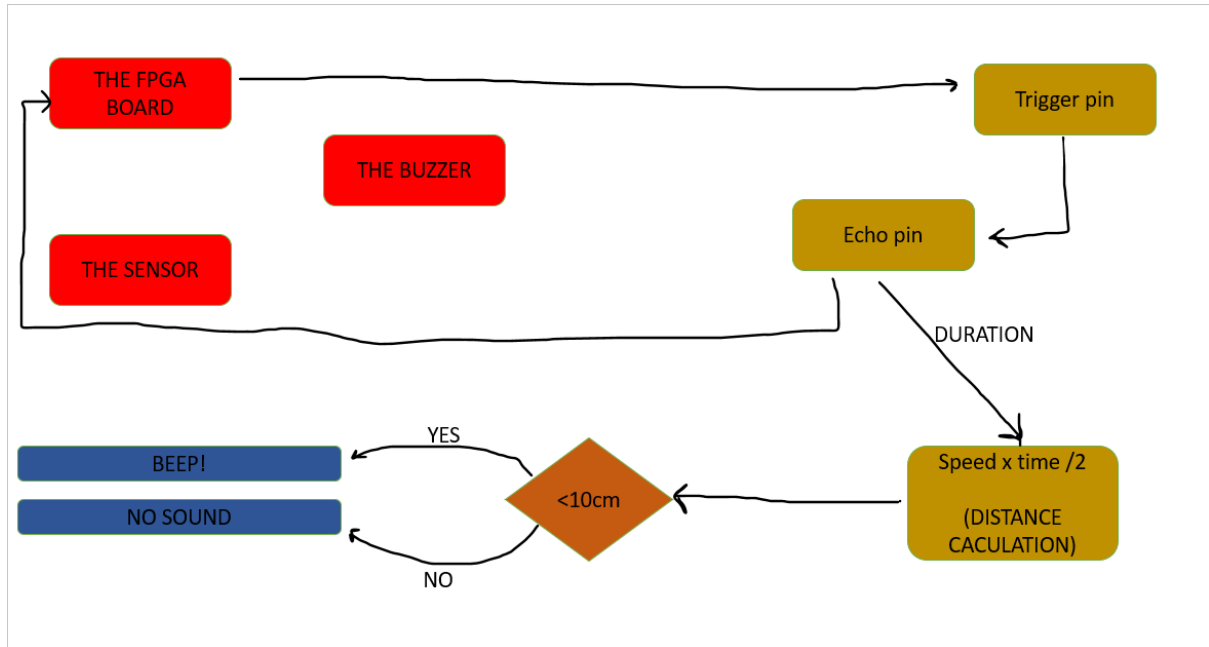


A Real-Time Sensor Data Acquisition and Transmission System (RT-DAQ) captures and transmits data from sensors in real-time, enabling immediate monitoring and decision-making, crucial for applications requiring timely insights.

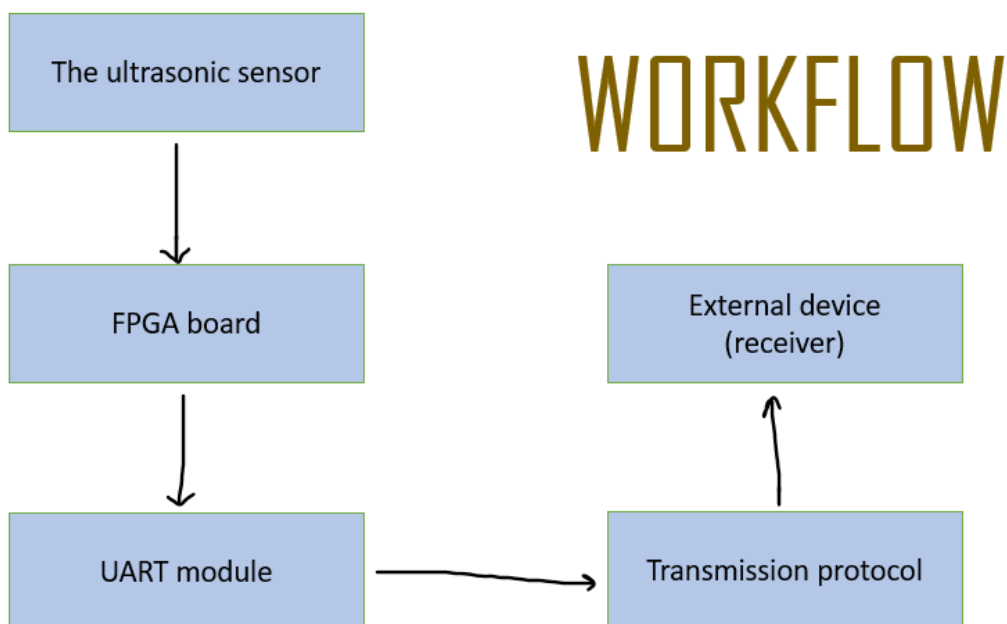
It collects the data from sensors, processes it, transmits in real time, receives and displays it.

We will require a sensor (ultrasonic for this project), jumper wires and a buzzer.

The basic circuit diagram,



The basic workflow would look like this,



The project timeline,

Acquiring the components- 1 day

The clear analysis of the project and preparing the makefile. top.v file – 2days

The uarttrx.v code and other necessary codes – 3 days

The program is gonna be simple...

If a hand reaches near the sensor range..it gets sensed and the buzzer beeps

This task is gonna be carried out and explained in detail as a part of task 6.

----Archana Bhat-----