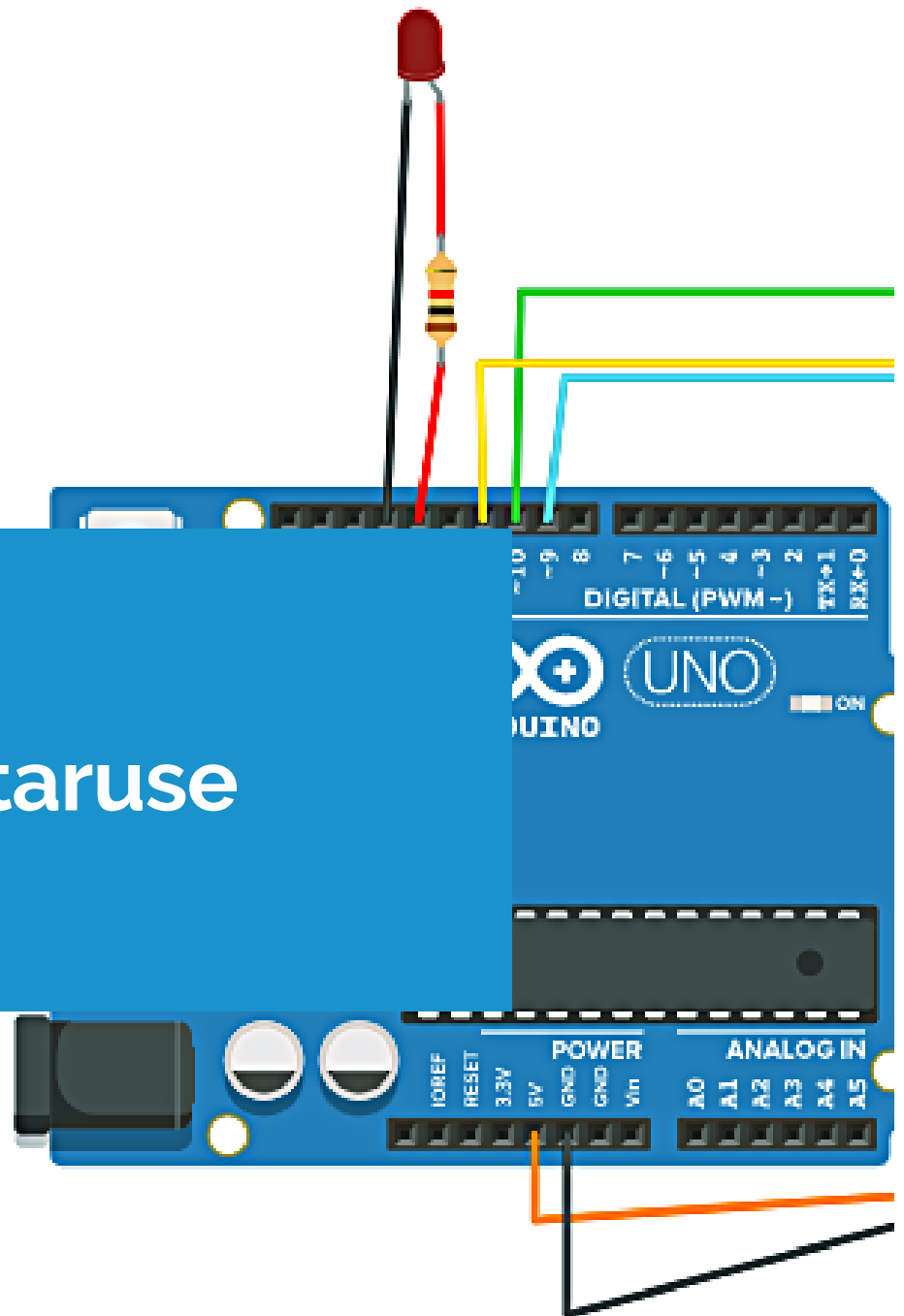


Heather Mataruse

IOT Assignment 2





- **Led:** This is a light-emitting diode ,which will blink when the distnce is below 60cm
- **The Arduino Uno R3 :** a microcontroller board based on a removable, dual-inline-package (DIP) ATmega328 AVR microcontroller. It has 20 digital input/output pins (of which 6 can be used as PWM outputs and 6 can be used as analog inputs) and it help to build connected objects in a quick, easy and secure way
- **Resistor:** This will limit the flow of electric current
- **Ultrasonic distance sensor:** This will measure the distance to a wide range of objects hence it will help measure when the object is greater than 60cm or less than 60cm
- **Piezo:** this will convert any energy created by changes in force, acceleration, temperature, pressure, or strain into an electrical charge
- **Breadboard:** It will help in making quick electrical connections between componests

The video explains how the system works: [Video](#)

