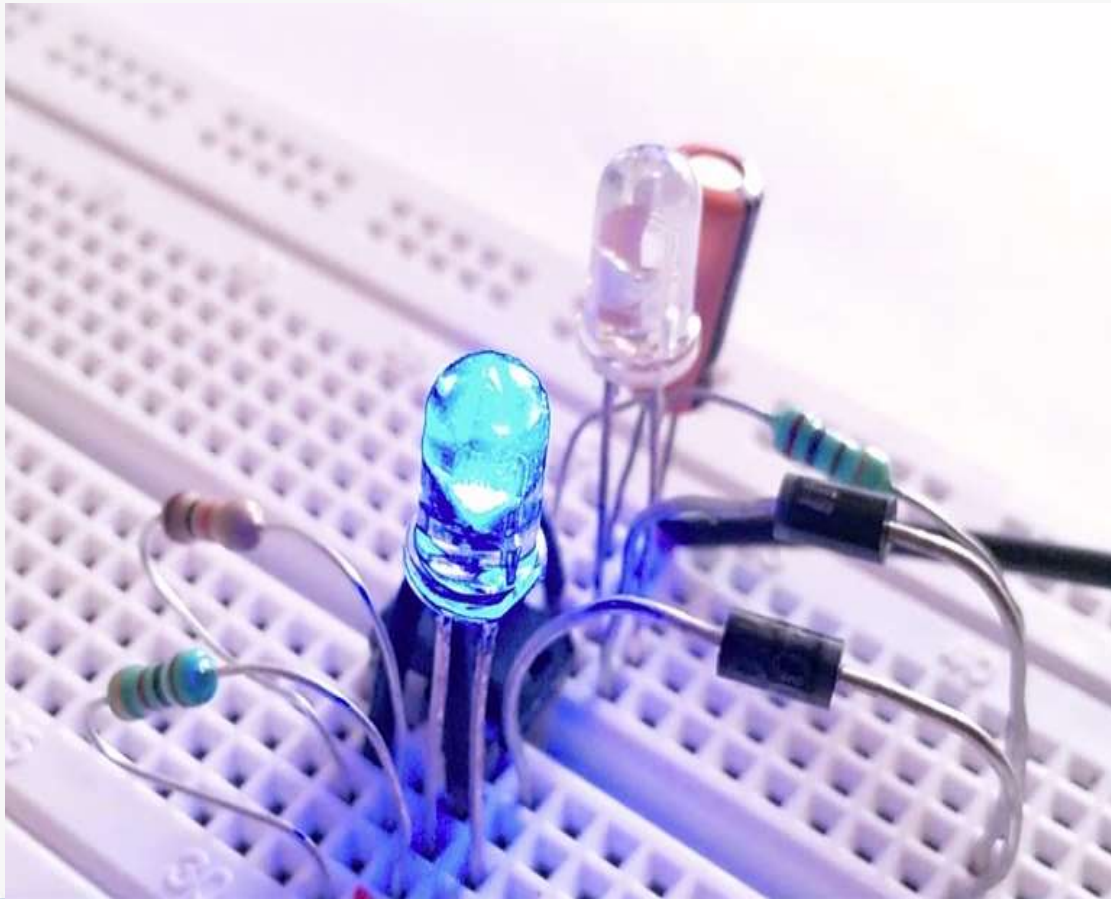
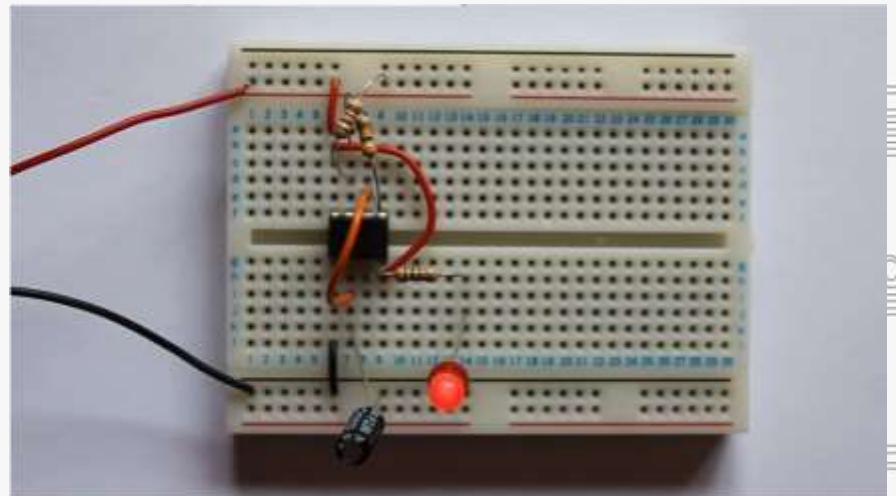


LED Flasher using Timer IC 555



About project

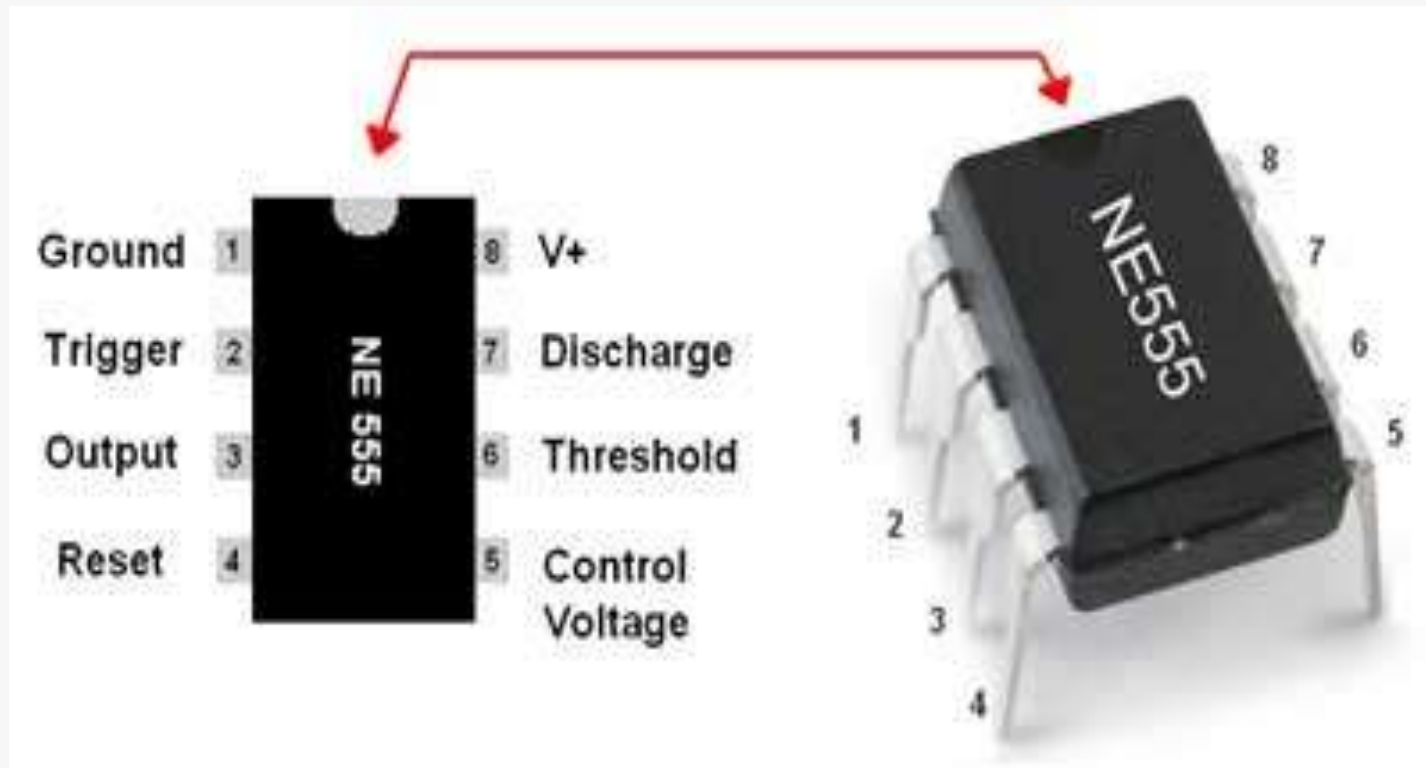
The circuit diagram of LED flasher based on NE555 timer IC. The circuit uses NE555 timer IC wired as Astable multivibrators. The circuit can be powered from anything between 6 to 15V DC. This project is to flash/blink LED at an interval of around 500ms.



Timer IC 555

- Here is a pulse/frequency generator using the popular timer IC 555 which is wired as an Astable Multivibrator. The output pulses can be indicated visually by the LED. This circuit does not require any external trigger to change the state of the output, hence the name free-running. This circuit can be used in applications that require clock pulses.
- An Astable Multivibrator can be produced by adding resistors and a capacitor to the basic timer IC 555. The timing during which the output is either high or low is determined by the externally connected two resistors (R_1 & R_2) and a capacitor (C_1).

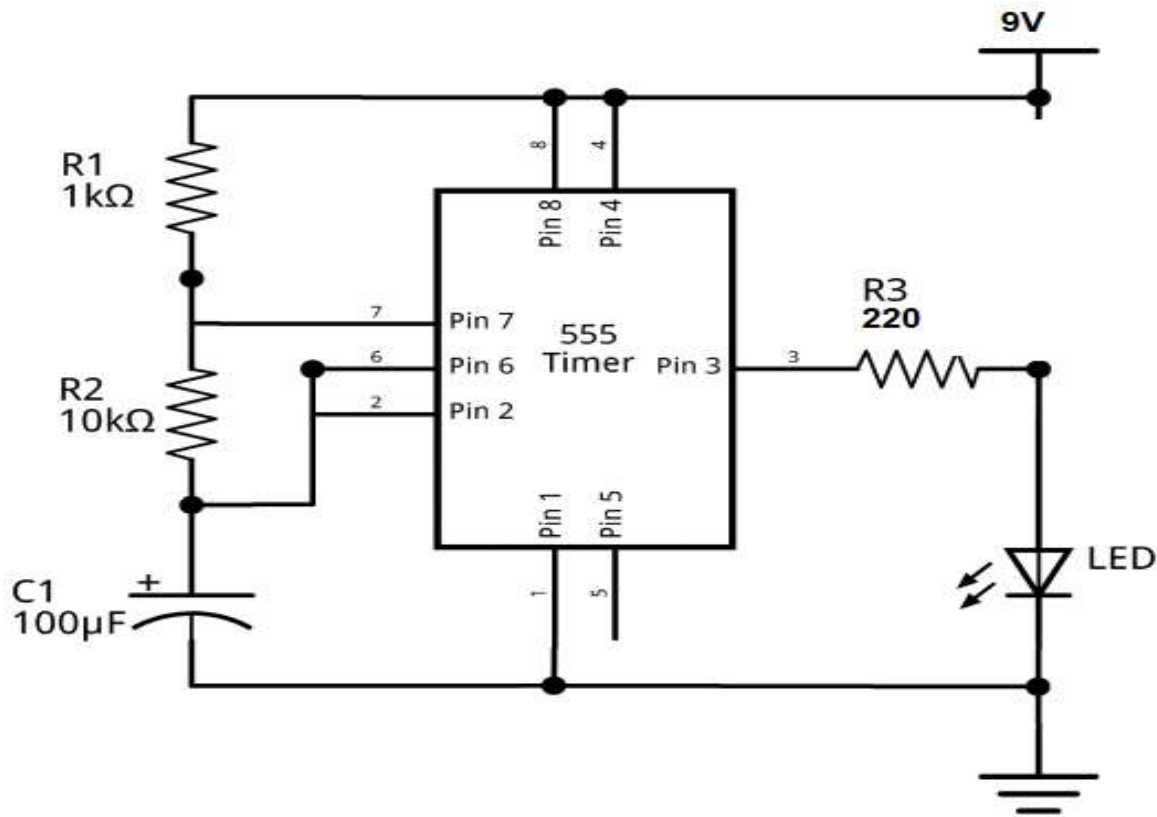
Pin Diagram



Components Required

- 555 Timer IC
- One 10k , One 1k and One 220 ohm Resistors
- 100uF capacitor
- LED
- Breadboard
- +9 Volt Battery
- Battery Cap
- Connecting Wires

Connection Diagram



Project Link : <https://youtu.be/ZKHbdxcLYic>