



American International University- Bangladesh

Department of Electrical and Electronic Engineering

BAE1101: Computer Aided Design and Electrical Drafting

Title: Introducing with Electrical Symbols used for Electrical Circuit Design and drawing some Electrical Circuits using AutoCAD.

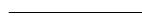
Introduction:

The Primary objective of this experiment is-

1. To familiarize students with Electrical Symbols used for Electrical Circuit Design
2. To draw some Electrical Circuits using AutoCAD.

LIST OF ELECTRICAL SYMBOLS

Direct Current



Alternating Current



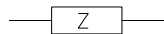
Resistor



Non-reactive
Resistor



Impedance



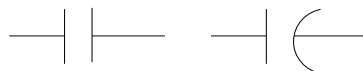
Inductor



Winding



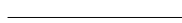
Capacitor



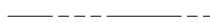
Earth



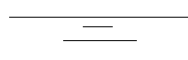
Line or cable: existing



planned



Underground Cable



ELECTRICAL CIRCUIT DESIGN

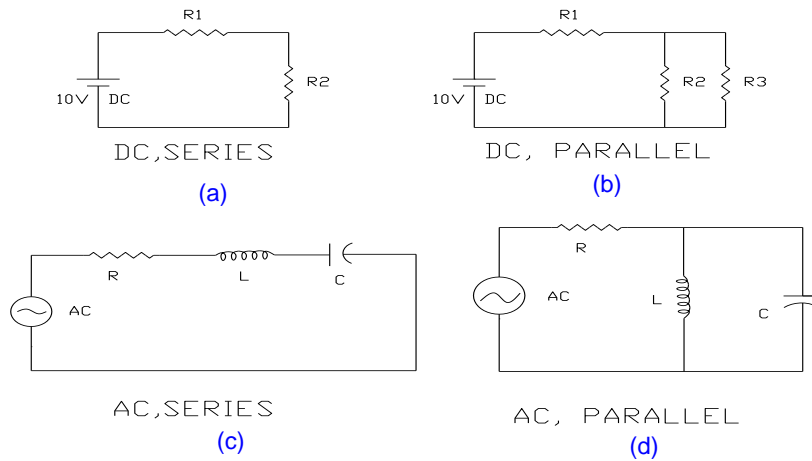


Figure : 1

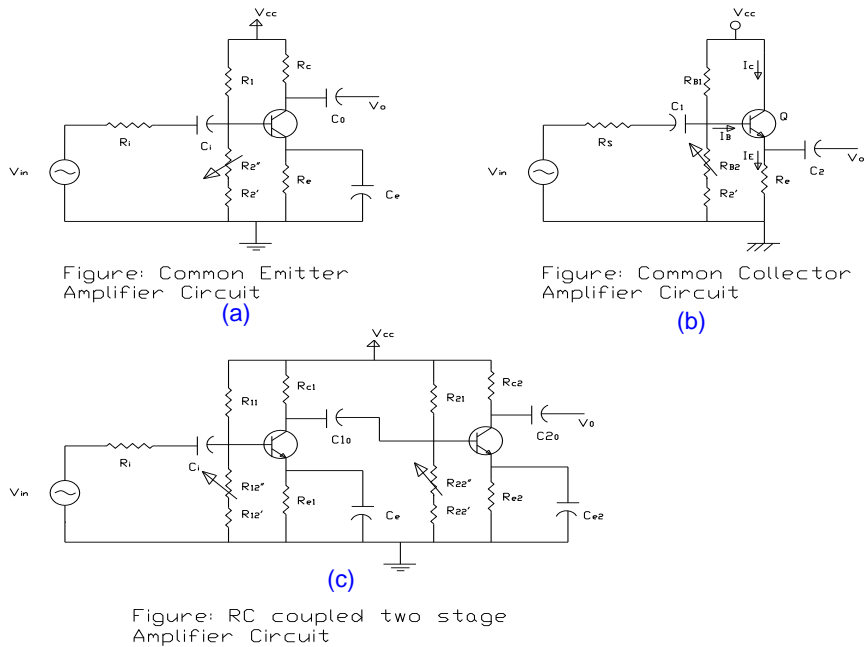
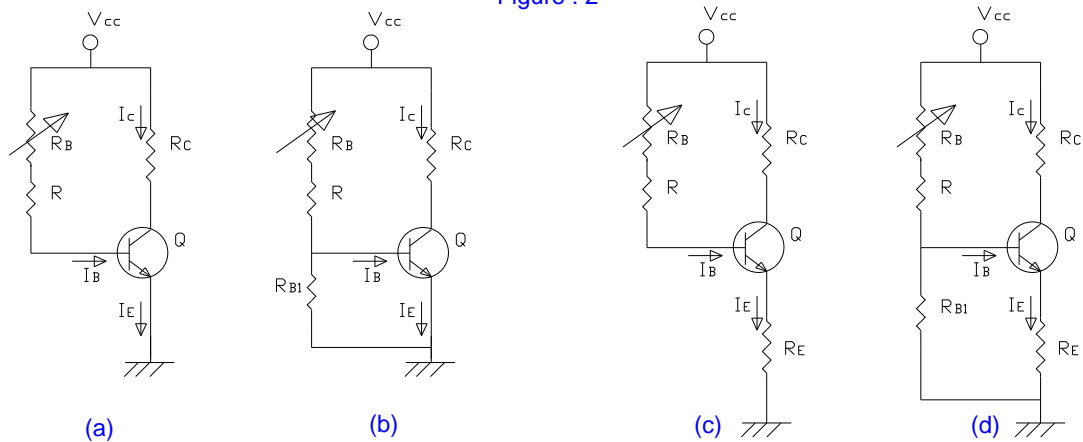


Figure : 2



Fixed Bias Circuit

Self Bias Circuit

Figure 3

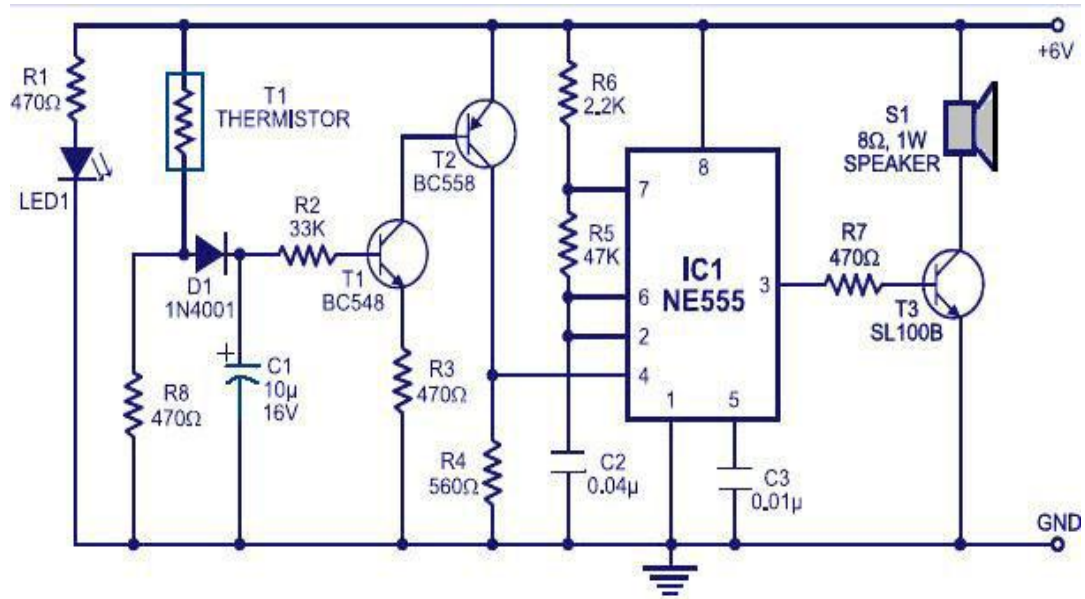


Figure 4

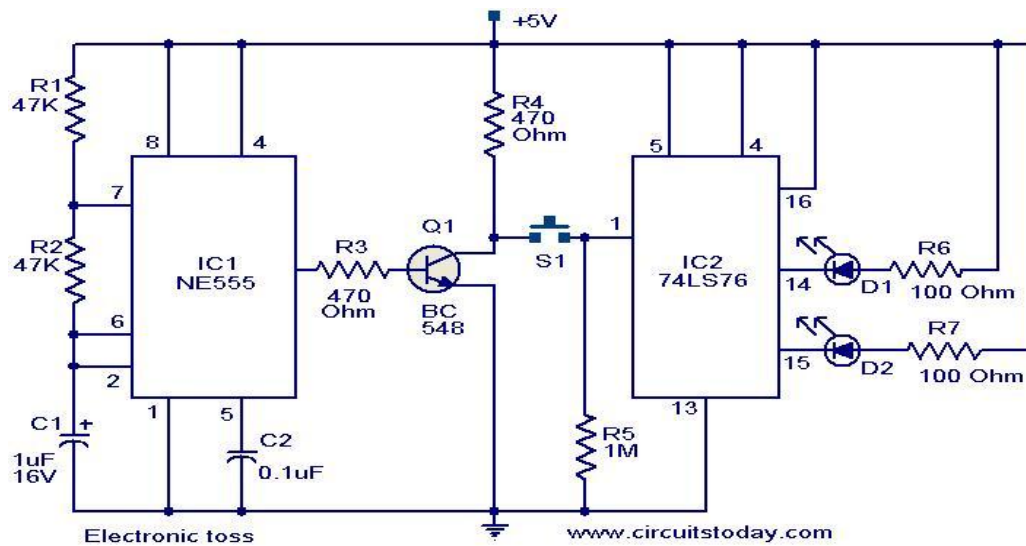


Figure 5

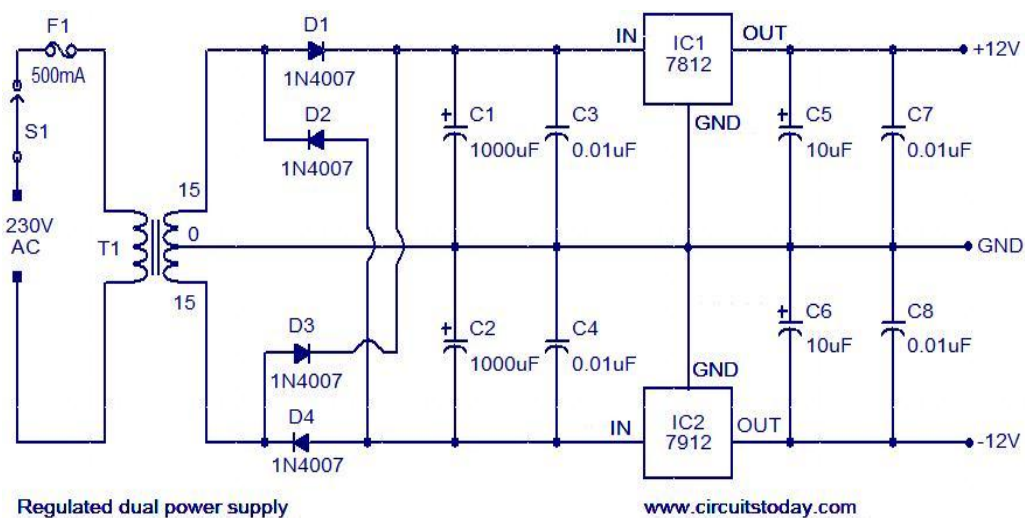


Figure 6

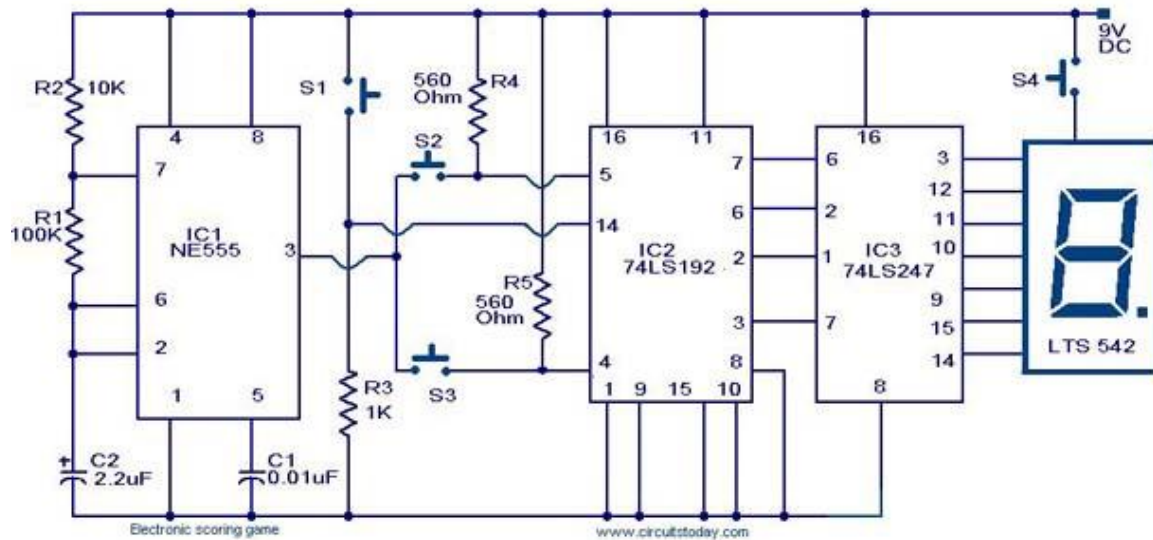


Figure 7

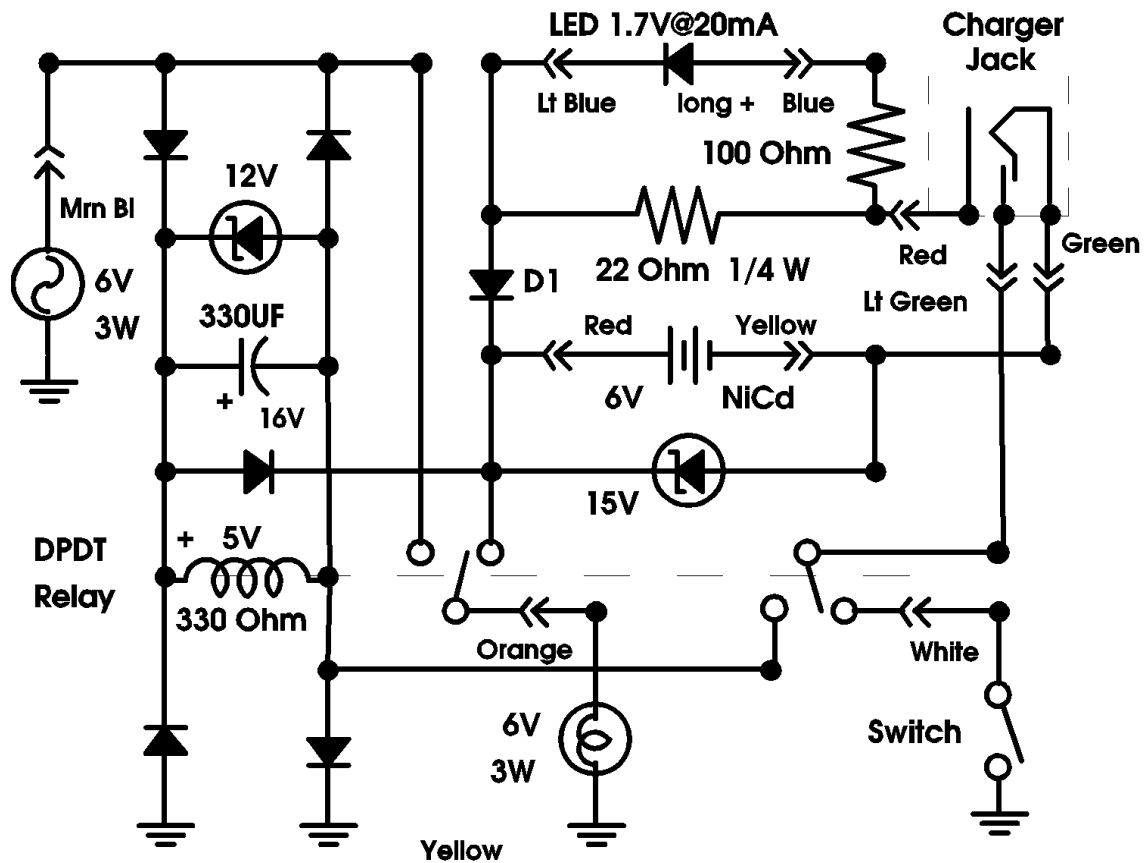


Figure 8

References :

- 1. Kristen S. Kurland , “AutoCAD 2004, 2D Training Manual”.
- 2. Bob McFarlane, “Beginning AutoCAD 2004”
- 3. David Byrnes and Mark Middlebrook, “AutoCAD 2007 For Dummies”.