Tinkerers Internship

Task-2 and 3

Basics of Proteus and Basics of C Programming

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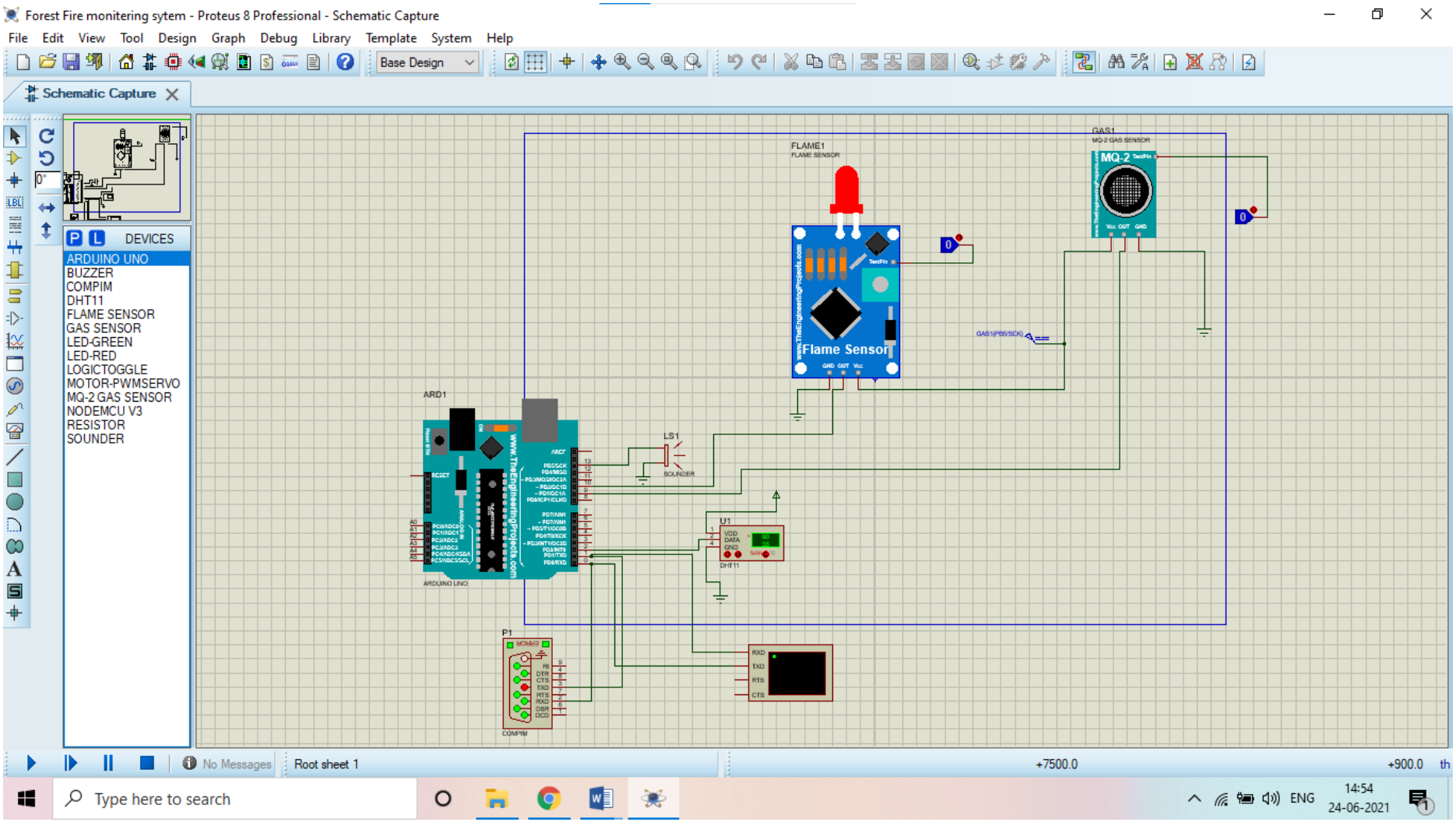
Class: D6A

DOS: 25/06/2021

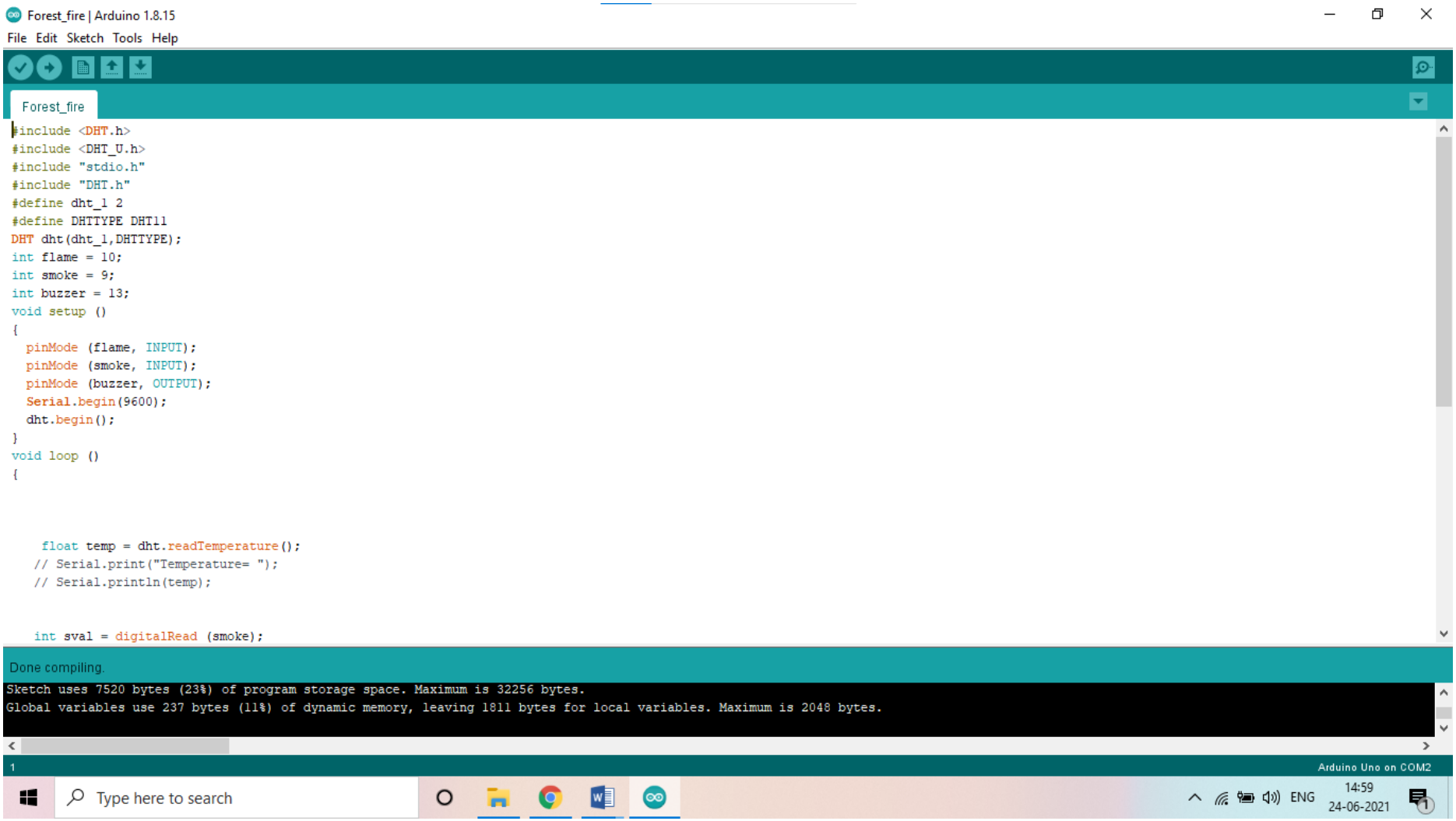
Submission Task –

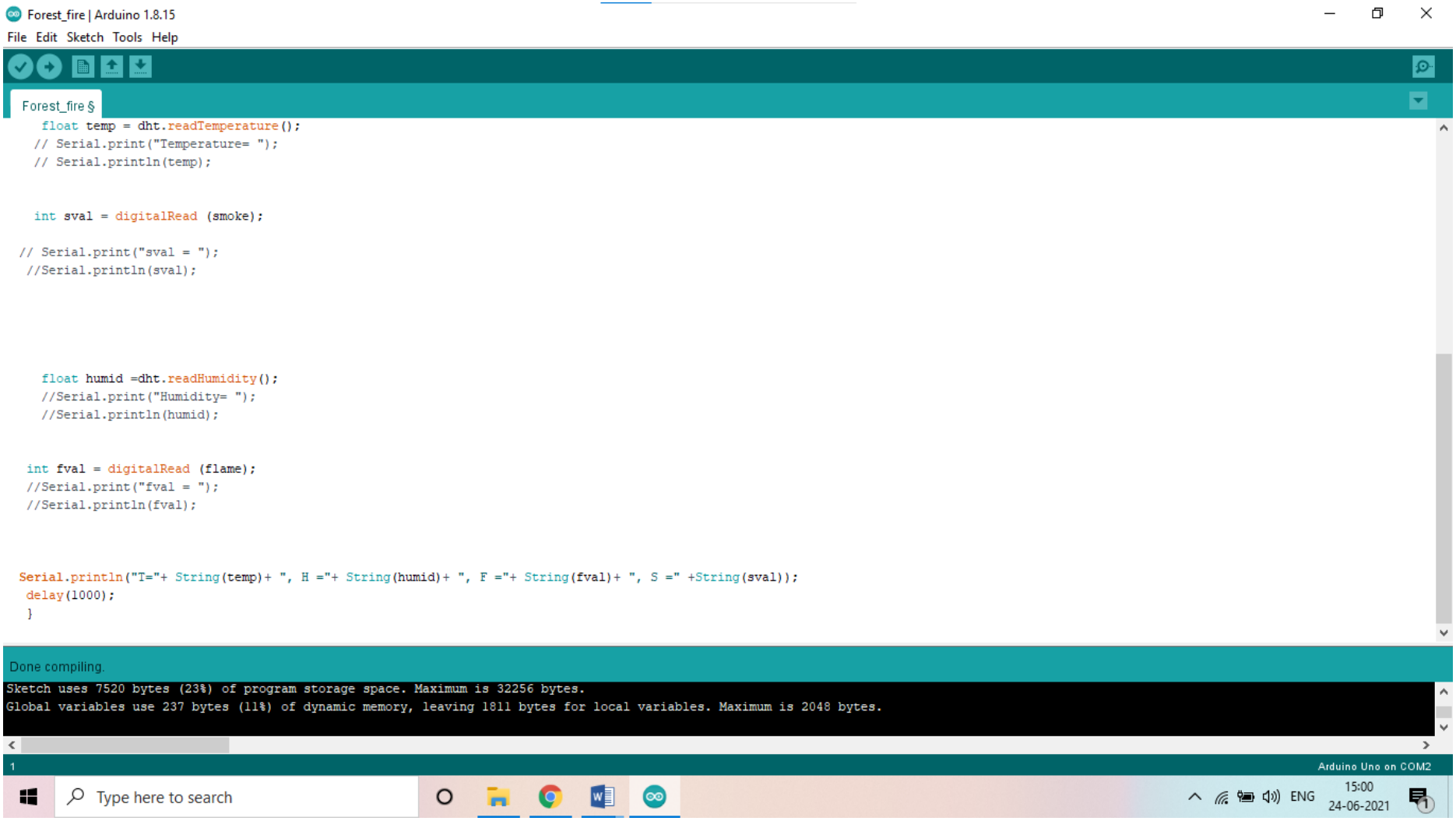
1. Full Screen Screenshot of proteus connection of circuit.
2. Screenshot of complete aurdino code.
3. Data uploaded on firebase. (Firebase Window)
4. Screenshot of proteus while simulation.

Proteus Circuit for IoT Based Forest Fire Monitering System.

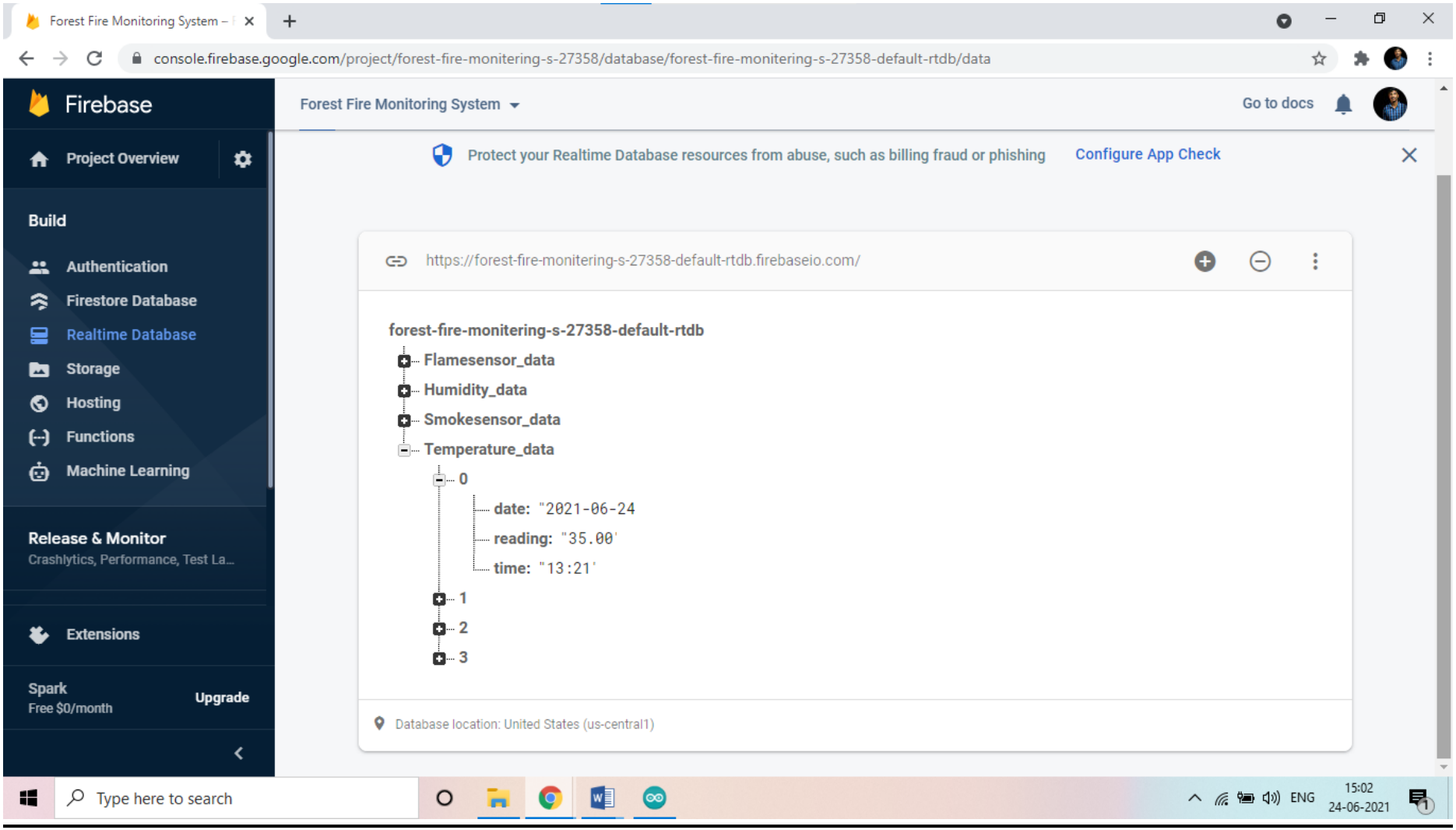


Screenshot of Aurdino code for IoT Based Forest Fire Monitering System.




Forest_fire | Arduino 1.8.15
File Edit Sketch Tools Help
Forest_fire §
float temp = dht.readTemperature();
// Serial.print("Temperature= ");
// Serial.println(temp);
int sval = digitalRead (smoke);
// Serial.print("sval = ");
//Serial.println(sval);
float humid =dht.readHumidity();
//Serial.print("Humidity= ");
//Serial.println(humid);
int fval = digitalRead (flame);
//Serial.print("fval = ");
//Serial.println(fval);
Serial.println("T="+ String(temp)+ ", H ="+ String(humid)+ ", F ="+ String(fval)+ ", S =" +String(sval));
delay(1000);
}
Done compiling.
Sketch uses 7520 bytes (23%) of program storage space. Maximum is 32256 bytes.
Global variables use 237 bytes (11%) of dynamic memory, leaving 1811 bytes for local variables. Maximum is 2048 bytes.
1
Arduino Uno on COM2
Type here to search
ENG
15:00
24-06-2021

Data Uploaded on Firebase.



Simulation of Circuit.