**Project Planning Phase**

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

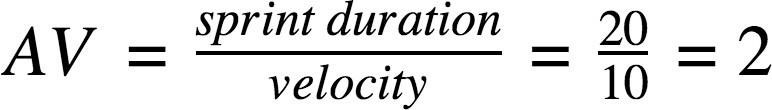
|  |  |
| --- | --- |
| Date | 06 Nov 2022 |
| Team ID | PNT2022TMID07561 |
| Project Name | Personal assistant for senior people who are self-Reliant |
| Maximum Marks | 8 Marks |

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

Use the below template to create a 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, and password, and confirming my password. | 3 | High | Preethi. J |
| Sprint-1 | Confirmation Email | USN-2 | As a user, I will receive a confirmation email once I have registered for the application | 4 | High | Rasiha.R |
| Sprint-1 | Authentication | USN-3 | As a user, I can register for the application through Gmail and mobile app. | 4 | Medium | Shoba.P |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 3 | High | Sadhurya.R |
| Sprint-1 | Dashboard | USN-5 | As a user, I need to be able to view the functions that I can perform | 4 | High | Rasiha.R  Shoba.P |
| Sprint-2 | Notification | USN-1 | As a user, I should be able to notify my parent and guardian in emergency situations | 1  0 | High | Preethi.J  Sadhurya.R |
| Sprint-2 | Store data | USN-2 | As a user, I need to continuously store my location data into the database. | 1  0 | Medium | Preethi.J |
| Sprint-3 | Communication | USN-3,1 | I should be able to communicate with user | 6 | Low | Rasiha.R |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | IoT Device – Watson communication | USN-1,4 | The data from IoT device should reach IBM Cloud | 7 | Medium | Preethi.J |
| Sprint-3 | Node RED - Cloudant DB communication | USN-5,2 | The data stored in IBM Cloud should be properly integrated with Cloudant DB | 7 | High | Rasiha.R |
| Sprint-4 | User – Web UI interface | USN-1,4 | The Web UI should get inputs from the user | 6 | High | Sadhurya.R  Shoba.P |
| Sprint-4 | Alarm | USN-2,3,5 | The Alarm of the remainder should be done based on the medication time | 7 | High | Rasiha.R  Preethi.J |

**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 |

**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)

**Burndown Chart:**



**25**



300



**20**



250

200



**15**



150



**10**



100



50



**Start**

**Week**

**1**



**Week**

**2**

Days



**Week**

**3**



**Week**

**4**



Remaining

Effort



Ideal

Burndown