Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 31 October 2022 |
| Team ID | PNT2022TMID31414 |
| Project Name | IoT Based Safety Gadget for Child Safety Monitoring and Notification |
| Maximum Marks | 8 Marks |

**TEAM MEMBERS:**

**1. ABINEETHA M - 710719106004**

**2. CHARULATHA N B - 710719106016**

**3. APARNA BHUVANESVARI L - 710719106006**

**4. ASWINI G – 710719106013**

# 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 am able to get speed updates correctly | 10 | High | Abineetha M  Charulatha N B |
| Sprint-1 |  | USN-2 | As a user, I can register in the application correctly | 10 | Medium | Aparna bhuvanesvari L  Aswini G |
| Sprint-2 |  | USN-3 | As a user, I can increase or decrease speed based in the change in weather conditions with the help of sign boards | 10 | High | Abineetha M  Aswini G |
| Sprint-2 |  | USN-4 | As a user, I am able to go through an alternative direction when traffic is ahead | 10 | Medium | Charulatha N B  Aparna bhuvanesvari L |
| Sprint-3 | Login | USN-5 | As a user, I can log into the application by entering email & password | 10 | High | Abineetha M  Aparna Bhuvanesvari L |
| Sprint-3 | Generating data | USN-6 | As a user I am able to utilize the web app to get information regarding child location | 10 | High | Abineetha M  Charulatha N B |
| Sprint-4 | Problem solving | USN-7 | As an executive I am able to solve the problems of the users with the given instructions | 10 | Medium | Charulatha N B  Aswini G |
| Sprint-4 | Administering the timely data | USN-8 | As an admin I am able to get through the interface and administer the data functionality | 10 | High | Abineetha M  Charulatha N B |

# 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)

