**Project Planning Phase**

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

|  |  |  |
| --- | --- | --- |
| Date | |  | | --- | | 15 november2022 | |
| Team ID | |  | | --- | | PNT2022TMID06109 | |
| Project Name | Project -   |  | | --- | | IOT based safety gadget for child safety monitoring and notification | |
| 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 | code with simulation | USN-1 | User track for the location | 2 | High | Subhashini  subalakshmi |
| Sprint-1 | Location tracking with simulation | USN-2 | Tracking the current location | 1 | High | Subhashini  subalakshmi |
| Sprint-2 | IOT Watson platform | USN-3 | Location tracking | 2 | medium | Subhashini  subalakshmi |
| Sprint-3 | Nodered platform | USN-4 | Child function | 2 | Medium | Sree Lakshmi  priyanka |
| Sprint-4 | Home page | USN-5 | Child safety | 1 | medium | Sreelakshmi  priyanka |
| Sprint-4 | Login page | USN-5 | |  | | --- | | As a user, I might ensure login credential through gmail easy manner for the purpose of sending alert message to the parents informing through normal message. | | 2 | medium | Subhashini  subalakshmi |
| Sprint-4 | registration | USN-5 | As a user I have to registered my details in a simple and easy manner by considering the safety of child this registered system sends notification to parents   |  | | --- | |  | | 3 | high | Subhashini  subalakshmi |
|  |  |  |  |  |  |  |

**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 | 1 nov 2022 | 4 nov 2022 | 12 | 4 nov 2022 |
| Sprint-2 | 20 | 6 Days | 5nov2022 | 07 Nov 2022 | 16 | 7 nov 2022 |
| Sprint-3 | 20 | 6 Days | 08 Nov 2022 | 14 Nov 2022 | 17 | 14 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:**

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.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](https://www.atlassian.com/agile/project-management)

[**https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

[**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints)

[**https://www.atlassian.com/agile/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)