Ideation Phase

Define the Problem Statements

Date	29 April 2023
Team ID	NM2023TMID04258
Project Name	IOT Based Weather Adaptive Street Lighting System
Maximum Marks	2 Marks

Customer Problem Statement :

Adaptive street lights use sensors to detect changes in ambient light and adjust their brightness accordingly. However, they may not always be able to accurately detect other environmental factors such as heavy rain or snow, which could significantly reduce visibility and increase the risk of accidents. This problem is compounded by the fact that drivers may be less cautious in adverse weather conditions if they assume that the street lights are providing adequate visibility. As a result, it is important to ensure that adaptive street lights are designed to detect a wide range of environmental factors and adjust their brightness and intensity accordingly to ensure the safety of drivers and pedestrians in all weather conditions**.**

Problem ment (PS)	I am	I'm trying to	But	Because	Which makes me feel
PS-1	I am a pedestrian or driver	I am trying to use the advance sensor that can detect changes in ambient light and adjust the brightness and intensity of the lights accordingly.	but I am facing difficulties	Because of this, I feel anxious about my safety while walking or driving in poorly lit areas. system.	These difficulties cause me to feel frustrated and concerned about the effectiveness of the adaptive street light