**Project Planning Phase Project Planning Template (Product Backlog, Sprint Planning, Stories,**

Story points)

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| --- | --- |
| Date | 07 November 2022 |
| Team ID | PNT2022TMID09998 |
| Project Name | Machine Learning Based Vehicle  PerformanceAnalyzer |
| Maximum Marks | 8 Marks |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User**  **Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint- 1 | Data Preparation | USN-1 | Collecting Cardataset and pre-processing it | 10 | High | MANIKANDAN.S |
| Sprint- 1 | Data Modeling | USN-2 | create an ml model to predict the car  Performance | 5 | Medium | HARISH.S |
| Sprint- 1 | Model Evaluation | USN-3 | Calculate the performance, error rate and complexity of ML model | 5 | Medium | KATHIRESH.M |
| Sprint- 2 | Model Deployment | USN-4 | Using flask and deploy model finally in IBM cloud using IBM  storage and Watson Studio | 20 | High | MOHAMED ABUSALIF.S.M |
| Sprint- 3 | Registration | USN-5 | As a user, I can register for the application by entering email,  password, and confirm password | 10 | High | MANIKANDAN.S |
| Sprint  -3 | Confirmation | USN-5 | As a user, I will receive confirmation email once I have registered for the application | 5 | Medium | HARISH.S |
| Sprint- 3 | Login | USN-6 | As a user, I can log into the application by entering email & password | 5 | Medium | KATHIRESH.M |
| Sprint- 4 | Dashboard | USN-7 | As a user, I can use the application by entering Car data | 20 | High | MOHAMED ABUSALIF.S.M |

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 | 27 Oct  2022 | 29 Oct 2022 | 20 | 04 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 02 Nov  2022 | 05 Nov 2022 | 20 | 07 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 08 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:

Average Velocity = 80 / 20 = 4 Story Points per Day

BurnDown Chart:

