**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 18October 2022 |
| Team ID | PNT2022TMID44057 |
| Project Name | Real-Time Communication System Powered by AI for Specially Abled |
| 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 | As a user, I can register for the application by entering my email, password, and confirming my password. | 3 | High | Vidhyamalathi. M  Sebinya.P  Susiladevi.K  Priyadharshini.RV |
| Sprint-1 | Authentication | USN-2 | As a user will receive OTP to conform details. | 2 | High | Vidhyamalathi.M  Sebinya.P  Susiladevi.K  Priyadharshini.RV |
| Sprint-1 | Registration | USN-3 | As a user I will receive confirmation mail once I have registered for the application | 1 | Low | Vidhyamalathi.M  Sebinya.P  Susiladevi.K  Priyadharshini.RV |
| Sprint-1 | Login | USN-4 | As a user I will receive confirmation mail once I have registered for the application | 2 | High | Vidhyamalathi.M  Sebinya.P  Susiladevi.K  Priyadharshini.RV |
| Sprint-2 | Dashboard | USN-5 | As a user I must have one place to explore all available features. | 3 | High | Vidhyamalathi.M  Sebinya.P  Susiladevi.K  Priyadharshini.RV |
| Sprint-2 | Login | USN-6 | As a user, If I forget my password, I must get an auto generated password to reset my password | 2 | Medium | Vidhyamalathi.M  Sebinya.P  Susiladevi.K  Priyadharshini.RV |
| Sprint-3 | Help | USN-7 | As a user, I must be able to reach out to the support Team to get my issues resolved | 1 | Low | Vidhyamalathi.M  Sebinya.P  Susiladevi.K  Priyadharshini.RV |
| Sprint-3 | Management | USN-8 | As a user, I can access the site using mobile/desk top. | 3 | Medium | Vidhyamalathi.M  Sebinya.P  Susiladevi.K  Priyadharshini.RV |
| Sprint-4 | System | USN-9 | As a user, I must have access to previous usage history | 2 | Medium | Vidhyamalathi.M  Sebinya.P  Susiladevi.K  Priyadharshini.R |
| Sprint-4 | System | USN-10 | As a user, I can have audio output as well as text output. | 3 | High | Vidhyamalathi.M  Sebinya.P  Susiladevi.K  Priyadharshini.R |

**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 | 8 | 6 Days | 24 Oct 2022 | 29 Oct 2022 |  | 1 NOV 2022 |
| Sprint-2 | 5 | 6 Days | 31 Oct 2022 | 05 Nov 2022 |  |  |
| Sprint-3 | 4 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 5 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  | 19 Nov 2022 |

**Velocity:**

AverageVelocity=velocity/SprintDuration

•Average Velocity → AV

• Velocity →Points per sprint

• Sprint Duration →Number of Days for preparing

1.Sprint– 1: AV = 8/6=1.3

2. Sprint– 2: AV =5/6 =0.834

3. Sprint– 3: AV =4/6 =0.67

4. Sprint– 4: AV =5/6 =0.83

**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.

