

# Arduino Ultrasonic Sonar/radar monitor project

REG.NO:F17/2072/2022

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## Objectives

1. To investigate the working principle of an ultrasonic radar.
2. To Design an ultrasonic radar using Arduino.

# Project overview

- This advanced Arduino sonar system is designed for monitoring a local area and detecting suspicious objects. It continuously scans the surroundings and provides an audible alert upon detecting an object. The system determines both the angle and distance of the object from the source, which can be displayed on an LCD or a graphical interface.

# Applications

1. Used for security surveillance.
2. Used in Autonomous vehicle navigation.
3. Used for object detection in robotics.