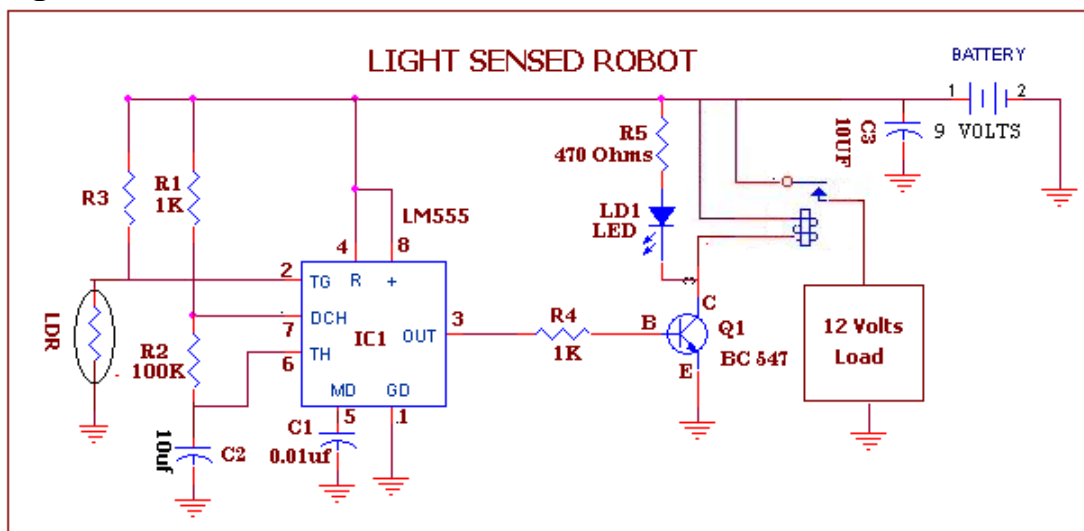


Light sensed Robo:



This is a LDR sensed monostable trigger circuit switching on a relay switch. The LDR resistance falls down with the intensity of light falling over it, resulting in a low trigger voltage to pin2 of ic1. The Output is switched ON for 1 second, decided by R1, R2 & R3. The Relay switch connected at pin no.3 using a NPN transistor BC 547 Switches ON a DC motor for the Robotic movement. Therefore whenever the light falls over the LDR the robo starts moving following the light. This circuit is operated with 9volts to 12 volts. To build a robot we need 2 such circuits for left wheel & a right wheel control.

Components used: R1 = 1k resistor R2 = 100k resistor R3 = Resistor R4 = 1k resistor R5 = 470E resistor, C1 = 0.01uf capacitor, C2 = 10uf capacitor, C3 = 10uf capacitor, Q1 = BC 547 NPN transistor LD1 = L E D, IC 1 = LM 555 (with base), Battery, 12 volts load = 12V relay.

