**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 27 October 2022 |
| Team ID | PNT2022TMID32044 |
| 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 | Registration | USN-1 | You can register for the application by entering my email, password or Phone Number and confirming my password Or through OTP | 1 | High | Harrish |
| Sprint-1 |  | USN-2 | You will receive confirmation email once I have registered for the application | 2 | High | Chidambaram |
| Sprint-1 |  | USN-3 | You can Access our data through your registered account like Kaggle | 2 | Medium | Mukesh Kumar |
| Sprint-1 |  | USN-4 | As a user ,I should give the car details -car name ,car model , fuel type[petrol or decel] | 10 | High | Vengatesh |
| Sprint-2 | User Information | USN-5 | As a user , I can see the related information through the website | 12 | High | Harrish |
| Sprint-2 | Data collection | USN-6 | As a admin, I want to collect the data from the user | 6 | High | Vengatesh |
| Sprint-3 | Data Preprocessing | USN-7 | As a admin, I want to filter the data i.e clean the data and preprocess the data using panda | 10 | High | Chidambaram |
| Sprint-3 | Model Building | USN-8 | As a admin, I should predict the accurate data using Machine Learning Algorithm | 6 | High | Vengatesh |
| Sprint-3 | API | USN-9 | As a admin ,I should use python flash to connect the data and logic and ML Algorithm | 5 | High | Harrish |
| Sprint-4 | Identification | USN-10 | As a admin, I should give the accurate data and information from G-mail | 15 | High | Mukesh kumar |

**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 | 15 | 5 Days | 25 Oct 2022 | 30 Oct 2022 |  |  |
| Sprint-2 | 18 | 4Days | 31 Oct 2022 | 03 Nov 2022 |  |  |
| Sprint-3 | 21 | 4 Days | 04 Nov 2022 | 8 Nov 2022 |  |  |
| Sprint-4 | 15 | 4 Days | 9 Nov 2022 | 13 Nov 2022 |  |  |

**Velocity:**

Average velocity of sprint-1=AV=15/5 = 3

Average velocity of sprint-2= AV=18/4= 4.5

Average velocity of sprint-3= Av=21/4=5.25

Average velocity of sprint-4= AV=15/4=3.75

**Burndown Chart:**