**Project Planning Phase**

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

**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 | Pre-process data | USN-1 | Collect Dataset | 1 | Low | Karthiga P |
| Sprint-1 |  | USN-2 | Import required libraries | 1 | Low | Kaviya R Keerthika P  Karthiga P |
| Sprint-1 |  | USN-3 | Read and clean data sets | 2 | Low | Keerthika P  Jenifer N |
| Sprint-2 | Model building | USN-1 | Split data into independent and dependent variables | 3 | Medium | Keerthika P  Karthiga P |
| Sprint-2 |  | USN-2 | Apply using regression model | 3 | Medium | Kaviya R  Karthiga P |
| Sprint-3 | Application building | USN-1 | Build python flask application and HTML page | 5 | High | Kaviya R  Keerthika P  Karthiga P |
| Sprint-3 |  | USN-2 | Execute and test | 5 | High | Karthiga P |
| Sprint-4 | Training the model | USN-1 | Train machine learning model | 5 | High | Keerthika P |
| Sprint-4 |  | USN-2 | Integrate flask | 5 | High | Karthiga P  Jenifer N |

**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 |

**Burndown Chart:**

