

PROJECT PLANNING PHASE

Sprint Delivery Plan

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| Date | 01-11-2022 |
| Team ID | PNT2022TMID28943 |
| Project Name | IoT Based Safety Gadget for Child Safety Monitoring & Notification |

Product Backlog, Sprint Schedule, and Estimation

Use the below template to create a 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 | As a user, I can register for the application by entering my email, and password, and confirming my password. | 4 | High | KARTHIK E |
| Sprint-1 | Confirmation Email | USN-2 | As a user, I will receive a confirmation email once I have registered for the application | 4 | High | CHITTUMOTHU PAVANKUMAR |
| Sprint-1 | Authentication | USN-3 | As a user, I can register for the application through Gmail and mobile app. | 4 | Medium | KRISHNAMOORTHY S |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 4 | High | EASHWAR PERIYAKARUPPAN S |
| Sprint-1 | Dashboard | USN-5 | As a user, I need to be able to view the functions that I can perform | 4 | High | KRISHNAMOORTHY S |
| Sprint-2 | Notification | USN-1 | As a user, I should be able to notify my parent and guardian in emergency situations | 10 | High | CHITTUMOTHU PAVANKUMAR |
| Sprint-2 | Store data | USN-2 | As a user, I need to continuously store my location data into the database. | 10 | Medium | KARTHIK E |
| Sprint-3 | Communication | USN-3,1 | I should be able to communicate with my parents | 6 | Low | EASHWAR PERIYAKARUPPAN S |

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|----------|-----------------------------------|-------------------|--|--------------|----------|--|
| Sprint-3 | IoT Device – Watson communication | USN-1,4 | The data from IoT device should reach IBMCloud | 7 | Medium | KARTHIK E, CHITTUMOTHU PAVANKUMAR |
| Sprint-3 | Node RED-CloudantDB communication | USN-5,2 | The data stored in IBM Cloud should be properly integrated with Cloudant DB | 7 | High | KRISHNAMOORTHY S, EASHWAR PERIYAKARUPPAN S |
| Sprint-4 | User – WebUI interface | USN-1,4 | The Web UI should get inputs from the user | 6 | High | KARTHIK E, KRISHNAMOORTHY S |
| Sprint-4 | Geofencing | USN-2,3,5 | The geofencing of the child should be done based on the geographical coordinates | 7 | High | CHITTUMOTHU PAVANKUMAR, EASHWAR PERIYAKARUPPAN S |

Project Tracker, Velocity & Burndown Chart:

| 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 |
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