**Handout #1**

**Ex 1. Motion Sensor – LED Test**

Save this as MSLedTest.py

#Library

from gpiozero import MotionSensor, LED, Buzzer

from signal import pause

from time import sleep

#Variables for Components

motion\_detector = MotionSensor(4)

red\_led = LED(12)

buzz = Buzzer(16)

buzz.off()

#Logic of System

motion\_detector.when\_motion= red\_led.on

motion\_detector.when\_no\_motion = red\_led.off

pause

**Ex 2. Motion Sensor – Buzzer Test**

Save this as MSBuzzerTest.py

#Libraries

from gpiozero import MotionSensor, LED, Buzzer

from signal import pause

from time import sleep

#Variables for Componenst

motion\_detector = MotionSensor(4)

red\_led = LED(12)

buzz = Buzzer(16)

#Logic of System

buzz.off()

motion\_detector.when\_motion= buzz.on

motion\_detector.when\_no\_motion = buzz.off

pause