Project #2, QUID Shashank Noubade

Why?

* To design a Magic Wand which can output different light effects for different movements.

Green



Red



How?

* Designed PCB for PIC16LF1829 to interact with accelerometer KXTJ3-1057 using EasyEDA CAD tool

RGB LED

USB

Accelerometer

Debugger

Voltage Regulator (+5VUSB to +3V3)

PIC16 Microcontroller

A computer chip with a red button

Description automatically generated

Future

* Develop firmware for PIC16LF PCB.
* Design and 3D print a magic wand.