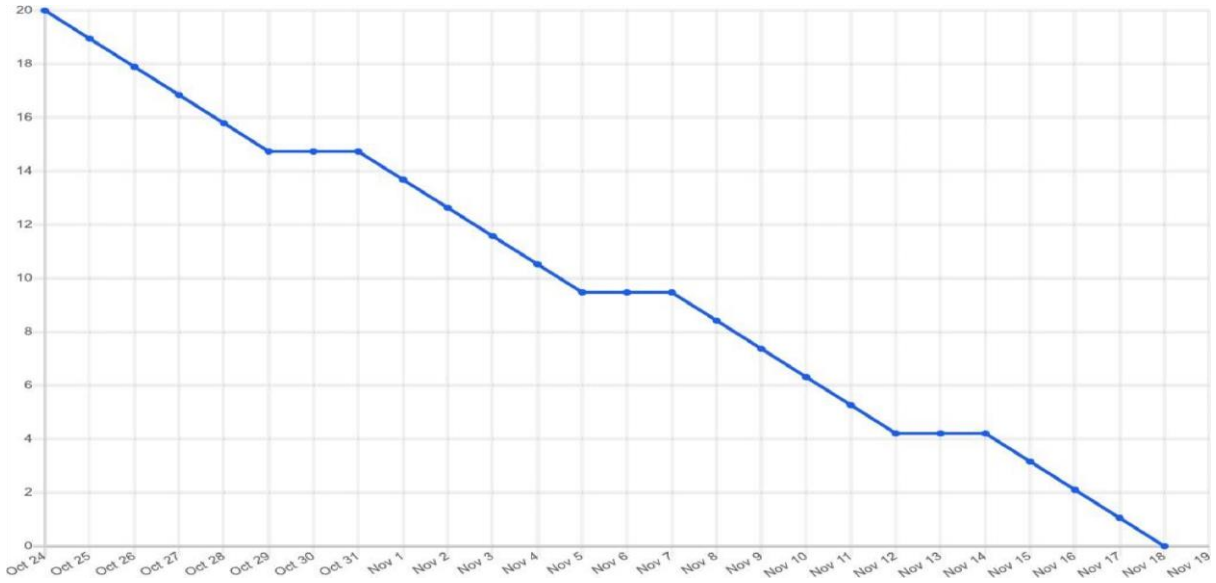
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Velocity: We have 6-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).

$$AV = 20/6 = 3.33$$

Burn down Chart :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