ASSIGNMENT-4

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| Date | 26 October 2022 |
| Team ID | PNT2022TMID14744 |
| 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);

}