Department of Electronic and Telecommunication Engineering
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EN2160 - Electronic Design Realization
Semester 4
Selecting the Product

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Introduction and Problem Identification

- Among the major types of pollution happening in the world such as water pollution and air pollution, sound pollution is becoming a major concern among the society.
- Sound pollution is becoming a major concern in urban areas where there are high traffic conditions, in factories where there are large machines which generate noise and in work sites which involves using explosives a lot.
- With these promising issues, people now tend to check the sound pollution level in their living area on a periodical manner and they tend to keep a track on past the sound pollution levels in the area.
- There are products already available in the market that can detect the sound pollution level in a specific place.
- But they cannot keep a record either on the location or the past data.

- Considering the above mentioned factors, it was decided to build a sound pollution detection device which has the ability to detect and display the sound quality level in on a specific location and the data is directly stored in a database for further analysis.
- The device will be an IoT device as well. The level of sound pollution will be displayed on a screen so the user can see the amount of sound pollution in decibels.
- It will further indicate whether the sound pollution level is low, intermediate or high.
- It will be a portable device which can carried easily so the user doesn't need any extra spce to pact the device.

Other Similar Products

Here are some links for the similar products available in the market.

- https://www.amazon.com/noise-detector/s?k=noise+detector
- https://www.aliexpress.com/w/wholesale-automotive-noise-detector.html
- https://www.renkeer.com/noise-detectors-for-industrial-pollution/

The End.