

Ideation Phase

Define the Problem Statements

Date	29 April 2023
Team ID	NMIoT05EN
Project Name	IOT Based Street Quality Identification
Maximum Marks	2 Marks

Customer Problem Statement :

The problem statement for street quality identification is to develop a system a low cost data platform that integrates open source technologies to combine street imagery and ride quality data to provide a visual ground truth for all the city's streets.. In terms of implementation, the device is mounted to the back of a city vehicle with its camera facing downwards to the road. To detect the cracks and street quality we can train different classifiers using computer vision

Problem ment (PS)	I am	I'm trying to	But	Because	Which makes me feel
PS-1	I am a low cost data platform	I am trying to use the advance sensor and camera that can detect the quality of the streets	but I am facing difficulties	Because of this, I feel anxious about my safety while walking or driving in poorly maintain streets	These difficulties cause me to feel frustrated and concerned about the effectiveness of the adaptive street quality management