Sir and, madam we have decided to make a temperature distance measuring sensor with a temperature sensor and an ultrasonic sensor. We firmly believe that this will greatly help with a lot of various applications for measuring distances. It will be easy to use and implement to any form or type of technology. This will greatly aid the user to measure distances of either obstacles or hazards in any environment.

The Project:

We plan to create a simple yet very effective distance measuring system with the following components:

1. Temperature Sensor
2. Ultrasonic Sensor

The circuit will be made in Proteus and the display will be done in Lab-View. The Lab-View Graphics User Interface (GUI) will display the temperature of the surroundings and will also show the distance measured by the ultrasonic sensor.

This device will help in measuring the distance between the user and any object, and tell the user how far or near he/she is to the object the device is being pointed at. This will work by using sound waves. The device will send sound waves, if any object is in its way the sound waves reflect back and the distance is measured by how far the sound waves travelled and came back. The GUI will display how far the object is. The device has a limited range but is more than enough to keep the user informed of the surroundings.