Phase 1 project:

Project Title:

Noice pollution monitoring

Project ID: proj_223738_Team_6

College code:-

6208

College:

Gnanamani College of Technology

Branch:

B.Tech/Information Techology

Year: IIIrd year

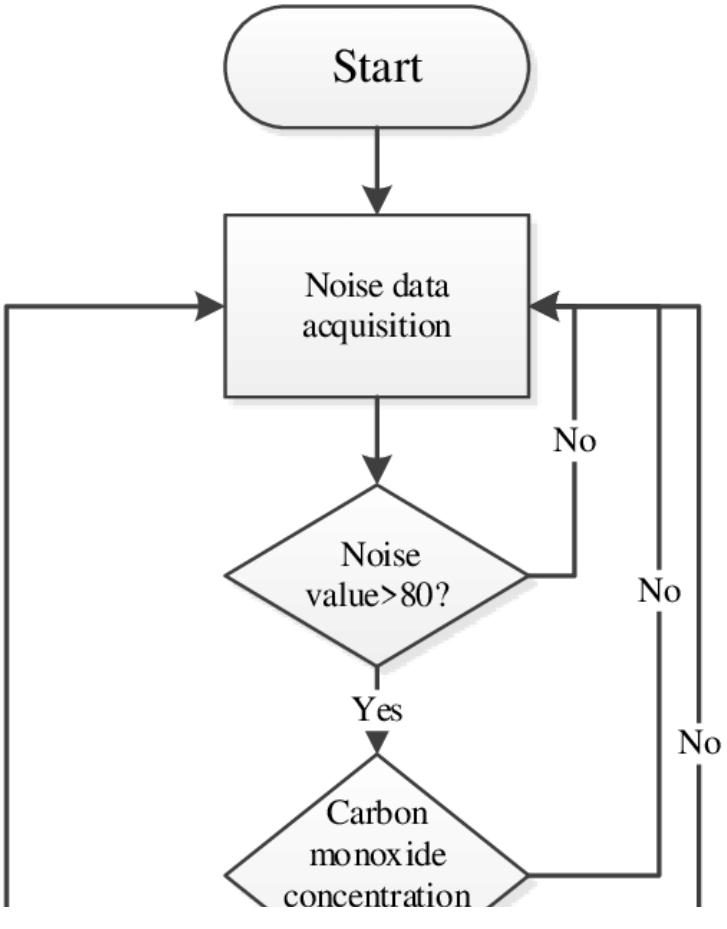
Problem Definition and Design Thinking:

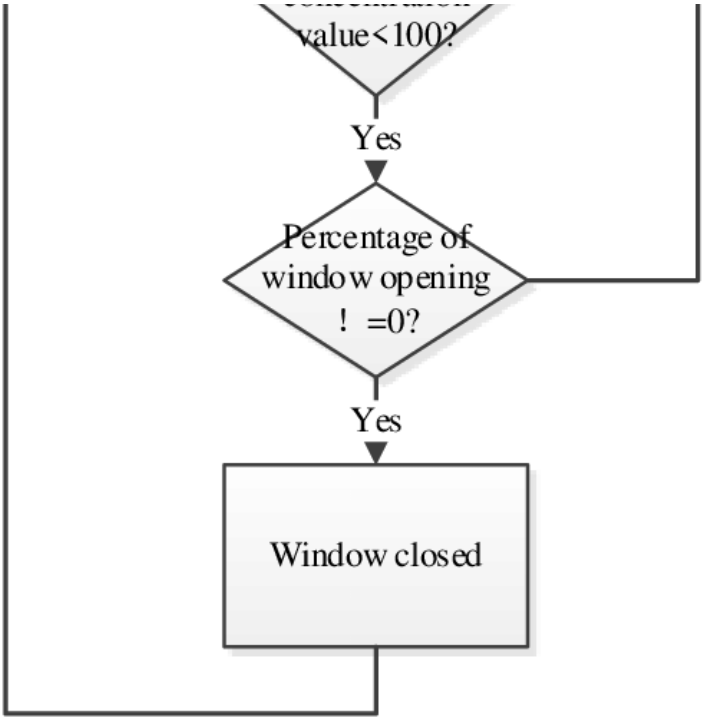
Problem Definition:

ABSTRACT:

Noise pollution is a growing concern in urban environments, negatively impacting the health and well-being of residents. This project presents an innovative solution for monitoring and managing noise pollution using Internet of Things (IoT) technology. The proposed system leverages a network of sensors strategically placed throughout the urban landscape to continuously measure noise levels. These sensors collect real-time data and transmit it to a central server, where advanced analytics and machine learning algorithms are employed to process and analyze the data.

Design Thinking:





REQUIREMENTS:

- **Microcontroller or Single Board Computer**(like Arduino, Raspberry Pi)
- **Arduino cable**
- **Microphone Senso**(KY-038 or SLM)
- **Analog-to-Digital Converter**
- **Power Supply**
- **Connectivity Module**

Team members:-

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