Project Planning Phase

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

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| Date | 09 November 2022 |
| Team ID | PNT2022TMID07818 |
| Project Name | IoT Based Safety Gadget for Child Safety Monitoring & Notification |
| Maximum Marks | 8 Marks |

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

Use the below template to create 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, password, and confirming my password. | 2 | High | Aravind, Sriragavi,Melsiya, Sneha |
| Sprint-1 | User confirmation | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Aravind, Sriragavi,Melsiya, Sneha |
| Sprint-2 | user login | USN-3 | Create the IBM Watson, Node- Red, and Cloudant DB | 1 | high | Aravind, Sriragavi,Melsiya, Sneha |
| Sprint-1 | App permission | USN-4 | Grant the permission to access the app to  check out the location of the children. | 2 | Medium | Aravind, Sriragavi,Melsiya, Sneha |
| Sprint-1 | Interfacing | USN-5 | Connecting the device with the registered  Application. | 1 | High | Aravind, Sriragavi,Melsiya, Sneha |

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| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint- 3 | Setting Geofence | USN-6 | Develop the web application using Node-RED | 2 | Medium | Aravind, Sriragavi,Melsiya, Sneha |
| Sprint 4 | user notification | USN -7 | To develop a module to notify the user in case of possible emergency | 2 | High | Aravind, Sriragavi,  Melsiya, Sneha |
| Sprint 2 | Tracking location | USN-8 | Live location can be tracked using sensor | 1 | High | Aravind, Sriragavi,  Melsiya, Sneha |

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 01 Nov 2022 | 07 Nov2022 | 20 | 08 Nov 2022 |
| Sprint-2 | 20 | 6 Days | 09 Nov 2022 | 15 Nov 2022 | 20 | 15 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 16 Nov 2022 | 22 Nov 2022 | 20 | 22 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 23 Nov 2022 | 29 Nov 2022 | 20 | 25 Nov 2022 |