

Phase 1:

Problem Definition and Design Thinking.

The scope of this document is to identify the problem and find solution for noise pollution and management to receive real time Environmental Data.

Problem Definition:

It has been researched and found that there has been the following issues with noise management. The issues or problems are listed below:

- The noise is also comes under pollution is called noise pollution. Due to this is many problems will be created. During the traffic time the horn
- Sound will create a noise pollution. The sound will create a impact in human health cause hear loss, stress, bp, heart attack and some other issues. . This is also has resulted in and overall humans irritation low monitoring.

Design Thinking:

Having understood the above problem. We would designing a solution which would be able to solve the same.

Project Objectives:

Defines objectives such as real time noise pollution monitoring, public awareness ,noise regulations and improved quality of life.

- An IOT based solution could immediately resolve the above issue.
- Keeps monitoring noise level and reports it to the online server over IOT.
- IOT sensors typically use wireless communication protocols such as wifi, cellular, microcontroller to transmit data to central server or cloud based platform.
- This enables real-time data collection and analysis.
- Sound sensors are used to detect sounds intensity,gives output in high to low.
- Deployment of IOT sensors in various public area to measure the noise level.