

## **Lab Report-2**

Group: 02

## Written By:

Name	ID
MD. RAHADUL ISLAM FARDIN	20101363

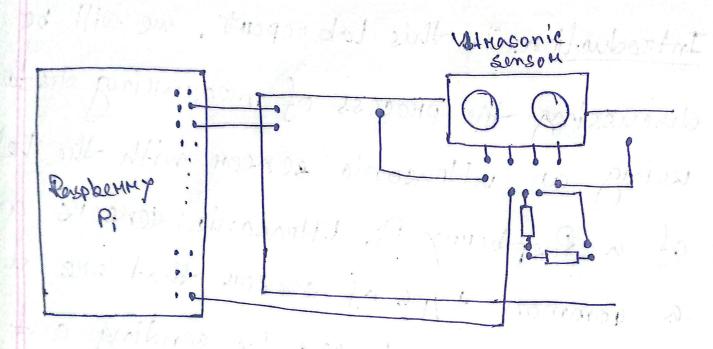
## **Other Members:**

Name	ID
MOHAMMAD SHARIFUL ALM MOLLAH	20201146
MD SHAHEDUL ISLAM SARKAR	20301420
MOHAMMOD TASNEEM HASAN	21301441
MD. SHAMIUL ISLAM KHAN ISHRAK	20301235

Title: Measuring Distance Veing Ultrasonic Senson.

Introduction: In this Lab report, me will be discussing the process of measuring distance using an attraconic sensor with the help of a Rasphenny Pi. Ultrasonic Bensons and a common type of serson that are used for measuring distances by sending out sound waves and measuring the time it takes fore them to bounce back. The aim af this lab is to demonstrate how to use an Withasonic senson with Rasphemy Pi to measure distance accurately.

## Circuit Diagream:



Result: After applying the python code
the ultrasonic sensor is able to output
the distance of any object from the
sensor to the object accurablely in
o.m.

Anomen: In this lab, mess have used two

Here the LED has a forward voltage and forward current rating. To prevent the LED from drawing too much current and potentially getting damaged, a current winiting registors are used with the Led.

Conclusion: This lab is a proper demonstration of measuring distance of a objust using ultrasonic sensor and raspherent pi. It also includes the basics of ultrasonic sensor and how it can be used.