**The University of Alabama**

**ECE 380**

**Lab 6**

**Priyanshu Sethi**

**Gaurav Shrivastava**

Introduction

In this lab, we used an 8-to-1 multiplexer 74151 and a 555 timer. We used them to make a combinational circuit and create clock signals for sequential circuits.

Procedure

1)- We implemented a four input majority function using a single 74151 multiplexer. We then, worked on creating functional simulations for the same.

2)- We then used the provided breadboarding kit to implement the same circuit as described in the above step.

3)- We watched the given youtube video and worked on creating a clock signal using the breadboard and 555 timer.

Images