IoT APP Group N
Guide

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1. Installation Guide

➢ Hardware Requirement
- Min CPU: 1GHZ, 2 Cores
- Min RAM: 2G
- Min ROM: 4G
- Camera
- Bluetooth
- WIFI or Cellular data
- Registered to the Network (SIM card)

➢ Software Requirement
- Android system
- Min Sdk Version: 26 (Android Oreo or OneUI 1.0 or EMUI 8.0 or MIUI 12)
- Target Sdk Version :30 (Android 11)

➢ Installation Process
- Please be sure to enable the Install from Unknown Sources option. There are many different versions in Android, so please check how to open online.
- Open APK in the ZIP or download from the URL:
  https://github.com/Brankim1/project-picture/blob/master/IoTAPPGroupN.apk
- Follow the Instruction on the Phone to install it.

2. Software Permissions

Be sure to open **Camera, Location, Storage, Telephone, Network, Bluetooth permission** for the software. If not, the Application may not work in some functions.

If the user finds some functions not working, please click **System Settings, Applications, IoTAPPN, Permissions, Enable all.** (Telephone permission needs to enable manually because of system limited)

3. User Guide

When the user first enters the Application, please ensure open all permissions of this software. Then the user could register by their email account.

After the user registers successful, the Application will show the Live data and prediction. Users could click '+' button to pair the sensor. After the first pairing, the sensor will pair automatic next time.

The prediction will update every 1.5 seconds. Therefore, it may have a 0-1.5 seconds latency. The

software has two main assist functions, which are Sitting time-reminder and Falling warning. In the Sitting time reminder, the software will monitor the time when the user sitting continuous, the default max sitting time is 10 seconds. Users could change it in the 'Me'. Another function is the Falling warning, and if the software detects users are falling, it will send a notification to the user to call the emergency contact. The default phone number is 07579919708, the user could change it in the 'Me.'

All the sensor data are stored in the server, so the user could see the history data in the 'History'.

In the 'Me', the user could log out, change man sitting time and emergency contact.

Finally, if the user forgets the password, they could input the email address to reset the password.