

Economical infant incubator model



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introduction

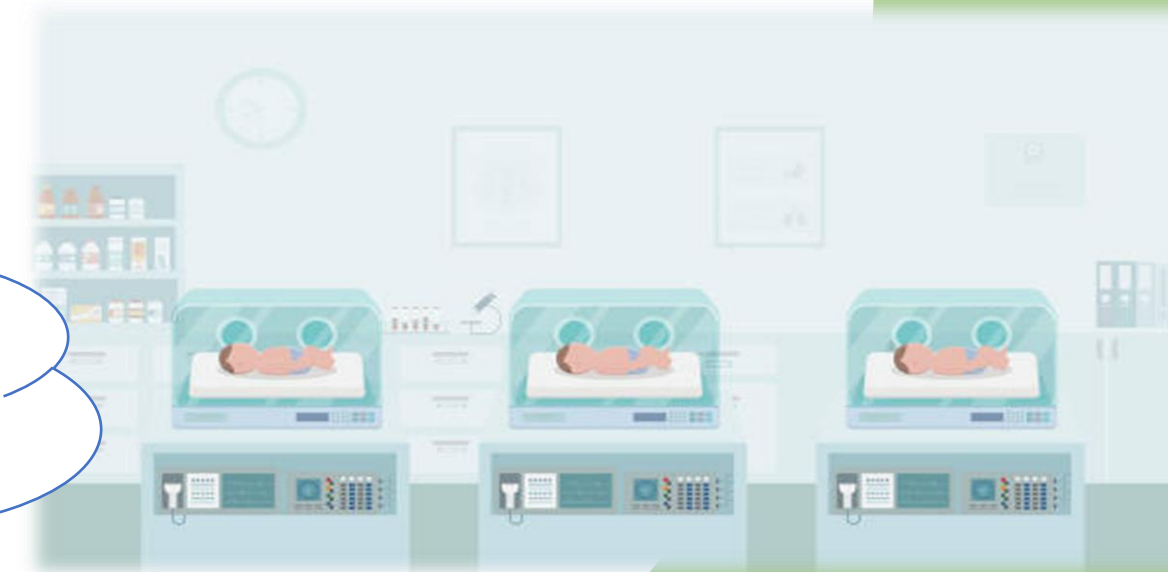
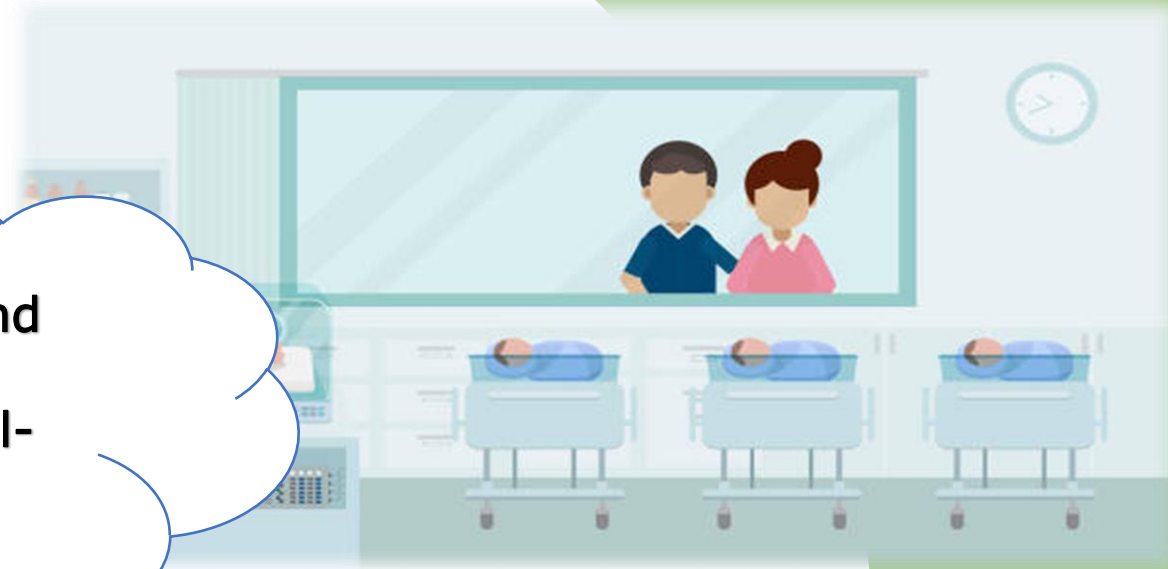
healthy environment

- ❑ used for small and weak babies
- ❑ for some sick full-term babies.

cabinet keep the baby in a neutral environment for medical care

Neutral

- ❑ surrounding air has the optimal temperature and humid.
- ❑ baby needs minimum of energy to maintain normal body temperature.



Our Economic incubator model for infants:

Project Idea

Why this project over others?

Who benefits from the project?

Time project took:

Total cost



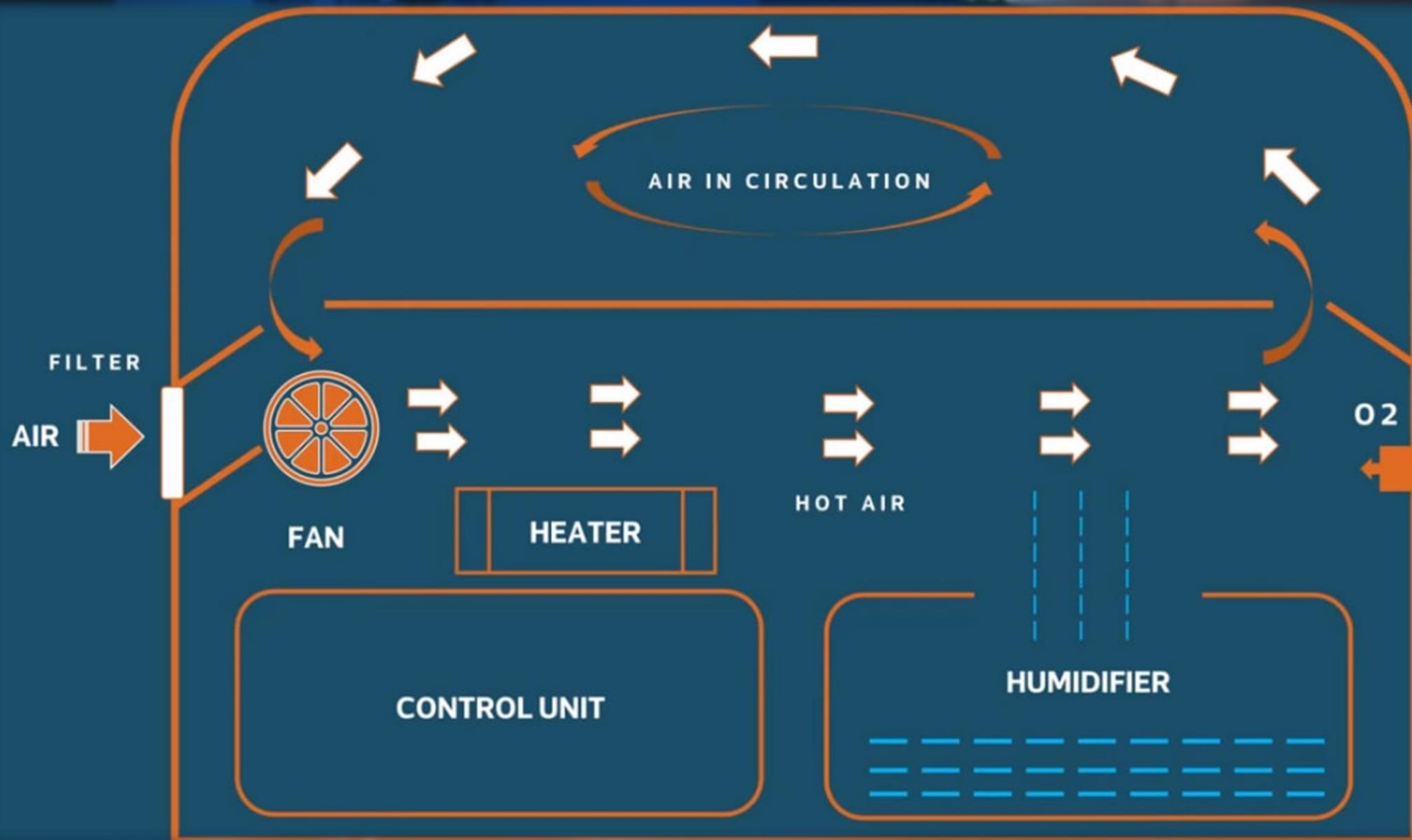
What's new in Design

This project was done manually by recycling plastic products and wooden boxes.

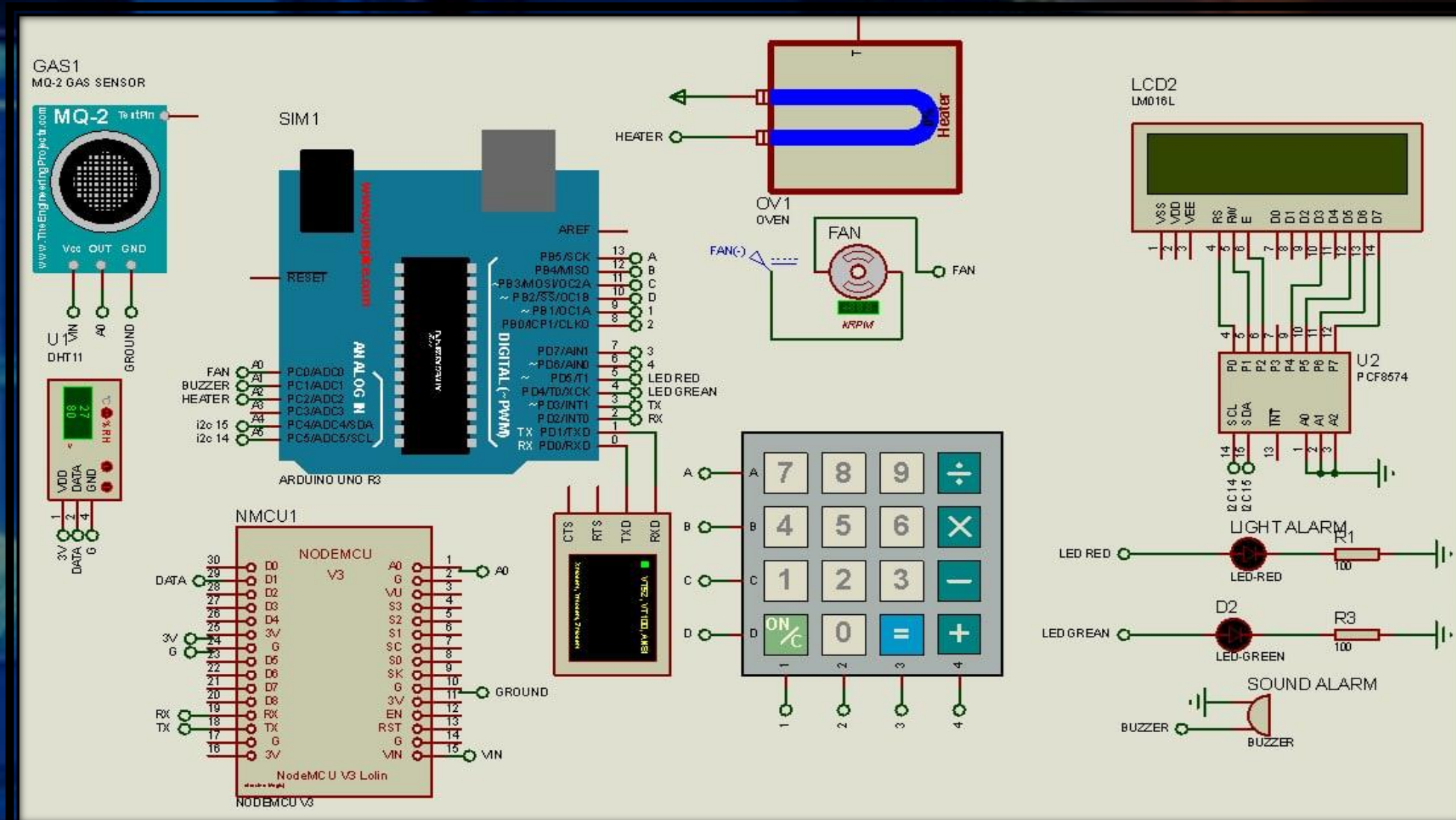
Therefore, the design was not expensive and preserves the environment.



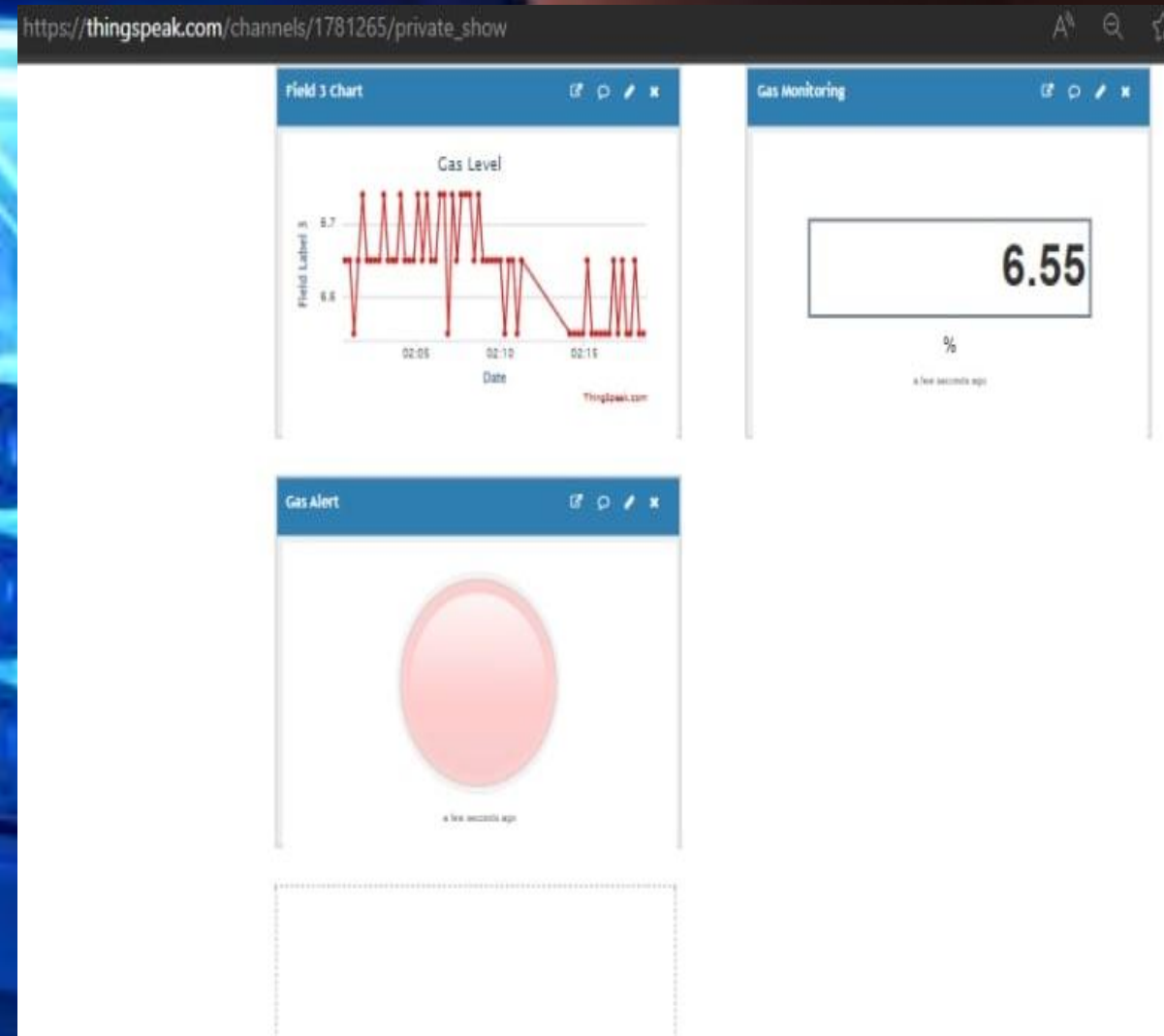
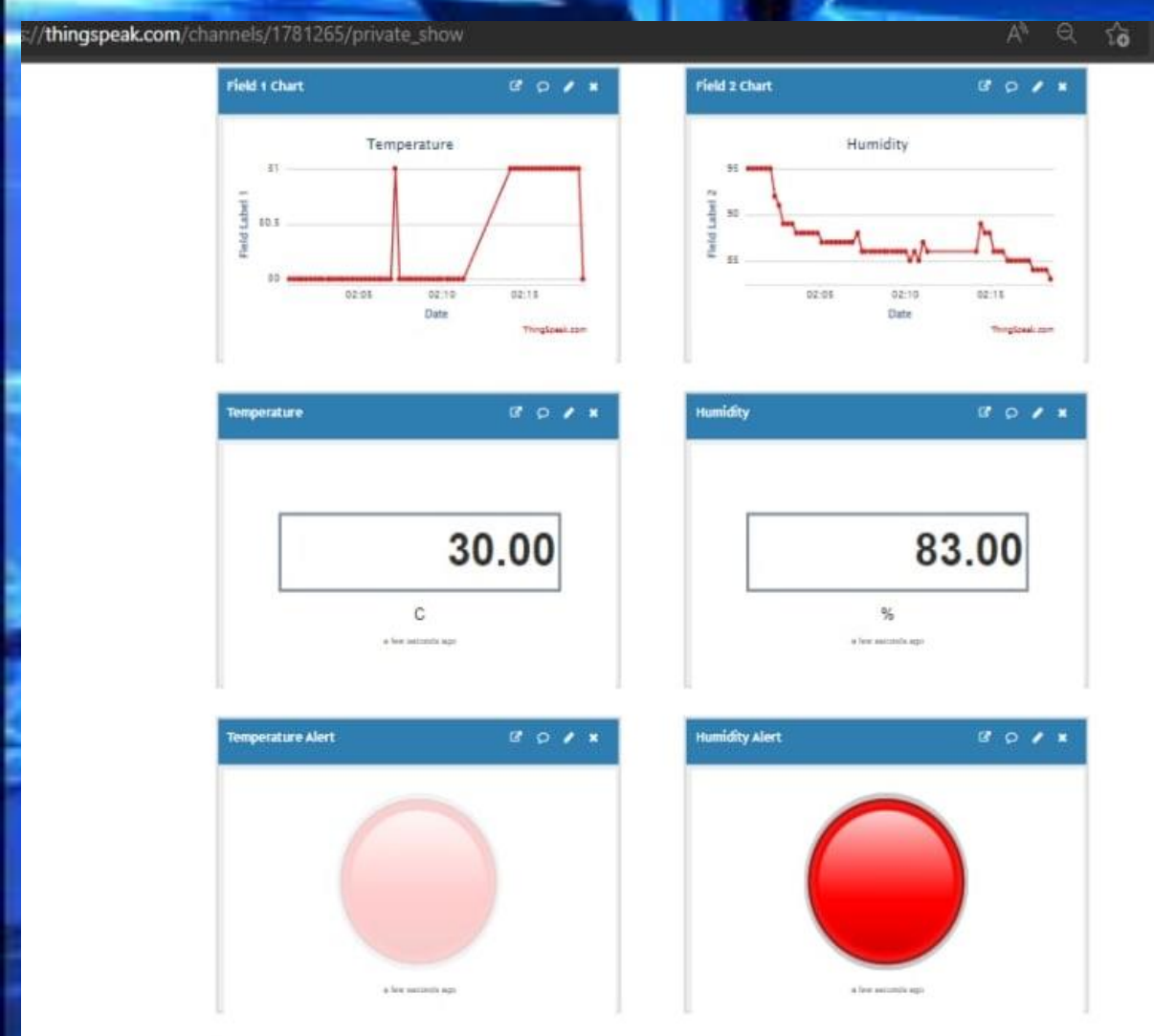
Block Diagram



Project Simulation



Cloud Data





Co2 sensor



Push Button



resistance



i2c



Lcd 16*2

Components



Esp8266 Wi-Fi



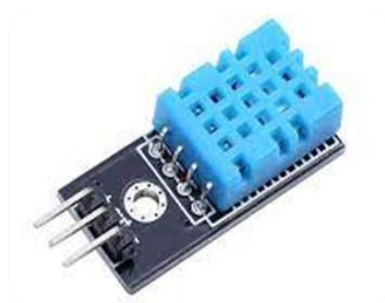
Fan



wires



Arduino



Temperature & humidity sensor



keypad



led



buzzer

Advantage

Low-cost

Easy control of temperature

Low power consumption

Easy monitoring

Well-insulated

Easy to build and use

Accessibility of materials

conclusion

- The incubators currently exist, but they are far too expensive ,so We are developing a thermodynamically advanced low-cost incubator suitable for operation in a low-resource environment



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Thanks

