Project Design Phase-I
Proposed Solution

Date	13 May 2023
Team ID	NM2023TMID15296
Project Name	IoT based weather adaptive street lighting system

PROPOSED SOLUTION:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To reduce cost and consume energy by using sensors to detect the weather and produce light wherever it's highly needed.
2.	Idea / Solution description	Using smart techniques and sensors by utilizing advanced technology like sensor for monitoring the weather using IoT.
3.	Novelty / Uniqueness	Enabling the remote monitoring and control of street lights ,reducing the need for manual intervention and improving maintenance efficiency.
4.	Social Impact / Customer Satisfaction	The previous system lacked the ability to adapt to changing weather conditions, this will provide better sustainable environment.
5.	Business Model (Revenue Model)	A software that controls the lighting system and provides weather data analysis. Additionally the system can enhance the public safety by ensuring that streets as well-lit during inclement weather .As Productivity increases customer satisfaction also increases and hence need for implementation also increases which can raise the revenue of the business.
6.	Scalability of the Solution	It is definitely scalable we can also increase the constraints when problem arises.