

SPEECH RECOGNITION SYSTEM

OBJECTIVE

Build a basic speech recognition system for command based control of devices using an Embedded board.

CODE

```
Int ledPin = 8;
```

```
Int buttonOn = 2;
```

```
Int buttonOff = 3;
```

```
Void setup() {
```

```
    pinMode(ledPin, OUTPUT);
```

```
    pinMode(buttonOn, INPUT);
```

```
    pinMode(buttonOff, INPUT);
```

```
    Serial.begin(9600);
```

```
}
```

```
Void loop() {
```

```
    If (digitalRead(buttonOn) == HIGH) {
```

```

digitalWrite(ledPin, HIGH);

Serial.println("Command: LED ON (simulated voice ON)");
}

If (digitalRead(buttonOff) == HIGH) {

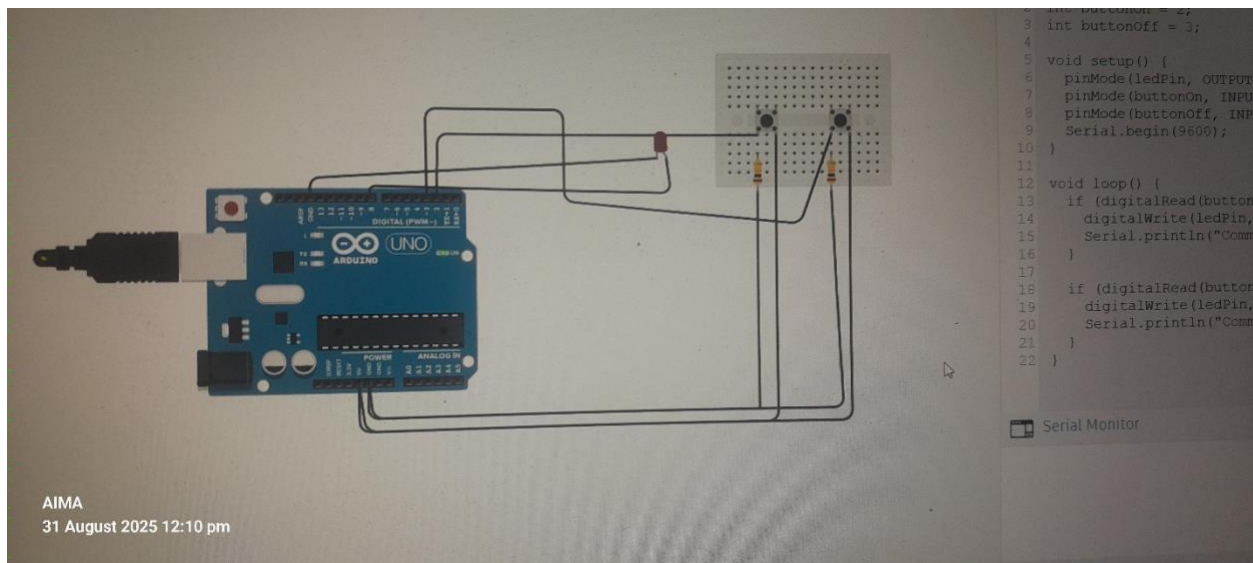
    digitalWrite(ledPin, LOW);

    Serial.println("Command: LED OFF (simulated voice OFF)");

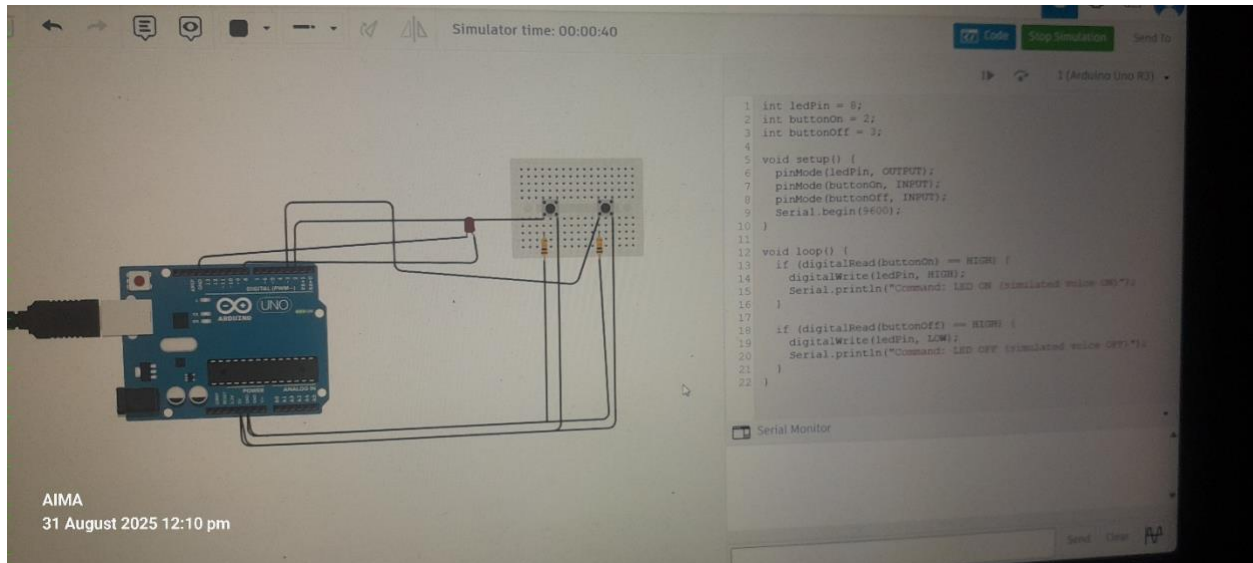
}
}

```

Circuit



OUTPUT



Link

https://www.tinkercad.com/things/jKkz2hWO40G-terrific-juttuli-snaget?sharecode=9R9akBQx_NGCvVcvkcdian4PlTs_DGvwNzfxwLHwVI4