

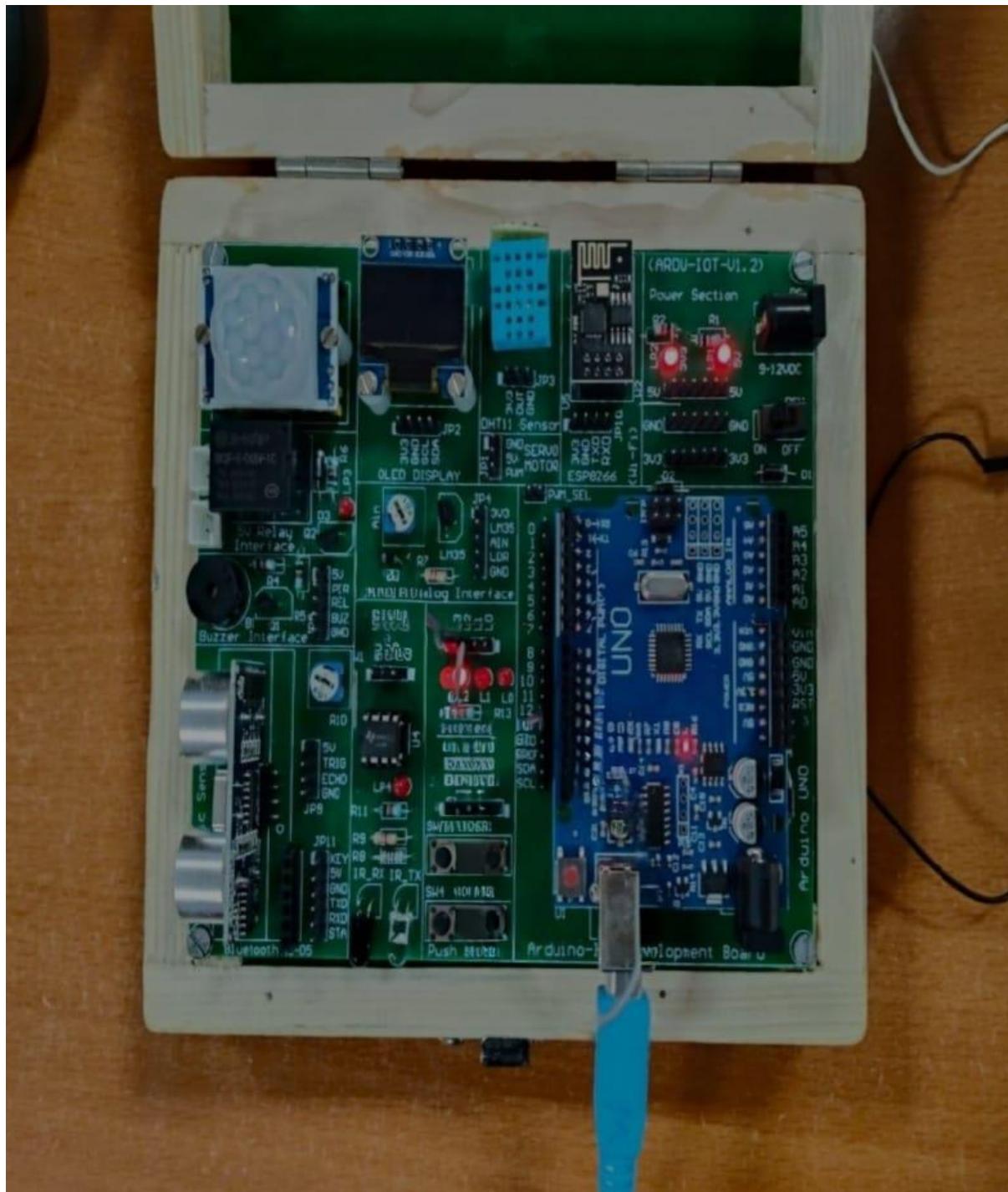
Experiment NO 6

//Write a program that asks the user for a number and outputs the number squared that is entered.

CODE :-

```
void setup() {  
    // Start serial communication  
    Serial.begin(9600);  
    Serial.println("Enter a number to square:");  
}  
  
void loop() {  
    // Check if data is available  
    if (Serial.available() > 0) {  
        String input = Serial.readStringUntil('\n'); // Read input until newline  
        input.trim(); // Remove any whitespace  
  
        // Convert input to float  
        float number = input.toFloat();  
        float square = number * number;  
  
        // Display result  
        Serial.print("The square of ");  
        Serial.print(number);  
        Serial.print(" is ");  
        Serial.println(square);  
    }  
}
```

Output:-



practical6 | Arduino IDE 2.3.6

File Edit Sketch Tools Help

practical6.ino

Arduino Uno ▾

...

```
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2
3
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15
16         // Convert input to float
17         float number = input.toFloat();
18         float square = number * number;
19
20         // Display result
21         Serial.print("The square of ");
22 }
```

Serial Monitor X

New Line ▾ 9600 baud ▾

Message (Enter to send message to Arduino Uno on 'COM5')

Output

Ln 11, Col 32 Arduino Uno on COM5 C 2

Match ↻ ENG 2:07 PM IN 9/10/2025

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