# Project Planning Phase

## Project Planning Template : Product Backlog, Sprint Planning, Stories, Story points

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| Project Name | Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies. |

### 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 | SHYAMALAVANNAN M |
| Sprint-2 | **Website Comparison** | USN-2 | **Comparing various sites to estimate the damage and cost of the vehicle.** | 1 | High | SAIBARATH RAJ |
| Sprint-3 | **Feature Extraction** | USN-3 | **After comparing with various websites we are able to extract the correct cost and damage of the vehicle using ML algorithm.** | 2 | High | SUDHARSHAN S |
| Sprint-4 | **Prediction** | USN-4 | **The user or the company people can easily predict it using convolutional neural networks.** | 1 | Medium | SUDHARSHAN S |

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| Sprint-5 | **Classifier** | USN-5 | **Model sends all the output to the classifier and produces the final result.** | 1 | Medium | SHYAMALAVANNAN M |
| Sprint-6 | **Announcement** | USN-6 | **This will announce the overall prediction of damage and cost of the vehicle as final output.** | 1 | High | DINESH J |
| Sprint-7 | **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 | SAIBARATH RAJ |

**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** | 1 | 3 Days | 24 Oct 2022 | 26 Oct 2022 | 1 | 26 Oct 2022 |
| **Sprint-2** | 1 | 3 Days | 29 Oct 2022 | 31 Oct 2022 | 1 | 31 Oct 2022 |
| **Sprint-3** | 2 | 3 Days | 03 Nov 2022 | 05 Nov 2022 | 2 | 05 Nov 2022 |
| **Sprint-4** | 1 | 3 Days | 08 Nov 2022 | 10 Nov 2022 | 1 | 10 Nov 2022 |
| **Sprint-5** | 1 | 3 Days | 13 Nov 2022 | 15 Nov 2022 | 1 | 15 Nov 2022 |

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|---|---|---|---|---|---|---|
| **Sprint-6** | 1 | 3 Days | 18 Nov 2022 | 20 Nov 2022 | 1 | 20 Nov 2022 |
| Sprint-7 | 1 | 3 Days | 23 Nov 2022 | 25 Nov 2022 | 1 | 25 Nov 2022 |

**Velocity:**

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

**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