EXTRACTOR FAN IOT PROJECT

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What is the Problem?

Most of The homes nowadays have extractor fans, but they all ancient, and require to be activated by switch

All "smart" fans that exists nowadays are not modular, meaning you need to replace the entire thing if it breaks

And the last problem, replacing them or even buying new one costs triple of not more than just an ordinary extractor fan

What is the Solution?

We Designed a modular and simple system that is able to attach to any extractor fan in any house

The system will be able to monitor the room temperature and humidity automatically and data is analyzed in the cloud

It will activate automatically for high temperature/humidity until it goes down

Providing User traditional way of using them

What are the results?

We have tested the system in both bathroom and kitchen environment

- The system was able to successfully show analytics graphs in the application data up to what user have selected (Ih up to Iw of data)
- The system is able to use traditional way of activating by using switch as user prefers
- We have witnessed that the system preformed as expected by automatic activation in all scenarios
- We have witnessed that the system might take up to 5 secs to detect change in humidity/temperature to activate the fan

