Phase 1: Problem Definition and Design Thinking

The scope of this document to identify the problem statement and its find the solution for noise pollution monitoring and design the project.

Problem Definition:

- Noise monitoring is very crucial since 20% of the population or close to 80 Million people suffer from noise level that experts consider to be unacceptable.
- The demands of modern society lead to the creation of noise sources such as industrial sources, transport vehicles, defense equipment and construction.
- Noise coming from vehicles and construction sites have significantly distract the focus and the intellectual development of the Students.
- This issue results in the needs of a system that will monitor the noise level at that Specified areas.

Design Thinking:

- Having understand the above problem .We would designing the solution which would able to solve the problem.
- The most common instruments are used for measuring noise are the sound level meter(SLM), the integrating sound level meter (ISLM),and the noise dosimeter.
- We can reduce noise pollution by turning off appliances when not in use , use of earplugs, lowering the volume planting more trees , regular maintenance of vehicles and machines.
- Measuring noise levels and workers noise exposures is the most important part of a workplace hearing conversation and noise control program.