**Project Planning Phase**

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| --- | --- |
| Date | 27 October 2023 |
| Team ID | Team-592961 |
| Project Name | Project-ASL - Alphabet Image Recognition |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story/Task** | **Story Points** | **Priority** |
| Sprint 1 | Data Collection | USN-1 | Collect ASL dataset | 2 | High |
| Sprint 1 | Model Development | USN-2 | Develop ASL recognition model | 8 | High |
| Sprint 1 | Model Development | USN-3 | Train and test ASL model | 6 | High |
| Sprint 2 | User Interface | USN-4 | UI development | 8 | High |
| Sprint 2 | Webcam Integration | USN-5 | Integrate webcam for video capture | 3 | Medium |
| Sprint 3 | Text-to-Speech | USN-6 | Integrate TTS service | 2 | Medium |
| Sprint 3 | Testing & Optimization | USN-7 | Testing and optimization | 3 | High |

**Project Tracker, Velocity & Burndown Chart:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | 16 | 10 Days | 12 Oct 2023 | 22 Oct 2023 | 16 | 22 Oct 2023 |
| Sprint-2 | 11 | 8 Days | 17 Oct 2023 | 25 Oct 2023 | 8 | 27 Oct 2023 |
| Sprint-3 | 5 | 6 Days | 25 Oct 2023 | 1 Nov 2023 | - | - |

**Velocity:**

* Sprint 1: 16 points
* Sprint 2: 11 points
* Sprint 3: 5 points

Average Velocity =(16+11+5)/3

=32/3

=**10.67**

**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies 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.