**NOISE POLLUTION MONITORING**

**PROJECT DEFINITION:**

* The project involves an IOT-based noise monitoring system.
* It consists of a noise sensor to monitor the noise level.
* It is an application to show people the real-time noise level so as to create awareness about noise pollution.
* It is also an interface between the sensor and application.

**DESIGN THINKING:**

1. *Project objective:*

The main objective of this project is to create awareness among people about the increasing noise pollution by using a real-time noise monitoring system and to improve the quality of life.

1. *IOT sensor design:*

Noise sensors can be used to monitor noise levels in public areas such as traffic signals, marketplaces, preaching areas, theatres and so on.

1. *Noise pollution interface platform:*

Blynk IOT is an application to prototype, deploy, and remotely manage connected electronic devices at any scale. Blynk IOT can be used to personalize an application for a noise monitoring system based on our preferences.

1. *Integration approach:*

The sensor and application can be interfaced using microcontrollers such as ESP-32 which provides Wi-Fi facility to interact with the mobile application.