

**Title:** Noise Detection System Using Modified Fast Fourier Transform Algorithm

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## **ABSTRACT**

In a noisy environment, a noise detection using modified fast Fourier algorithm plays an important role in noise reduction. A noise detection and classification algorithm using Fast Fourier Transform, can achieve extremely high detection rates. If noise detection system can detect sudden noises, it will make the system able to require the same utterance from the user and if sound card can be input, it will help prevent system operation errors.

**Keywords:** Noise detection, Fast Fourier Transform