

Ideation Phase

Define the Problem Statements

Date	06 May 2023
Team ID	NM2023TMID15378
Project Name	Project-IOT Based Weather Adaptive street lighting system
Maximum Marks	

Customer Problem Statement :

The project you're working on is called the "IoT -based Weather Adaptive Street Lighting System." In simple terms, it means creating a system that uses Internet of Things (IoT) technology to control street lights in response to weather conditions. The goal is to make street lighting more efficient and responsive by automatically adjusting the brightness or timing of the lights based on factors like rain, fog, or daylight. This helps save energy, improves visibility on the roads, and enhances safety for pedestrians and drivers.

Reference:

https://miro.com/welcomeonboard/VUJzaVcyaGpvTWIOVnBVa2NNOXFVdzRGY2ILSWloY0cxVE90SjQ4NXdHcW02V2pQYWWhWMVgxalMxcmhraW9LbnwzNDU4NzY0NTU0NDE5MjlxOTU3fDI=?share_link_id=171333834619

Example:

The screenshot shows a Miro board titled "Customer Problem Statement Template". The board is divided into five colored sections, each with a heading and a text box:

- I am** (Light Blue): ARCHANA K
- I'm trying to** (Medium Blue): The project we are working on is called the "IoT-based Weather Adaptive Street Lighting System." In simple terms, it means creating a system that uses Internet of Things (IoT) technology to control street lights in response to weather conditions. The goal is to make street lighting more efficient and responsive by automatically adjusting the brightness or timing of the lights based on factors like rain, fog, or daylight. This helps save energy, improves visibility on the roads, and enhances safety for pedestrians and drivers.
- But** (Orange): Feasibility Study
- Because** (Dark Blue): Conduct a feasibility study to assess the practicality and viability of implementing the proposed system. Identify potential challenges and limitations that may arise during the implementation phase.
- Which makes me feel** (Dark Grey): The project makes me feel that I am utilizing advanced technology to create a smart street lighting system that adjusts based on the weather conditions. It provides a sense of efficiency, convenience, and modernity in managing street lighting, giving you a feeling of being part of the future.

The board is displayed in a web browser window with the URL <https://miro.com/app/board/uXgVMIs9IdU=/>. The browser's address bar and tabs are visible at the top. The Miro interface includes a toolbar with various editing tools and a "Share" button. The bottom of the screen shows the Windows taskbar with the time 2:35 PM on 5/16/2023.

