

ECE 491 Lab 1

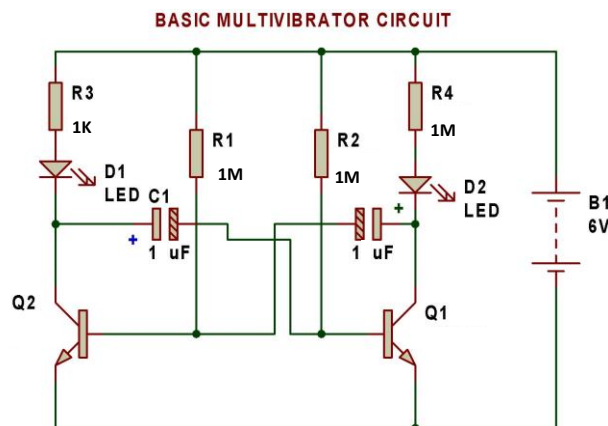
Soldering Basics

1. Introduction:

The purpose of this lab is for the groups to get familiar with soldering by constructing a simple multi-vibrator circuit and demonstrating its functionality to the TA

2. Circuit:

The following circuit (shown below) must be assembled, and functionality demonstrated to the TA. The circuit will be soldered on through-hole proto-boards. The groups are encouraged to first try the circuit on a bread-board, before soldering the components on the proto-board. The TA will evaluate the functionality for the circuit, as well as the quality of the soldering job during checkoff.



<http://www.buildcircuit.com/multivibrator/>

3. Checkout:

The group has demonstrated a functioning multi-vibrator unit soldered on the proto-board. The frequency of the multi-vibrator is _____.