

WHEEL OF FORTUNE

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ABSTRACT

The aim of this project is to design and construct a 'Wheel of Fortune'. It also lets us to learn how to plan a schedule to do the project.

The basic concept to design a Wheel of Fortune unit is using the Timer IC, especially the 555 Timer and the 4017 counter. In this circuit, the 555 timer 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 to the two 4017 counter to activate the ten spike-free decode active HIGH outputs, an active LOW output from the most significant flip-flop.