We are keeping zigbees in AT mode as of now, so that we don’t have to specify the destination address

Tested sending msg from router to coordinator. They are able to communicate to each other without Arduino.

NOTES SECTION:

Tx of Arduino to Din(Rx) of XBee & Rx of Arduino to Dout(Tx) of XBee

Disconnect Tx & Rx pins of Arduino while dumping code, else it may throw an error.

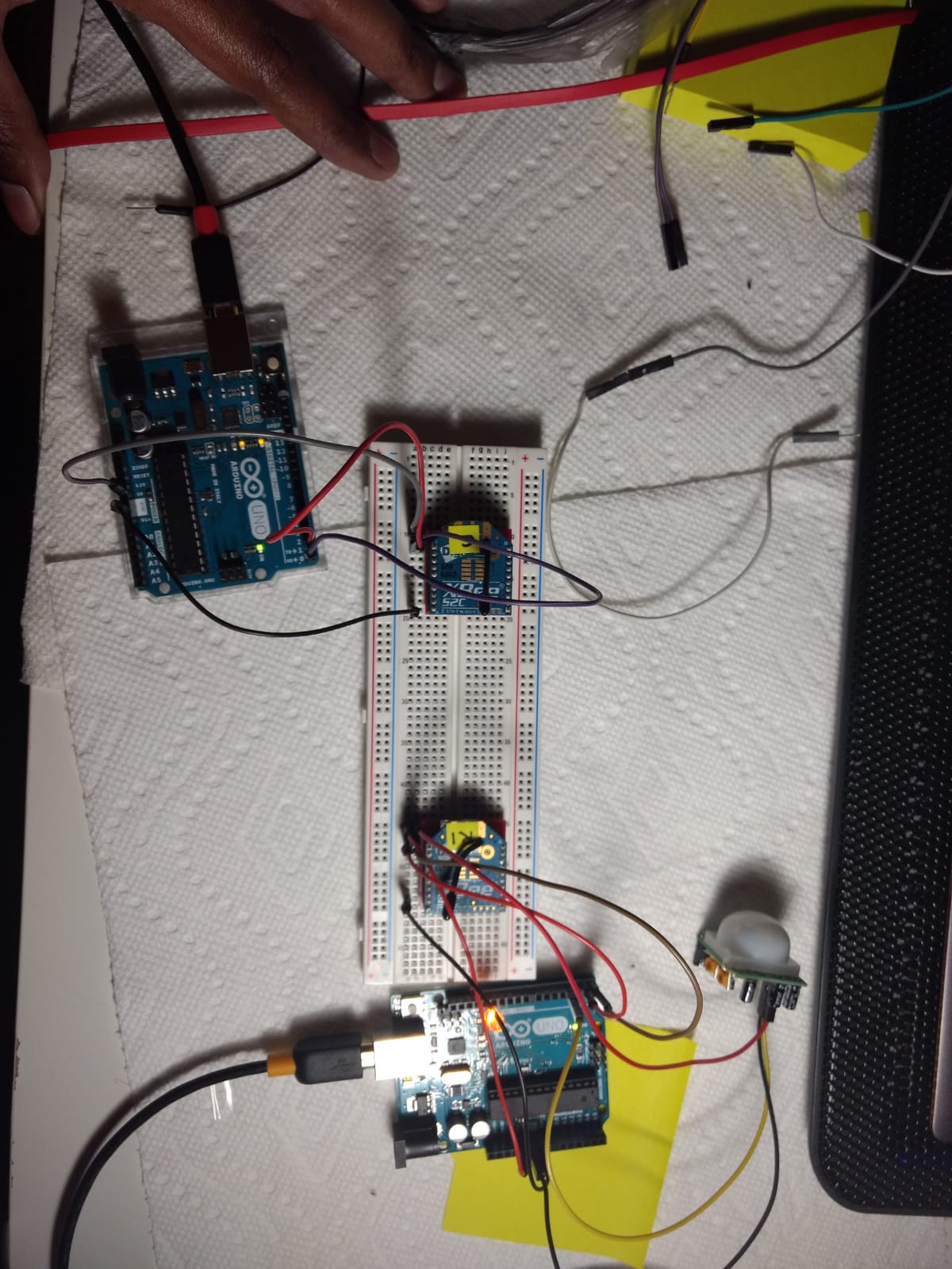
TESTING:

Test1] <https://www.youtube.com/watch?annotation_id=annotation_135090&feature=iv&src_vid=odekkumB3WQ&v=mPx3TjzvE9U>

Tried putting router in the type C shield and coordinator on breadboard with an Arduino for each. 🡪 Failed reasons unknown

Test 2]

Brought both coordinator and router on breadboard with an Arduino for each. Router code was using XBee library (temperature sensor example on youtube) 🡪 Failed



Test 3 ]

Tested setup in test 2 with hello world code 🡪 Success (code files- arduino\03 & 04) Bug: Coordinator’s serial monitor was showing multiple copies of msg from zigbee

Test 4]

Setup same as test 2 🡪 Changed code format as shown in above youtube link   
ie. No XBee library in router code, simple serial writes. They are being caught by serial read at coordinator.(code files- arduino\02 & 03).

A screen shot of a computer

Description generated with very high confidence

Test 5]

Router is on breadboard with an Arduino (with code in file: arduino\02) and coordinator (with code in file : arduino\03)is directly connected with USB shield to the laptop. Router’s msgs of motion detection can be seen in Serial monitor of Arduino to which it is connected. And Coordinator receives these msgs which can be seen in XCTU in CONSOLE tab after we click on CLOSE serial connection.

The bug in test 5 is also solved. There is no repetition of msgs. **SUCCESS.**

**A computer sitting on a table

Description generated with very high confidenceA circuit board

Description generated with very high confidenceA circuit board

Description generated with very high confidenceA screen shot of a computer

Description generated with very high confidenceA computer

Description generated with very high confidence**