

Project name : THE FAN WILL AUTOMATICALLY TURN ON-OFF AND MEASURE THE AMOUNT OF DUST

Researcher name : Ms. Nantarat U-bontachart

Abstract

The research into automatic fans was invented to make users more comfortable to use and also saves on household expenses. The Automatic Fans has a closed system that depends on temperature. If the temperature is high or the weather is hot, the fan turn on. If the temperature is low, the fan turn off. The automatic fan consists of a kid bright board that is used to write the system into the fan engine. A fan used as a USB fan to make it easily to use and write programs. In addition to the automatic on-off system, it also can be measure the amount of dust inside the house, so that users will know the amount of dust in the house and will be protected in a timely manner.

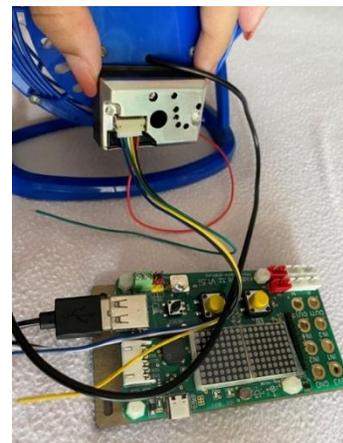
As a result of research, we found that.

1. When the temperature is over 25 degrees, the fan will automatically turn on.
2. When the temperature is below 25 degrees, the fan will turn off automatically.
3. The dust detector monitors when there is dust inside the house.

So, the “Automatic Fans” working only when the temperature is above 25 degrees, will turn off when the temperature is below 25 degrees, and it also has an accessory for measuring the amount of dust inside the house.



Automatic Fans equipped with kid-bright board



Dust sensor connect to kid-bright board

AUTOMATIC FANS