

# Ultrasonic\_Module

## Module Responsibility :

- Generate a trigger pulse on the **TRIG** pin.
- Receive the echo signal from the **ECHO** pin.
- Measure the echo pulse duration.
- Convert the measured time into a distance value (in **cm** or **m**).

## Output :

- Provide the distance to the upper layer
- Distance Range:
  - Minimum: 2 cm
  - Maximum: 400 cm

## Module Design

