Project Planning Phase

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

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| Date | 26 October 2022 |
| Team ID | PNT2022TMID30986 |
| 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

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| **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 | KOWSHIK P |
| Sprint-1 | Confirmation Email | USN-2 | As a user, I will receive a confirmation email once I have registered for the  application | 4 | High | KOWSHIK P |
| Sprint-1 | Authentication | USN-3 | As a user, I can register for the application  through Gmail and mobile app. | 4 | Medium | SURYA PRAKASH,  PRASANTH |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by  entering email & password | 4 | High | PRAGADEESHVARAN,  PRASANTH |
| Sprint-1 | Dashboard | USN-5 | As a user, I am able to view the  functions that I can perform | 4 | High | KOWSHIK,  PRAGADEESVARAN |
| Sprint-2 | Notification | USN-1 | As a user, I can notify my  parent and guardian in emergency situations | 10 | High | KOWSHIK |

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| Sprint-2 | Store data | USN-2 | As a user, I need to continuously store my  location data into the database. | 10 | Medium | PRAGADEESVARAN |
| Sprint-3 | Communication | USN-3,1 | I can communicate with my  parents | 6 | Low | PRASANTH,  SURYAPRAKASH |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | IoT Device – Watson  communication | USN-1,4 | The data from IoT device should reach IBM  Cloud | 7 | Medium | KOWSHIK |
| 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 | PRAGADEESVARAN,  SURYA PRAKASH |
| Sprint-4 | User – WebUI interface | USN-1,4 | The Web UI should get inputs from the user | 6 | High | PRAGADEESVARAN,  PRASANTH,  SURYA PRAKASH |
| Sprint-4 | Geofencing | USN-2,3,5 | The geofencing of the child should be done based on the geographical coordinates | 7 | High | KOWSHIK,  PRAGADEESVARAN,  PRASANTH,  SURYA PRAKASH |