IoT Machine-Guard

(Code Flowchart)

DOIT ESP32

DIVKIT V.1 Development Board

Is Temperature level Normal? — yes → Send Data to Adafruit.io Broker/ Smart Android Device / Machine Power On

Is Temperature level Normal? — No

Is Sound Level Normal? — yes

Is Sound Level Normal? — No

Is Vibration Ratio Normal? — yes

Is Vibration Ratio Normal? — No

Send Data to Adafruit.io Broker/ Smart Android Device

Trigger Alarm

Machine Power Off

Is Smoke Intensity Normal? — yes / No

Is Current Withdrawal Normal? — yes / No

Machine Power Relay — Off / On