

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID00513
Project Name	Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies.
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	User input	USN-1	User inputs an insurance URL in the required field to estimate the cost for the company.	1	Medium	Prince Rohan J Surya D
Sprint-1	Website Comparison	USN-2	Comparing various site to estimate the damage and cost of the vehicle.	1	High	Swaminathan J
Sprint-2	Feature Extraction	USN-3	After comparing with various website, we can able to extract the correct cost and damage of the vehicle using ML algorithm.	2	High	Suresh S Swaminathan J
Sprint-2	Prediction	USN-4	The user or the company people can easily able to predict it using convolutional neural network.	1	Medium	Surya D
Sprint-3	Classifier	USN-5	Model sends all the output to the classifier and produces the final result.	1	Medium	Prince Rohan J
Sprint-4	Announcement	USN-6	This will announce the overall prediction of damage and cost of the vehicle as final output.	1	High	Surya D Prince Rohan J
Sprint-4	Events	USN-7	This model needs the capability of retrieving and displaying accurate damage and cost estimation of the vehicle for insurance company.	1	High	Swaminathan J

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

Velocity:

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>