Project Planning Phase

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

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| --- | --- |
| Date | 16 November2022 |
| Team ID | PNT2022TMID07068 |
| Project Name | Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification |

# 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 | User Registration | USN-1 | Registration through website Registration through app | 2 | High | Balamurugan Kirubha Shree Dhanush Harish |
| Sprint-1 | User Confirmation | USN-2 | Confirmation via Email Confirmation via OTP | 1 | High | Balamurugan Kirubha Shree Dhanush Harish |
| Sprint-2 | User login | USN-3 | Setting up User Id and password | 2 | Low | Balamurugan Kirubha Shree Dhanush Harish |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | App permission | USN-4 | Grant the permission for the app to access location, contact etc.. | 2 | Medium | Balamurugan Kirubha Shree Dhanush Harish |

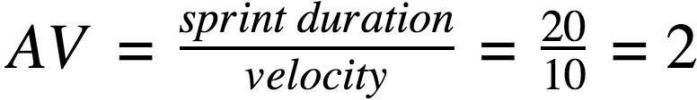
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| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Interface with the Device | USN-5 | Connecting the device with the registered app with the device ID. | 1 | High | Balamurugan Kirubha Shree Dhanush Harish |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-2 | Setting Geo-location | USN-6 | Creating the Geo-location area in the map | 2 | Low | Balamurugan Kirubha Shree Dhanush Harish |
| Sprint-3 | Database | USN-7 | Location history is stored in the cloud. Can be accessed from the dashboard. | 2 | High | Balamurugan Kirubha Shree Dhanush Harish |
| Sprint-4 | Tracking location | USN-8 | Tracking the location through app. Tracking the location through website. | 2 | High | Balamurugan Kirubha Shree Dhanush Harish |

# 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 | 31 Oct 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 07 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 14 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:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development m](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/)ethodologies such as [Scrum. H](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/)owever, burn down charts can be applied to any project containing measurable progress over time.

