

Project Planning Phase

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

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|---------------|--|
| Date | 31 October 2022 |
| Team ID | PNT2022TMID02743 |
| Project Name | IoT Based Safety Gadget for Child Safety Monitoring and Notification |
| Maximum Marks | 8 Marks |

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

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|------------|-------------------------------|-------------------|---|--------------|----------|--------------------------------------|
| Sprint-1 | Web application | USN-1 | Create web application for the user using Node - red | 20 | High | Mohan , Krishna kumar,M adhivadhanan |
| Sprint-2 | Simulation | USN-2 | Simulation of the child tracker should be done using various simulators in the internet | 20 | High | Madhan raj |
| Sprint-3 | Mobile application | USN-3 | Create web application for the user using Mit app inventory | 20 | High | Mohan |
| Sprint - 4 | Physical hardware connections | USN-4 | Do the real time physical hardware connection to form a complete product | 20 | High | Madhivadhanan , Krishna kumar |

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 | 25 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 25 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 25 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 25 | 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).

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$