

American International University- Bangladesh

Department of Electrical and Electronic Engineering

BAE1101: Computer Aided Design and Electrical Drafting

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

Introduction:

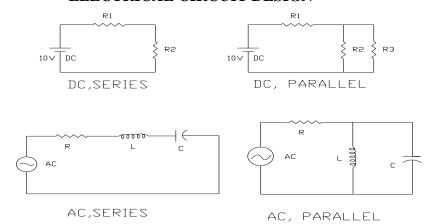
The Primary objective of this experiment is-

- 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	R
Impedance	Z
Inductor Z	
Winding	
Capacitor — —	
Earth	
Line or cable: existing	
planned	
Underground Cable	

ELECTRICAL CIRCUIT DESIGN



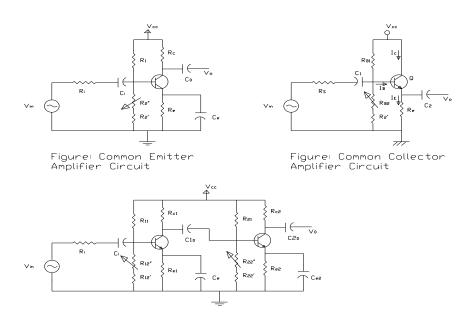
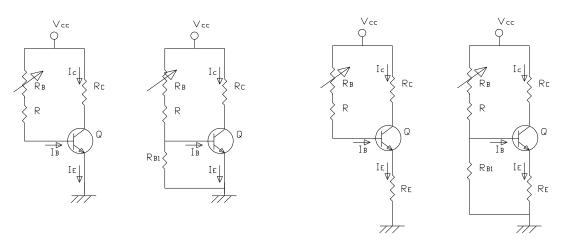
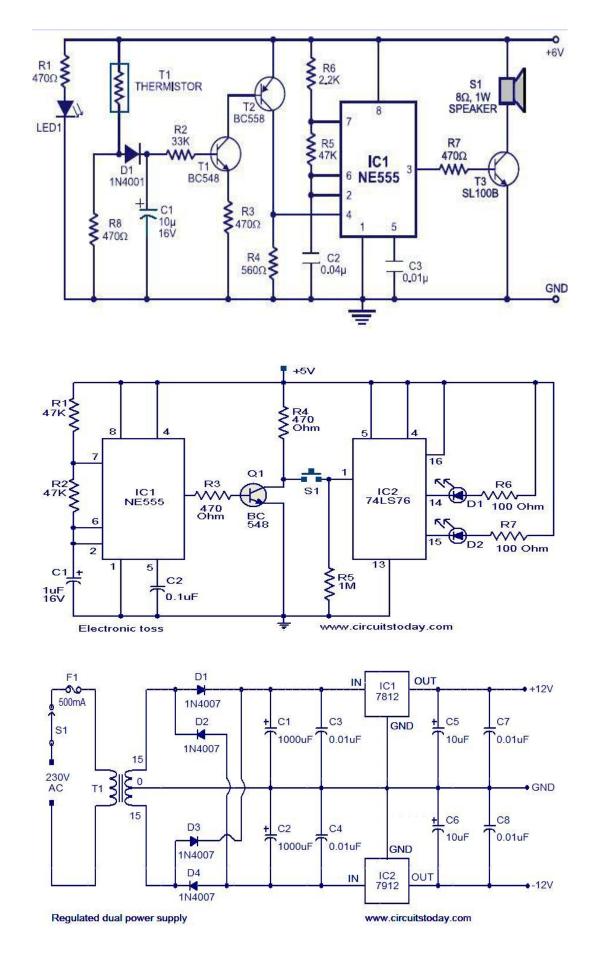


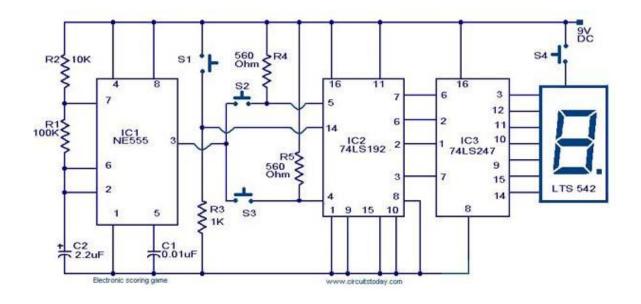
Figure: RC coupled two stage Amplifier Circuit

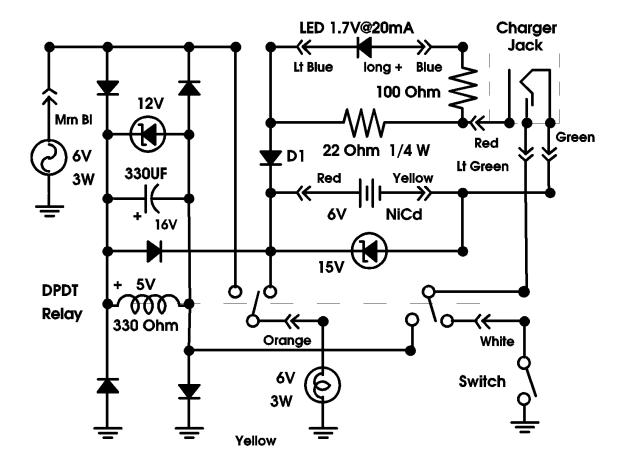


Fixed Bias Circuit

Self Bias Circuit







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".