

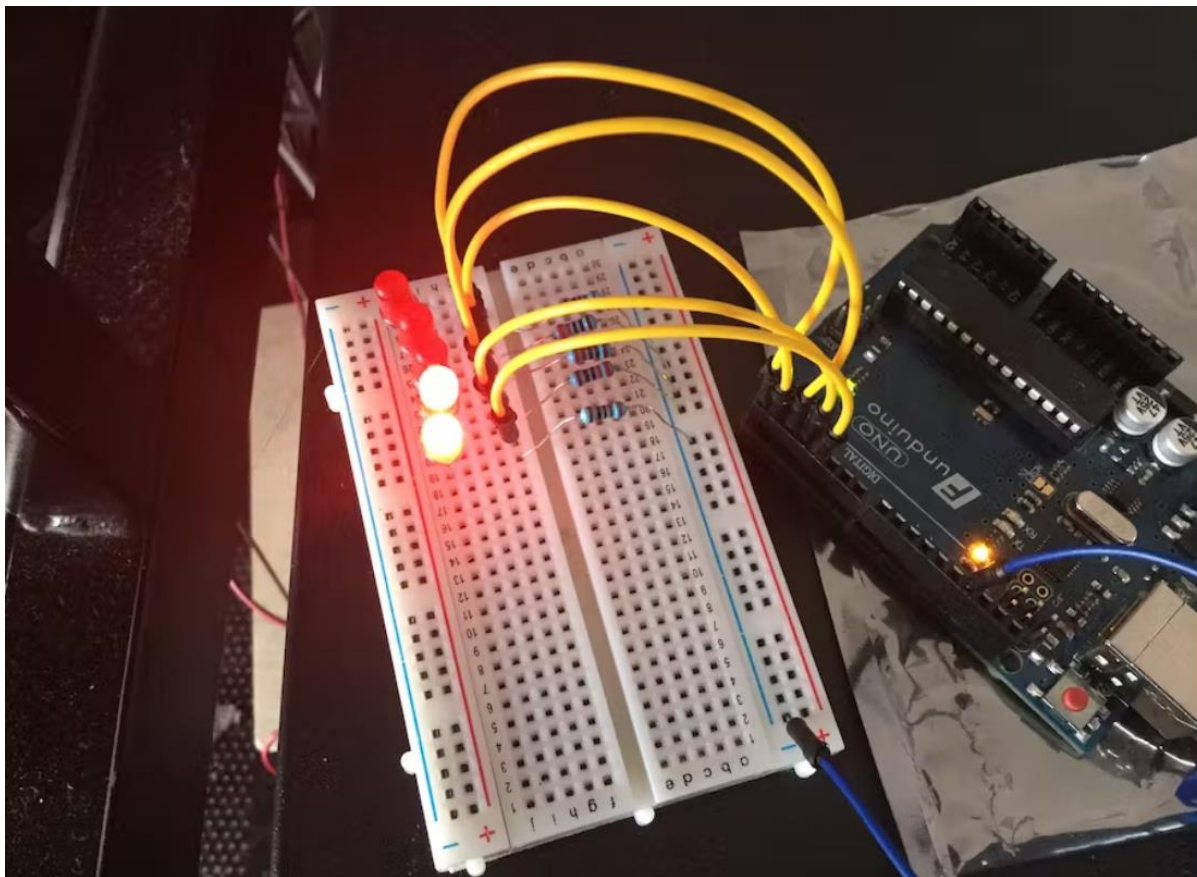
WORKSHOP MORS ALPHABET WITH ARDUINO

Project title: Let's teach each other
Project number: 2019 -1 SK01- KA229-060637
Date: 28/03/2022

This workshop is designed for beginners to introduce them with Arduino in an entertaining way. The end goal is making participants use Arduino for creating a LED circuit that indicates their names.

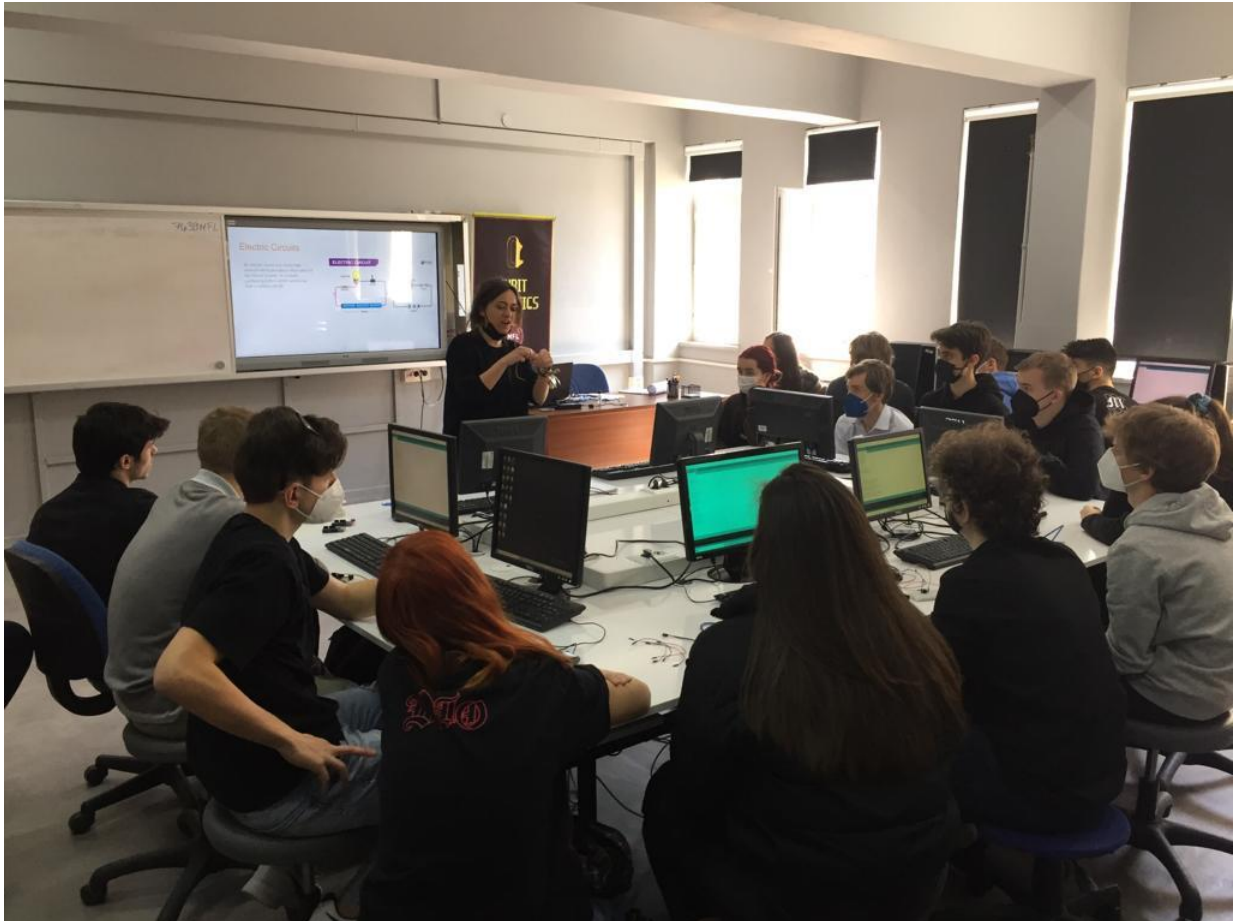
Components:

- 1) Arduino UNO
- 2) Power Source(Computer)
- 3) Breadboard
- 4) LEDs
- 5) Jumper wires
- 6) Resistors
- 7) Push Button
- 8) Buzzer



Steps:

- 1) Presentation of OHM's Law, Arduino, electronic components, breadboard.
- 2) Participants started to build their own circuit.
- 3) Presentation of how to create a program that controls LED's.
- 4) During presentation participants started to write their own code on Arduino IDE.
Facilitators helped them when needed.
- 5) Presentation of Mors Alphabet.
- 6) Participants write a code that indicates their names on Arduino IDE.



In this workshop participants learned;

- 1) How to use some basic electronics components: resistor, LED, buzzer, button.
- 2) How to build a circuit.
- 3) How to program an Arduino and why it can be useful.
- 4) Mors Alphabet.