

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

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| Date | 28 October 2022 |
| Team ID | PNT2022TMID36621 |
| Project Name | IoT based safety gadget for child safety monitoring and notifications. |
| 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 | Login | USN-1 | As a customer, I might ensure login credential through gmail ease manner for the purpose of sending alert message to the parents or guardians (or) informing through normal message. | 2 | High | I.Archana,Shaik.Rajeena Begum,S.Kousalya,V.Akshaya |

| | | | | | | |
|----------|--------------|-------|---|---|------|--|
| Sprint-1 | Registration | USN-2 | As a user, I have to registered my details and tools details in a simple and easy manner by considering the safety of child, this registered system sends notification to the parents. | 2 | High | I.Archana,Shaik.Rajeena Begum,S.Kousalya,V.Akshaya |
|----------|--------------|-------|---|---|------|--|

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|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|--|
| Sprint-2 | Dashboard | USN-3 | As a user, In case of any emergency situation parents(I) must get the alert notification and location of the child. | 3 | Medium | I.Archana,Shaik.Rajeena Begum,S.Kousalya,V.Akshaya |
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
| Sprint-3 | Dashboard | USN-4 | As a user, I(parent) need to safeguard child and tracking the child's location and it is important to notify near police station incase of more emergency . | 2 | High | I.Archana,Shaik.Rajeena Begum,S.Kousalya,V.Akshaya |
| Sprint-3 | Dashboard | USN-5 | As a user, Its good to have a IOT based system to safeguard monitoring without presence of parent. | 2 | High | I.Archana,Shaik.Rajeena Begum,S.Kousalya,V.Akshaya |
| Sprint -4 | Monitoring the environment | USN 1 | User can monitor the situation of the environment from a dashboard that displays sensor information about the environment and child health. | 2 | High | I.Archana,Shaik.Rajeena Begum,S.Kousalya,V.Akshaya |
| Sprint- 4 | Event Notification | USN 6 | Sending an alert SMS to the parents and guardians in case of panic situation. | 2 | High | I.Archana,Shaik.Rajeena Begum,S.Kousalya,V.Akshaya |

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 | 4 | 6 Days | 26 Oct 2022 | 30 Oct 2022 | 4 | 30 Oct 2022 |
| 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-2 | 3 | 6 Days | 02 Nov 2022 | 06 Nov 2022 | 3 | 06 Nov 2022 |
| Sprint-3 | 4 | 6 Days | 10 Nov 2022 | 14 Nov 2022 | 4 | 14 Nov 2022 |
| Sprint-4 | 4 | 6 Days | 16 Nov 2022 | 21 Nov 2022 | 4 | 21 Nov 2022 |

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 15 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV=6.6$$