Project Planning Phase

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)**

|  |  |
| --- | --- |
| Date | 15/11/2022 |
| Team ID | PNT2022TMID46314 |
| Project Name | Project - Real-Time Communication System Powered by AI for Specially Abled |
| Maximum Marks | 8 Marks |

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

To create product backlog and sprint schedule

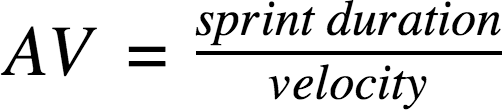
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | SAHUL |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | VISWANATHAN |
| Sprint-2 | Registration | USN-3 | As a user, I can register for the application through phone number | 2 | Medium | THAMIZHARASAN |
| Sprint-2 | User interface | USN-4 | Professional responsible for user requirements & needs | 2 | Medium | ASHOCKUMAR |
| Sprint-3 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | SAHUL |
| Sprint-3 | Dashboard | USN-6 | As a user, I must receive any updates or pop ups in my dashboard | 2 | High | VISWANATHAN |
| Sprint-4 | Details | USN-7 | As a user, I should get notification about  the progress and any updates via email or sms | 1 | Medium | THAMIZHARASAN |
| Sprint-4 | Privacy | USN-8 | The developed application should be secure for the users | 2 | High | ASHOCKUMAR |

# 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 | 25 Oct 2022 | 30 Oct 2022 | 20 | 31 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 01 Nov 2022 | 06 Nov 2022 | 20 | 06 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 13 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 29 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)

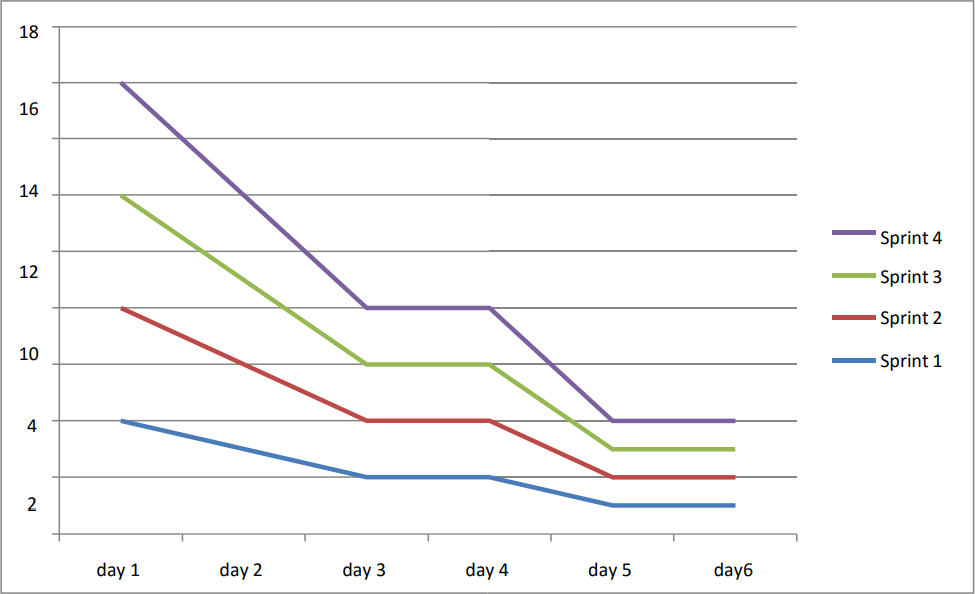


***AV = 6/10 = 0.6***

# 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.

SPRINT SCHEDULE CHART: SPRINT BURNDOWN CHART:





**Nov**