**Ideation Phase**

**Define the Problem Statements**

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| \*Date | 28 august 2023 |
| Team ID | Proj\_212174\_Team\_1 |
| Project Name | Measurement of Energy consumption |
| Maximum Marks |  |

**Customer Problem Statement Template:**

Background to the study Generally, a power outage can be identified as a power cut, power failure or blackout. This can be addressed as loss of electricity power to a specific area. Nevertheless, there are different causes of power failure in electricity which can easily cause damages to human and business operations. It is fairly settled in the literature that infrastructure plays a critical and positive role in economic development. Not only the power outage but also the power waste in the home appliances which can be considered as unfair for the customers.

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| **Problem**  **Statement (PS)** | **I am** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | Home rescident | Use home appliances | Can’t turn it on | Of voltage drop. | Frustrated |
| PS-2 | Cab drivers | Refill my fuel | I can’t  afford it | Of how high the price is. | Helpless |
| PS-3 | Industrial worker | Use service appliances | I can’t  work | Of the electric energy used | Unfair |
| PS-4 | Commercial worker | Sell commercial products | Can’t sell | Of how much the energy it consumes | Useless |
| PS-5 | Building worker | Construct buildings | Can’t meet the deadline | Of the workload | Unemployed |