Video-01

How to Interface an Ultrasonic Sensor with Arduino UNO

In this project, an **Arduino Uno** is used along with an **HC-SR04 ultrasonic sensor** to measure the distance of an object from the sensor. The sensor emits ultrasonic waves and calculates the time it takes for the waves to bounce back after hitting an object. Using this time, the Arduino calculates the distance and displays it on the **serial monitor**. This simple yet effective setup is useful in obstacle detection, object measurement, and automation applications like parking sensors or robotic navigation.