

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID50723
Project Name	Car Resale Value Prediction
Maximum Marks	8 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	Data Pre-processing	USN-1	As a user,I can pre-process the data	1	Medium	Santhana Meena R, Divya Bharathi J, Indumathi E, Kavitha B
Sprint-1	Import the libraries	USN-2	As a user, I will import the libraries	1	Low	Santhana Meena R, Divya Bharathi J, Indumathi E, Kavitha B
Sprint-2	Choose the appropriate model	USN-3	As a user, I can select the model	1	Low	Santhana Meena R, Divya Bharathi J, Indumathi E, Kavitha B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Predict the accuracy	USN-4	As a user, I can predict the accuracy on dataset	2	Medium	Santhana Meena R, Divya Bharathi J, Indumathi E, Kavitha B
Sprint-3	Build the HTML page	USN-5	As a user, I can create the html login page	2	Medium	Santhana Meena R, Divya Bharathi J, Indumathi E, Kavitha B
Sprint-4	Output	USN-6	As a user, I can highest accuracy in this model will be final output	2	High	Santhana Meena R, Divya Bharathi J, Indumathi E, Kavitha B

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	24 Oct 2022	29 Oct 2022	20	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		07 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		15 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 202

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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$