

## IDEATION PHASE

### DEFINE THE PROBLEM STATEMENTS

DATE	10 May 2023
TEAM ID	NM2023TMID15296
PROJECT NAME	IoT based Weather Adaptive Street Lighting System
MAXIMUM MARKS	2 Marks

#### PROBLEM STATEMENTS:

An IoT-based weather adaptive street lighting system is a smart solution that adjusts lighting levels according to the current weather conditions. Concerns about safety on roads lead to poor visibility ,There might be the fear of potential accidents .

The proposed IoT based weather adaptive street lighting system aims to solve these problems by incorporating real-time weather data to adjust the intensity of the street lights according to the weather conditions. The primary objective is to reduce energy consumption , save maintenance costs and safety during adverse weather conditions.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes Me feel
PS - 1	City Administrator	reduce the carbon footprint and promote sustainable practices in my city	I'm facing the challenges with traditional street lighting system.	the current system consumes significant amount of energy and frequent maintenance.	Frustrated
PS - 2	Citizen	Ensure the safety of pedestrians and motorists	there is lack of visibility	Of poor lighting system	Anxious about safety of community