# NOISE POLLUTION MONITORING

# PHASE 1

PROJECT DEFINITION:

Noise pollution is defined as the process to measure the magnitude of noise in industries and residential area .In this pollution the data collected from noise level monitoring and also testing help us to understand trends and action .It can be taken to reduce noise pollution.

OBJECTIVES FOR PROJECT

AIM:

It is systematically measure noise levels in a given environment or situation for various purposes, including :

* Compliance
* Health and safety
* Environment production
* Quality of life
* Research and understanding
* Engineering and design
* Urban planning

IOT BASED ON NOISE MONITORING SENSORS:

It is most commonly used in noise monitoring in a microphone. The microphones are designed to convert sound waves into electrical signals. In this noise monitoring, microphones capture the surrounding sound and generate electrical voltage variation. It corresponds to the amplitude of sound waves.

There are various types of microphones used for noise monitoring :

* Condenser microphones
* Electret condenser microphones
* MEMS

DATA SHARING PLATFORM:

We can establish a centralized data base to collect and store noise monitoring data. And then we can develope a user friendly web page to access real time data.