Project Planning Phase

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

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID00684 |
| Project Name | Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Data collection (Dataset) | USN-1 | As a user, I will download dataset of gestures for this project. | 2 | High | P.SREE LIKITHAA  SOWMIYA.R  SOWMIYASREE.S  REVATHI |
| Sprint-1 | Image Preprocessing | USN-2 | As a user, I will import necessary libraries for configuration of image datagenerator and applying them to test and train dataset. | 2 | High | P.SREE LIKITHAA  SOWMIYA.R  SOWMIYASREE.S  REVATHI |
| Sprint-2 | Model Building | USN-3 | As a user, I can import necessary libraries and models of CNN and adding Dense layers. | 2 | Low | P.SREE LIKITHAA  SOWMIYA.R  SOWMIYASREE.S  REVATHI |
| Sprint-2 | Model Building | USN-4 | As a user, I will train, save and test the model. | 2 | Medium | P.SREE LIKITHAA  SOWMIYA.R  SOWMIYASREE.S  REVATHI |

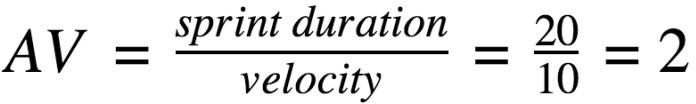
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| Sprint-3 | Application Building | USN-5 | As a user, I create html front page (CSS for styling webpage and JS to connect back end). | 1 | High | P.SREE LIKITHAA  SOWMIYA.R  SOWMIYASREE.S  REVATHI |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
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| Sprint-3 | Application Building | USN-6 | As a user, I use python flask for building back end(for server side scripting). | 2 | High | P.SREE LIKITHAA  SOWMIYA.R  SOWMIYASREE.S  REVATHI |
| Sprint-3 | Application Building | USN-7 | As a user, going to run the application by combining both front end and back end. | 2 | High | P.SREE LIKITHAA  SOWMIYA.R  SOWMIYASREE.S  REVATHI |
| Sprint-4 | Train the model on IBM | USN-8 | As a user, register for IBM cloud. | 1 | Medium | P.SREE LIKITHAA  SOWMIYA.R  SOWMIYASREE.S  REVATHI |
| Sprint-4 | Train the model on IBM | USN-9 | As a user, train the model on IBM and integrate it with the flask application. | 2 | High | P.SREE LIKITHAA  SOWMIYA.R  SOWMIYASREE.S  REVATHI |

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 10 Nov 2022 | 15 Nov 2022 | 20 | 15 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 17 Nov 2022 | 22 Nov 2022 | 20 | 22 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 24 Nov 2022 | 29 Nov 2022 | 20 | 29 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 31 Nov 2022 | 4 Dec 2022 | 20 | 4 Dec 2022 |
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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)



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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) 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>