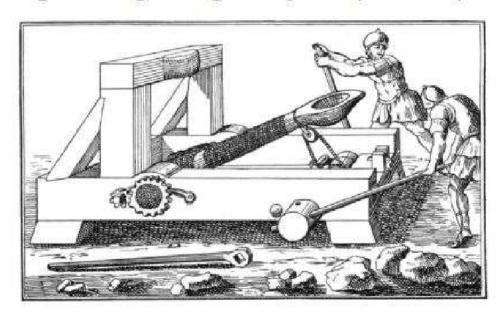
<u>CLASS:</u> - 2CO28 <u>GROUP:</u> - 2





Handout/Assignment-1 for Engineering Design Project-I (UTA013)

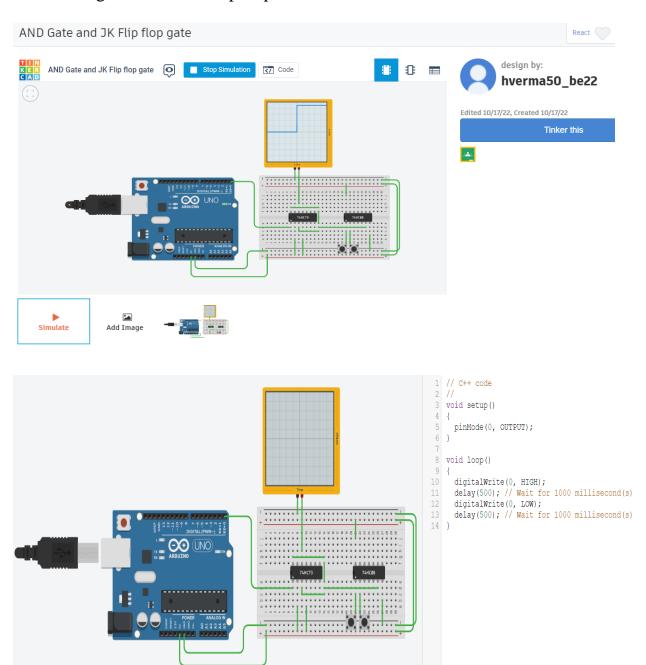


INSTRUCTOR INCHARGE

<u>CLASS:</u> - 2CO28 <u>GROUP:</u> - 2

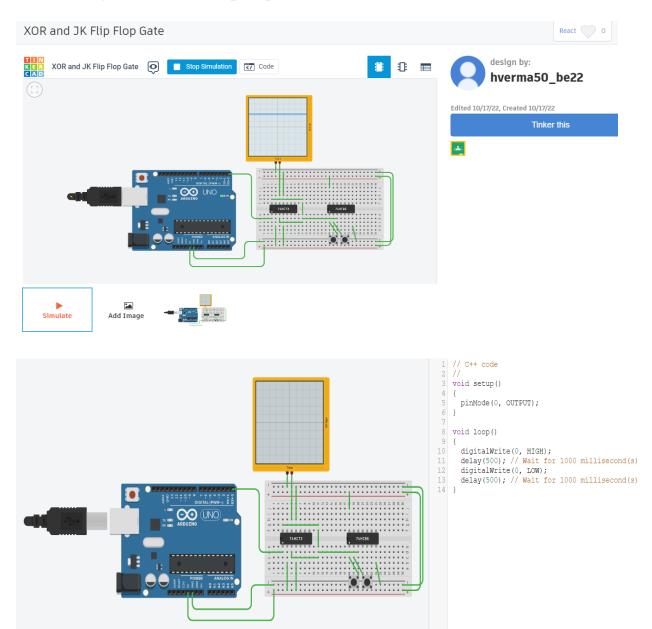
Assignment Tasks:

- 1. Obtain the required signal for Arduino shown in figure 2 using at least two different logic gates (explain using waveforms).
- a. Using AND and JK flip flop Gate



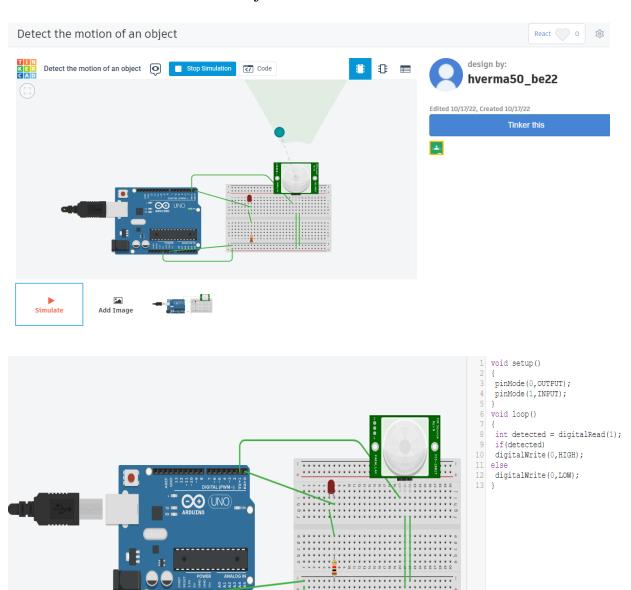
<u>CLASS:</u> - 2CO28 <u>GROUP:</u> - 2

b. Using XOR and JK flip flop Gate



<u>CLASS:</u> - 2CO28 <u>GROUP:</u> - 2

- 2. Using Tinkercad, design the following sensor based micro-projects to:
- a. Detect the motion of an object,



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b. Measure distance between an object and the sensor itself

