Deccan Education Society's,
Fergusson College (Autonomous) Pune.
Department of Electronic Science Presents
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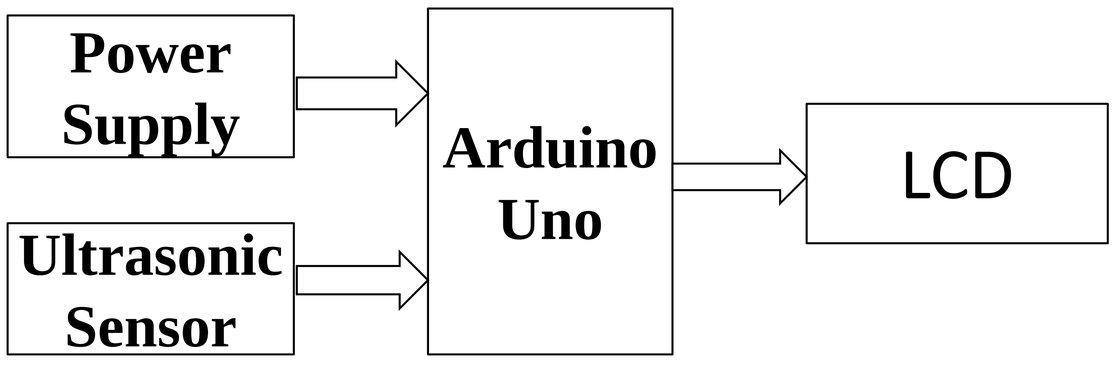
Height Measuring System Using Arduino

Introduction

The system of this tool has an input in the form of an ultrasonic sensor HC-SR04. The input received is in the form of sensor measurement data, which will be processed by the Arduino Uno microcontroller. At the output, there is a Liquid Crystal Display (LCD) to display the measurement results obtained.



Methodology

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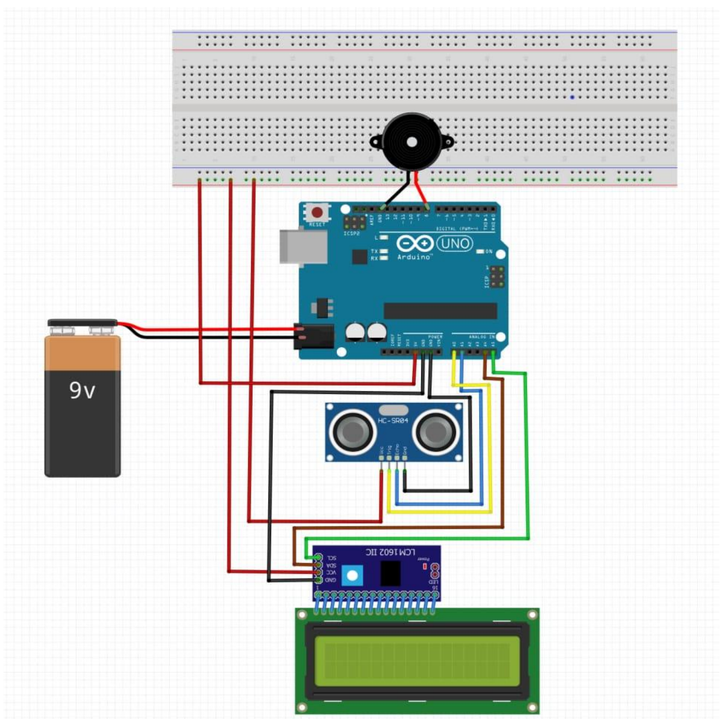

Result

Here the analog data is converted to digital data and the height of the person is calculated in cm. The programming can be done with the help of Arduino IDE. After this, the output from the Arduino Board is sent to the LCD. LCD then displays the measured height in cm.

Conclusion

Designing a height measuring system using Arduino allows for accurate and efficient measurements. By utilizing ultrasonic sensors and Arduino programming, we can accurately calculate distances and convert them into height measurements. This system has various applications, from monitoring plant growth to measuring human height. Overall, it provides a versatile and cost-effective solution for height measurement needs.

Acknowledgements

Add your information, graphs and images to this section.