

# **LIGHT FLASHER UNIT**

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## **ABSTRACT**

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The aim of this project is to design and construct a 'Light Flasher Unit'. It also let us to learn how to plans a schedule to do the project.

The basic concept to design a light flasher unit is using the timer IC unit, especially the 555 timer IC. In this circuit it is configured as an astable, which Is a free-running non-sinusoidal oscillator. That is connected with resistor and capacitor to form the timing network that sets the frequency of oscillation. This gives an output, which have frequency and the duty cycle. With this output signal it can flash the light with the duty cycle it set.

For this project, it is basically concerned with the construction, testing and application of the 555 timer to a circuit that need it to set the duty cycle and frequency.