# Project Planning Phase

## (Product Backlog, Sprint Planning, Stories, Story points)

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|---|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID38414 |
| Project Name | Intelligent Vehicle Damage Assessment andCost Estimator for Insurance Companies |
| Marks | 8 Marks |

## Product Backlog, Sprint Schedule& Estimation (4 Marks)

| Sprint | Milestone | User Story Number | Description | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint 1 | Project Objectives | USN-1 | Project Objectives are what you plan tom achieve. | 5 | Low | Logesh E |
| Sprint 1 | Data Collection | USN-2 | It is the process of gathering and measuring variables in an establish system which than enables one to answer relevant questions and evaluate the outcomes. | 5 | Medium | Logesh E |
| Sprint 1 | Image Preprocessing | USN-3 | It is a system to perform some operations on an image, in order to get an enhanced image to tries | 10 | High | Logesh E<br>Deepak P |
| Sprint 2 | Model Building | USN-4 | Is the process of developing a probabilistic model that best describes the relation between the depended and independent variables. | 3 | High | Logesh E<br>Deepak P |
| Sprint 2 | Import & Load the Model | USN-5 | With both the training data defined and model defined, its time to configure the learning process. | 3 | Low | Logesh E<br>Nagaraj V |
| Sprint 2 | Train & Test the Model | USN-6 | As a user, let us train our model with image dataset. | 2 | Low | Kishore Kumar B |
| Sprint 2 | Save the Model | USN-7 | As a user, the model is saved and integrated with an android application or web application in order to predict something. | 2 | Low | Logesh E<br>Nagaraj V |
| Sprint 3 | Cloudant Databasse | USN-8 | Higher levels of compliance,security and administrator are made possible by IBM Cloud's solutions,which also featuretried-and-true architecture patterns and procedures for quick delivery of mission-critical workloads. | 10 | Medium | Logesh E<br>Deepak P |

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|---|---|---|---|---|---|---|
| Sprint 3 | Application Building | USN-9 | The process of writing a computer programme is called application.Create our flask application in this phase,which will have an interface and operate in our local browser. | 10 | High | Logesh E<br>Deepak P |
| Sprint 4 | Train The Model on IBM | USN-10 | A Deep learning network architecture that doesn't require human feature extraction because it learns straight from the data. | 10 | Medium | Logesh E<br>Kishore Kumar B |
| Sprint 4 | Cloud Deployment | USN-11 | As a user I an access the web application and make the use of the product from anywhere. | 10 | High | Logesh E<br>Deepak P |

### 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 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 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:

**Imagine we have a 10-day sprint duration. 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)**

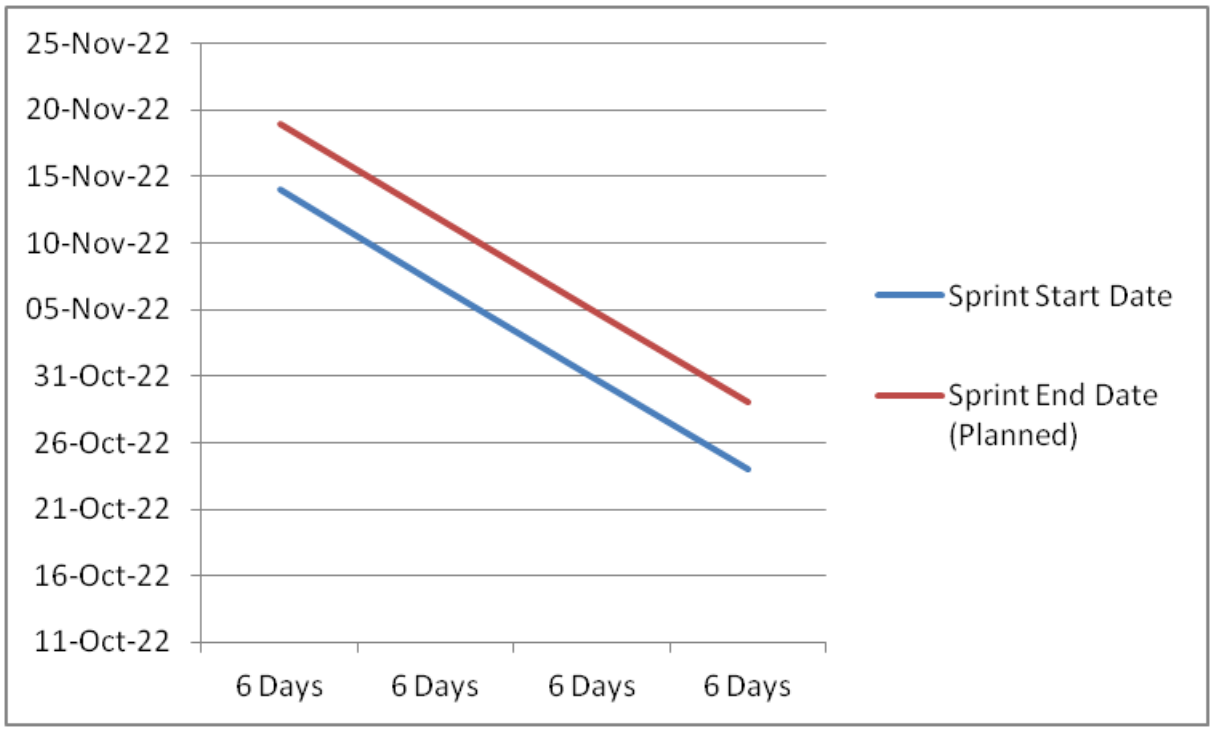
$$AV = \frac{\text{Sprint duration}}{\text{Velocity}}$$

$$= \frac{20}{6}$$

$$= 3.33$$

## 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.**


25-Nov-22
20-Nov-22
15-Nov-22
10-Nov-22
05-Nov-22
31-Oct-22
26-Oct-22
21-Oct-22
16-Oct-22
11-Oct-22
6 Days
6 Days
6 Days
6 Days
Sprint Start Date
Sprint End Date (Planned)