**ASSIGNMENT-4**

|  |  |
| --- | --- |
| Date | 26 October 2022 |
| Team ID | PNT2022TMID33098 |
| 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);

}