**Project Planning Phase**

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date | | | | 31 0ctober 2022 | | | |  |
| Team ID | | | | PNT2022TMID42057 | | | |
| Project Name | | | | Car Resale Value Prediction | | | |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | | **Story Points** | **Priority** | **Team Members** | | |
| Sprint-1 | Pre-process data | USN-1 | Collect Dataset | | 1 | Low | HARINI.R | | |
| Sprint-1 |  | USN-2 | Import required libraries | | 1 | Low | GUNASEKARAN.N  HEMNATH.M | | |
| Sprint-1 |  | USN-3 | Read and clean data sets | | 2 | Low | KIRUTHICKROSHAN.S  GUNASEKARAN.N  HEMNATH.M | | |
| Sprint-2 | Model building | USN-1 | Split data into independent and dependent variables | | 3 | Medium | HARINI.R  HEMNATH.M | | |
| Sprint-2 |  | USN-2 | Apply using regression model | | 3 | Medium | HARINI.R  GUNAKERAN.N  KIRUTHICKROSAHN.S | | |
| Sprint-3 | Application building | USN-1 | Build python flask application and HTML page | | 5 | High | HARINI.R  GUNAKERAN.N  HEMNATH.M | | |
| Sprint-3 |  | USN-2 | Execute and test | | 5 | High | KIRUTHICKROSHAN.S  HARINI.R  GUNASEKARAN.N | | |
| Sprint-4 | Training the model | USN-1 | Train machine learning model | | 5 | High | HEMNATH.M  KIRUTHICKROSHAN.S | | |
| Sprint-4 |  | USN-2 | Integrate flask | | 5 | High | GUNASEKARAN.N  KIRUTHICKROSHAN.S | | |

**Product Backlog, Sprint Schedule, and Estimation (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 |

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

**Burndown Chart:**

