

Chapter 7

Results and Conclusions

Results that obtained due to system implementation and testing are observed and recorded in this chapter. These results are recorded according to test procedures and give a good impact about the system behavior. The results are studied and analyzed providing an important conclusions mentioned in this chapter.

7.1 Sensor Unit Results

DHT 11 Sensor response is very sensitive to humidity and temperature. When the humidity or temperature exceeds the limit required for keeping the medicine inside the pharmacy, the sensor senses it and sends a signal to the controller until it is processed and then send a signal to the fan until you turn to save the medicine.

7.2 Prototype Operation Results

All system components are combined to get whole prototype and then activated. The system operates as expected and give a good results that can be summarized as follow:

- 1- When the person open the pharmacy, at first appears on the screen time and date.
- 2- if the person press(F1), you can go to gate (F1) it have expire date of medicine, but if the person press(F2), you can go to gate (F2) it have name of medicine and the time to take it, although if the person press(F3), you can go to gate (F3) it have information on temperature and humidity, also - if the person press(F4), you can go to gate (F4) it have alarm system, and all system when press # go out from the gate and return to time and date.

