**Ideation Phase**

**Define the Problem Statements**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID 42645 |
| Project Name | Project - Hazardous Area Monitoring for  Industrial Plants |
| Maximum Marks | 2 Marks |

**Customer Problem Statement Template:**

1. Rahul is a Plant Manager who needs to be informed of possible hazardous areas because it could pose a risk to the lives of the workers in the facility.

2. Sudhagar is a technician who needs to be informed when he is entering a hazardous area because it can lead to dangerous health complications.

3. Pavithran is the Safety Inspector who needs to easily as certain whether the various areas of the plant are hazardous or not because he needs to provide accurate reports to ensure safety.

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| --- | --- | --- |
| I am | Safety manager | Safety of workers |
| I am trying to | Temperature of particular region | To measure temperature of particular region |
| But | Accuracy is less | We have make the temperature accurate |
| Because | In some places accuracy should be maintained | Humidity of the place can also be found |
| Which makes me feel | If we continuously monitor without going to the location, makes the customer happy. | The temperature can be continuously monitored by the manager or as many people can be added.  This helps us with the safety of the workers which makes the total organization or industry happy. |

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| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | Safety manager | Detect temperature | Accuracy is important | It has be kept at constant temperature | Happy about the product |
| PS-2 | Owner of a manufacturing unit | Detect humidity | Accuracy is important | It has be kept at constant temperature | Happy about the product |