

Project Planning Phase

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

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| Date | 28 October 2022 |
| Team ID | PNT2022TMID41838 |
| 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 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 | ROZEN BERG |
| Sprint-1 | Confirmation Email | USN-2 | As a user, I will receive a confirmation email once I have registered for the application | 4 | High | THARUN RAJ |
| Sprint-1 | Authentication | USN-3 | As a user, I can register for the application through Gmail and mobile app. | 4 | Medium | JANANIPRYA |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 4 | High | MATHUBAALA |
| Sprint-1 | Dashboard | USN-5 | As a user, I need to be able to view the functions that I can perform | 4 | High | BHAGYA NARAYANAN |
| Sprint-2 | Notification | USN-1 | As a user, I should be able to notify my parent and guardian in emergency situations | 10 | High | ROZEN BERG |
| Sprint-2 | Store data | USN-2 | As a user, I need to continuously store my location data into the database. | 10 | Medium | THARUN RAJ |
| Sprint-3 | Communication | USN-3,1 | I should be able to communicate with my parents | 6 | Low | ROZEN BERG, JANANIPRYA |

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|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|---|
| Sprint-3 | IoT Device – Watson communication | USN-1,4 | The data from IoT device should reach IBM Cloud | 7 | Medium | ROZEN BERG, MATHUBAALA |
| Sprint-3 | Node RED- Cloudant DB communication | USN-5,2 | The data stored in IBM Cloud should be properly integrated with Cloudant DB | 7 | High | BHAGYA NARAYANAN, THARUN RAJ |
| Sprint-4 | User – WebUI interface | USN-1,4 | The Web UI should get inputs from the user | 6 | High | ROZEN BERG, MATHUBAALA |
| Sprint-4 | Geofencing | USN-2,3,5 | The geofencing of the child should be done based on the geographical coordinates | 7 | High | THARUN RAJ, JANANIPRYA, BHAGYA NARAYANAN |