

## Project Planning Phase-Sprint Delivery Plan.

|               |   |
|---------------|---|
| Date          | 31 October 2022   |
| Team ID       | PNT2022TMID29469  |
| Project Name  | Project – IOT-Based Safety Gadget for ChildSafety Monitoring and Notification |
| Maximum Marks | 8 Marks   |

| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority |
|----------|-------------------------------|-------------------|---|--------------|----------|
| 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     |
| Sprint-1 | Confirmation Email            | USN-2             | As a user, I will receive a confirmation email once I have registered for the application                     | 4            | High     |
| Sprint-1 | Authentication                | USN-3             | As a user, I can register for the application through Gmail and mobile app.                                   | 4            | Medium   |
| Sprint-1 | Login                         | USN-4             | As a user, I can log into the application by entering email & password  | 4            | High     |
| Sprint-1 | Dashboard                     | USN-5             | As a user, I need to be able to view the functions that I can perform   | 4            | High     |
| Sprint-2 | Notification                  | USN-1             | As a user, I should be able to notify my parent and guardian in emergency situations                          | 10           | High     |
| Sprint-2 | Store data                    | USN-2             | As a user, I need to continuously store my location data into the database.                                   | 10           | Medium   |

|          |               |         |   |   |     |
|----------|---------------|---------|---|---|-----|
| Sprint-3 | Communication | USN-3,1 | I should be able to communicate with my parents | 6 | Low |
|----------|---------------|---------|---|---|-----|

| <b>Sprint</b> | <b>Functional Requirement (Epic)</b> | <b>User Story Number</b> | <b>User Story / Task</b>   | <b>Story Points</b> | <b>Priority</b> |
|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|
| Sprint-3      | IoT Device – Watson communication    | USN-1,4                  | The data from IoT device should reach IBM Cloud                                  | 7                   | Medium          |
| Sprint-3      | Node RED-CloudantDB communication    | USN-5,2                  | The data stored in IBM Cloud should be properly integrated with Cloudant DB      | 7                   | High            |
| Sprint-4      | User – WebUI interface               | USN-1,4                  | The Web UI should get inputs from the user                                       | 6                   | High            |
| Sprint-4      | Geofencing                           | USN-2,3,5                | The geofencing of the child should be done based on the geographical coordinates | 7                   | High            |