Project Planning Phase

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

Date	03 November 2022
Team ID	**PNT2022TMID30742**
Project Name	Machine Learning Based Vehicle Performance Analyzer
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Preparation	USN-1	Collecting Car dataset and pre-processing it	10	High	Afsal S
Sprint-1	Data Modeling	USN-2	create an ml model to predict the car Performance	5	Medium	Krishna Moorthy M, Hariprasath M
Sprint-1	Model Evaluation	USN-3	Calculate the performance, error rate and complexity of ML model	5	Medium	Afsal S,Kevin S,Hariprasath M
Sprint-2	Model Deployment	USN-4	Using flask and deploy model finally in IBM cloud using IBM storage and Watson Studio	20	High	Krishna Moorthy M, Hariprasath M,
Sprint-3	Registration	USN-5	As a user, I can register for the application by entering email, password, and confirm password	10	High	Krishna Moorthy M, Kevin S, Afsal S
Sprint-3	Confirmation	USN-5	As a user, I will receive confirmation email once I have registered for the application	5	Medium	Hariprasath M, Kevin S
Sprint-3	Login	USN-6	As a user, I can log into the application by entering email & password	5	Medium	Krishna Moorthy M, Afsal S
Sprint-4	Dashboard	USN-7	As a user, I can use the application by entering Car data	20	High	Hariprasath M

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	27 Oct 2022	29 Oct 2022	20	04 Nov 2022
Sprint-2	20	6 Days	02 Nov 2022	05 Nov 2022	20	07 Nov 2022
Sprint-3	20	6 Days	08 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:

Average Velocity = 80 / 20 = 4 Story Points per Day

BurnDown Chart: