

ASSIGNMENT-4

Date	26 October 2022
Team ID	PNT2022TMID42508
Project Name	Project – Real Time River Water Quality Monitoring System
Maximum Marks	4 Marks

```
#define trigPin 8
#define echoPin 9

#define buzzer 10

long duration;

float distanceInch;

int timer;

void setup() {

  pinMode(trigPin, OUTPUT);
```

```
pinMode(echoPin, INPUT);

pinMode(buzzer, OUTPUT);

}

void loop() {

digitalWrite(trigPin, LOW);

delayMicroseconds(2);

digitalWrite(trigPin, HIGH);

delayMicroseconds(10);

digitalWrite(trigPin, LOW);

duration = pulseIn(echoPin, HIGH);

distanceInch = duration * 0.0133 / 2;

digitalWrite(buzzer, HIGH);

delay(50);

digitalWrite(buzzer, LOW);

timer = distanceInch * 10;
```

```
delay(timer);
```

```
}
```