**Project Planning Phase**

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

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| --- | --- |
| Date | 31 October 2022 |
| Team ID | PNT2022TMID35420 |
| Project Name | Project - Airlines Data Analytics for Aviation Industry |
| 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 | I can sign up for the application as a user by providing my email address, password, and confirming that. | 2 | High | Sanjay kumar |
| Sprint-1 | Registration | USN-2 | When I register for the application as a user, I will get a confirmation email. | 3 | High | Shyam kumar |
| Sprint-1 | Login | USN-3 | I've grown accustomed to using credentials to access the system as a user. | 2 | Low | Mohamed  Ijas |
| Sprint-1 | Collection of dataset | USN-4 | I can collect the dataset and choose the area of interest to be tracked and analysed as a user. | 5 | Medium | Arun kumar |
| Sprint-2 | Dataset  Exploration | USN-5 | I can explore the given dataset through IBM cognos | 6 | High | Shyam kumar |
| Sprint-2 | Dataset  Visualization | USN-6 | I will use cognos as a developer to visualise the provided dataset into a dashboard. | 6 | High | Sanjay kumar |
| Sprint-3 | Dashboard  Customization | USN-7 | I can personalise the dashboard that is visualised as a user. | 6 | Medium | Arun kumar |
| Sprint-3 | Ease of Access | USN-8 | I can simply access and use the dashboard as a user. | 6 | Medium | Mohamed  Ijas |
| Sprint-4 | Report  Generation | USN-9 | I can view the detailed report of my visualization | 6 | High | Sanjay kumar |
| Sprint-4 | Dashboard  Establishment | USN-10 | Established the dashboard into a website and submit the website. | 6 | High | Shyam 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 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 12 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 12 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 12 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 12 | 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)

# Average velocity=Sprint duration / velocity=12/6=2

**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.