Configure and Steps of Device Code

1. Get your **template Model id**, which is in the Json code "@id" line of your customer template in IoT Central. Check the "Configure_And_Steps_Of_Project.pdf" to get the details.
2. Get your device connection group information, take down "**ID scope**", "**Device ID**" and "**Primary key**".
3. Open your device detail, click the Connect on the left top menu to find this information. Check the "Configure_And_Steps_Of_Project.pdf" to get the details.
4. Configure wifi and IoT relevant authorization information

   4.1 Navigate to folder "My_Final_Project_Fire_Detector".

   4.2 Open "**My_Final_Project_Fire_Detector.ino**", it will be opened in the Arduino IDE.

   4.3 Check "**Azure_IoT_PnP_Template.cpp**", replace this:

   ```
   #define AZURE_PNP_MODEL_ID "your custom template Model id"
   ```

   4.4 Check **"iot_configs.h**", replace these:

   ```
   #define IOT_CONFIG_WIFI_SSID "your Mobile hotspot SSID"
   #define IOT_CONFIG_WIFI_PASSWORD "your Mobile hotspot password"
   #define DPS_ID_SCOPE "your ID scope"
   #define IOT_CONFIG_DEVICE_ID "your Device ID"
   #define IOT_CONFIG_DEVICE_KEY "your Primary key"
   ```

5. Set running board and port

   Navigate to Tools > Board > esp32, select **ESP32 Dev Module**;

   Navigate to Tools > port, select port (Mine is COM6).
6. Turn on "Mobile hotspot"
7. Click "upload" to run "My_Final_Project_Fire_Detector.ino" file in Arduino IDE
8. Click "Serial Monitor" to MCU (microcontroller) locally via the Serial Port after upload finishing