Circuit Development

Circuit Development The LED model we will be using for this project is: YSL-R596CR3G4B5C-C10.

Forward biased voltage for those LEDs are between 1.8-3.3v.

 Forward current id between 10-30mA. Our Arduino uno operates on 5v.

The equation we need to calculate the resistance is: Vs-Vd/iF or 5-1.8/15 mA = 213.33 ohm.

Since we don't have a resistance built with 213.33 ohm. We will be using 220 ohm which is widely available.