**Ideation Phase**

**Define the Problem Statements**

|  |  |
| --- | --- |
| Date | 19 September 2022 |
| Team ID | PNT2022TMID47892 |
| Project Name | Project – IOT based safety gadget for child safety monitoring and notification |
| Maximum Marks | 2 Marks |

**Customer Problem Statement Template:**

Design and technical difficulties go hand in hand. According to Napier’s  reporting there is often an issue with waterproofing designs. Sweat and bad weather, such as heat and precipitation, are two sources of damage to the technology. In addition, a device’s small size can result in small and difficult screens to view information as well as “constrained power reserves”. The smaller the device, the smaller the battery and therefore the shorter the battery life.

Graphical user interface, text, application, email

Description automatically generated

Reference:

B. Dorsemaine, J. P. Gaulier, J. P. Wary, N. Kheir and P. Urien, "Internet of Things: A Definition and Taxonomy", Next Generation Mobile Applications Services and Technologies 2015 9th International Conference, pp. 72-77, 2015.

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[Google Scholar](https://scholar.google.com/scholar?as_q=Internet+of+Things%3A+A+Definition+and+Taxonomy&as_occt=title&hl=en&as_sdt=0%2C31)

**Example:**

Chart, treemap chart

Description automatically generated

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 battery life | mahalakshmi | Charging the device | Its very low | Rainy season because of current issue | Fear about my child |
| PS-2 large size device | raxshana | Search small compact device | Device sensor is very large | High detect sensors | So I think about wear or not |