

Simulation of a Car's Window

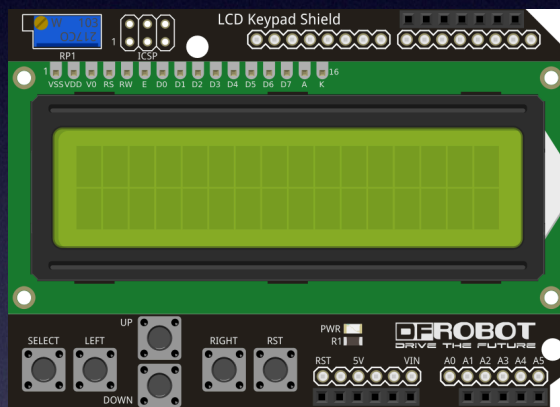
Final Course Project

Goals of the project

- Develop a complete application based on the Arduino one micro-controller Board
- Improve the knowledge of the hardware and software elements used in the course
- Implement the application in order to be user friendly

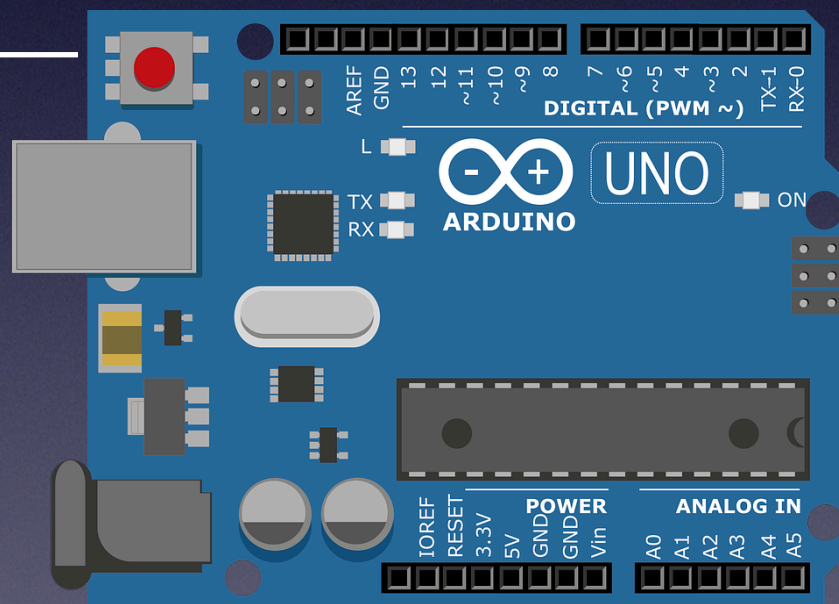
Hardware used

LCD keypad Shield

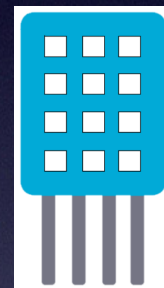


SPI

Arduino Uno board (ATmega328/P)

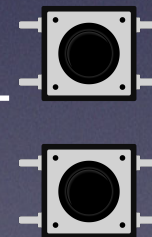


Humidity/temperature sensor DHT12



I2C

Buttons



I/O

Overall description of the application

How it works?

If button pressed



Show-bar up or down



If anomaly



Alarm



Conclusions

- We have been able to develop an application which simulate a car window with an LCD
- Our knowledge about the course has been improved with this project
- The application is user friendly
- Is the first step to control real windows

Thank you for your attention

