

Automated Smart Window

Abstract:

- The "Automated Smart Window" project aims to develop a system that automatically controls the opening and closing of a window based on environmental conditions and user preferences.
- This project utilizes sensor technology, actuators, and a microcontroller to create a responsive and energy-efficient window automation solution.
- The primary objective of the Automated Smart Window is to enhance indoor comfort, energy conservation, and user convenience by intelligently managing natural ventilation. The system integrates environmental sensors to monitor factors such as temperature, humidity, and air quality.
- This data is processed by a microcontroller to determine when to open or close the window.
- This abstract outlines the fundamental goals and components of the "Automated Smart Window" project, highlighting its potential to improve indoor comfort and energy efficiency through intelligent window automation.

