

PROBLEM STATEMENT PHASE 1 : NOISE POLLUTION MONITORING

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Project ID: proj_223338_Team_3

Project name: Noise pollution monitoring

About NOISE POLLUTION:

A Sound level

meters are commonly utilized in sound pollution studies for the quantification of various sorts of noise, especially for industrial, environmental, mining, and aircraft noise. The reading from a sound level meter doesn't correlate well to human-perceived loudness, which is best measured by a loudness meter.

PROBLEMS :

- Noise pollution adversely affects the lives of millions of people.
- Studies have shown that there are direct links between noise and health.

NOISE POLLUTION WORKPLACE:

Maintain and lubricate machinery and equipment (e.g., oil bearings)
Place a barrier between the noise source and employee (e.g., sound walls or curtains)
Enclose or isolate the noise source.

SOLVING NOISE POLLUTION:

- The best long-term solution to industrial noise control is to treat the root cause of the problem and solve it at the source. However, for any mode of control to be effective, a comprehensive survey must be

conducted in order to identify the source and determine how much it contributes to the overall noise level at the facility.

- **Sound transmission loss lines:**

It involves using heavy and dense objects with poor sound transmission properties to block or attenuate noise propagating through the walls

DESIGN THINKING 🧠:

The children came up with creative solutions like use of ear plugs, lowering the volume, planting more trees, no honking and no loudspeakers. They depicted the soothing sound and harsh sounds using clay and through drawing.