

Temperature Controlled Fan Projects

Simply this project is to automatically ~~to~~ control the speed of the fan based on the room temperature. I choose it because it is simple and doable. It's my first time of doing a project. *is that a good reason?* Also its so helpful if you look around people still use fans for multiple causes.

Related systems?

When I was looking around to decide what to choose to be my project I looked at couple of simpler embedded system projects and they were not applicable for everyday life as much as the temperature controlled fan. I saw a project about designing a security door lock and I think it will cost more because I need to buy the lock. The once either was too hard or something I know how to use it.

No FairCam.

(9/15)

My goal for this project is to finish it as perfect as it should be. However, I would like to use it my daily life.

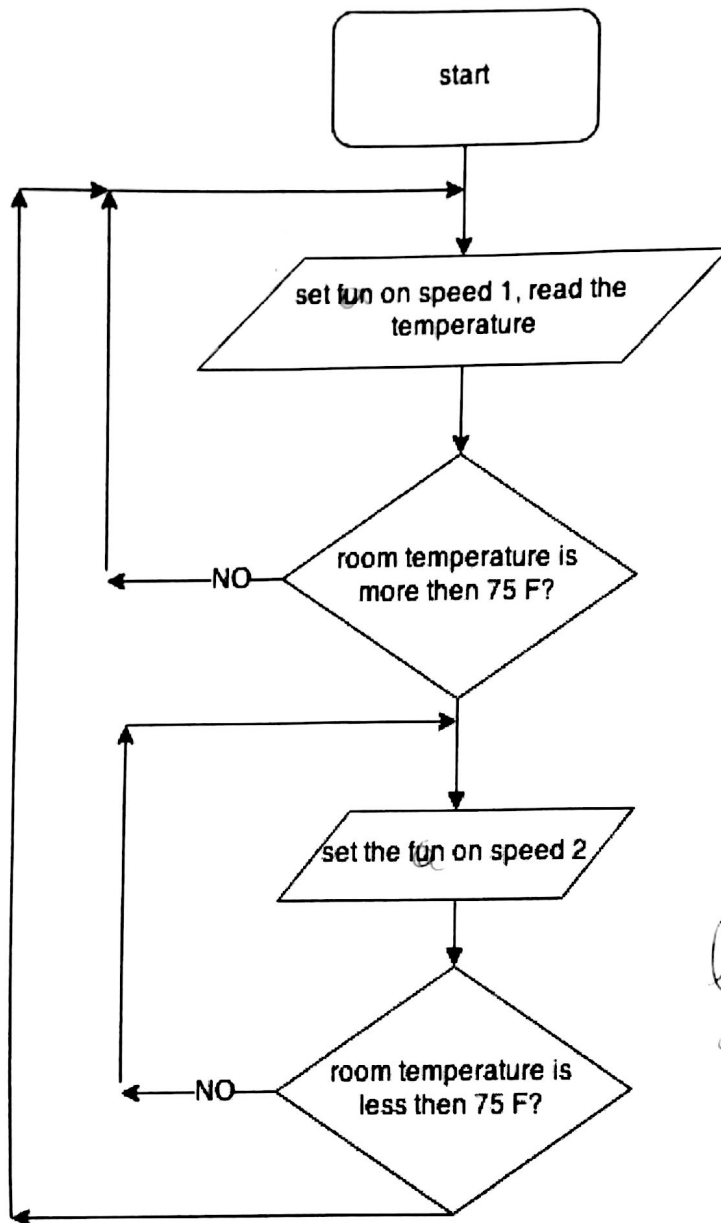
Also I bigger goal for this project is to use it in different application. For example, if I can control a smaller fan I can do other ^{too colloquial} stuff with it like cool a computer system or so.

I expect this go be easy done and not too complicated. I would rather to made something simple but works perfect then making something complicated and does not work well.

If you look at the flowchart I am providing down there. You will notice that there is not different speeds if the temperature is more then ^{why?} 75 F then the fan will switch gears to speed 2. Then if the room got cooler and

It's a formal report, not an informal chat...

the temperature dropped below 75 F it will go back to speed 1.



way too simple.

label the figures / diagrams

In order to that I am going to use LM35 sensor, which will transfer the data as digital signals and send it to my micro controller (Arduino). The mirco controller

only device you will be using?

Kernal 2.4 / 01d

will read the data and decide if we need to speed up the fan or not.

Assumptions:

I think the system will do in stable temperature room then outside.

I don't think I will use a FairCom in my project because I am not used to it and I don't understand how it work and I am afraid it will make it much complicated.

Time line?

Milestones?

Strengths/limitations?

Concepts from the class?