Project Planning Phase

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

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| Date | 28 October 2022 |
| Team ID | PNT2022TMID32458 |
| Project Name | Developing a flight delay prediction model using machine learning. |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement**  **(Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Collection of Dataset | USN-1 | Collect dataset from Google and clean the dataset. | 10 | High | SUNDARESVAR P,SUNDARESAN M |
| Sprint-1 | Data Processing | USN-2 | Outliers are detected and the suitable algorithm is used to produce the result. | 10 | High | SUREN GOPAL D, THULASI VEERA RAGAVAN L |
| Sprint-2 | Model Training and Testing | USN-3 | The model is trained and tested using several techniques. | 10 | High | SUNDARESVAR P,SUNDARESAN M |
| Sprint-2 | Model Deployment | USN-4 | Deploying the model in IBM Cloud. | 10 | High | SUREN GOPAL D, THULASI VEERA RAGAVAN L |

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| Sprint-3 | Login Page | USN-5 | User can register or login using email or username and password. | 10 | High | SUNDARESVAR P,SUNDARESAN M |
| Sprint-3 | Home Page | USN-6 | The home page is created where the information about the flights are being searched. | 10 | High | SUREN GOPAL D, THULASI VEERA RAGAVAN L |
| Sprint-4 | Application  Building | USN-7 | The dashboard is created. | 10 | High | SUNDARESVAR P,SUNDARESAN M |
| Sprint-4 | Application Testing | USN-8 | The dashboard is tested for its efficient functioning. | 10 | High | SUREN GOPAL D, THULASI VEERA RAGAVAN L |

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

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| **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 |  | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 |  | 31 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  | 07 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  | 14 Nov 2022 |