Ideation Phase
Define the Problem Statements

Date	06 May 2023
Team ID	NM2023TMID14436
Project Name	IoT based Weather Adaptive Street Light System
Maximum Marks	2 Marks

Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
I am a resident of a neighborhood who is trying to address the lack of safety and inefficient energy usage in our street lighting system. However, the existing street lights are outdated and do not have adaptive features or real-time monitoring capabilities.	I am a resident	I am a resident of a neighborhood that is in need of an improved street lighting system.	The existing street lights in our neighborhood are outdated and do not have adaptive features.	The lights remain at a fixed brightness level regardless of the actual lighting needs, resulting in inefficient energy usage	I believe our community deserves a street lighting system that is energy-efficient, adaptive to different lighting conditions, and provides real-time monitoring capabilities.
I am a municipality representative responsible for managing street lighting infrastructure. I am trying to find a solution to the high maintenance costs and limited control over the existing street lights	As a municipality	As a municipality representative, my role involves overseeing the management of street lighting infrastructure.	The existing street lighting system requires frequent maintenance, resulting in high costs and resource allocation	The lack of remote monitoring capabilities makes it challenging to detect faulty lights or identify areas that require immediate attention.	I am seeking a solution that offers remote monitoring capabilities and efficient maintenance processes.