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Air Quality Monitor

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Air Quality Monitor

Final Project Report

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Abstract

The general public has become aware of the quality of air that they breathe and would benefit from a product that could monitor gas concentrations in the household environment and inform the user of potentially dangerous gas leaks. Businesses that are concerned about the safety of the breathable air for their employees could also benefit from such a device. Research into the topic of air quality and how to effectively measure gas concentrations has been performed. Extensive research into individual components and software techniques that are utilized in the creation of the prototype are fully outlined. Hardware layout and design for the prototype has been thoroughly detailed. Software programming used to complete the project has been shown. System integration of the finished air quality monitor prototype has been displayed for the reader. The air quality monitor prototype that is outlined in this report has been determined to be a cost effective solution to keeping people safe and informed about air quality.

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