**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 4 November 2022 |
| Team ID | PNT2022TMID19165 |
| Project Name | Project – Car Resale Value Prediction |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Pre Processing Data | USN-1 | Collect Dataset | 1 | Low | G.Anubama,R.Abinaya |
| Sprint-1 |  | USN-2 | Import required Libraries and Cleaning | 2 | Medium | G.Anubama,R.Abinaya,  M.Arulmozhi,C.Chandiya |
| Sprint-2 | Model Building | USN-1 | Splitting data into dependent and Independent Variable. | 1 | Low | M.Arulmozhi,C.Chandiya |
| Sprint-2 |  | USN-2 | Apply algorithms and findings best. | 5 | High | G.Anubama,R.Abinaya,  M.Arulmozhi,C.Chandiya |
| Sprint-3 | Testing the Model | USN-1 | Train Machine Learning Model | 1 | Medium | G.Anubama,R.Abinaya,  M.Arulmozhi,C.Chandiya |
| Sprint-3 |  | USN-2 | Test the Model | 2 | Medium | G.Anubama,R.Abinaya,  M.Arulmozhi,C.Chandiya |
| Sprint-4 | Application Building | USN-1 | Build HTML Page and pyrhon Flask Application | 5 | High | G.Anubama,C.Chandiya |
| Sprint-4 |  | USN-2 | Integrate Flask | 5 | High | R.Abinaya,M.Arulmozhi, |

**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, 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)

