User Manual

Account Credentials

```
System user Interface
Site: http://facerecognition
Default Account:
        email: admin@yahoo.com
        password: 123456

Mysql administration tool.
Site: http://facerecognition/phpmyadmin/
        username: pi
        password: raspberry

Network File Access
Directory: \\facerecognition\PiShare or \\{IP Address}\PiShare
        username: pi
        password: raspberry

Remote Desktop connection
Directory: facerecognition or {IP Address}
        username: pi
        password: raspberry

Google Account
Site: https://accounts.google.com
        email: acshs.facerecognition@gmail.com (can be change)
        password: acshs2018
    `
```
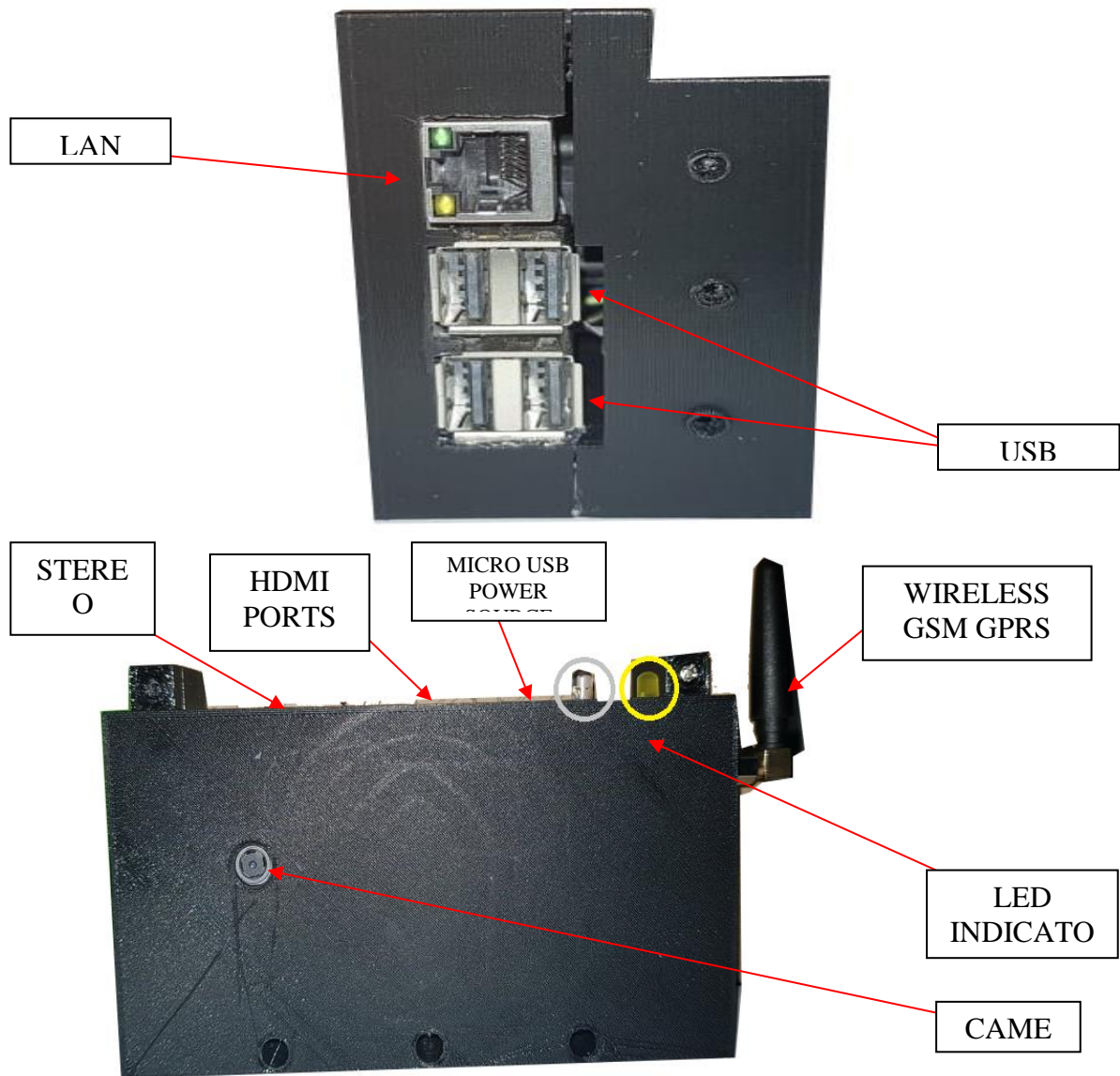
DEVICE SETUP

1. Mount the device on the tripod or anywhere

2. Connect UTP cable to the port to gain internet access.

LAN

USB

STEREO

HDMI PORTS

MICRO USB POWER SOURCE

WIRELESS GSM GPRS

LED INDICATO

CAME

3. Connect the HDMI to a monitor

4. Connect the micro USB power source to the outlet

5. For the LED Status

LED STATUS

Blue = running system (also indicate training face in Web User Interface)
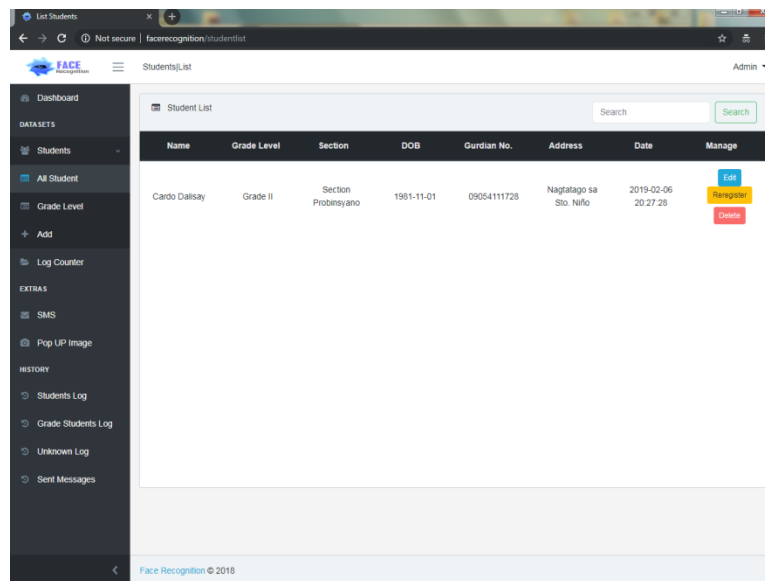*When detecting face;*
Blue and blinking Yellow = processing
Green=success face detection
Red= unknown face detected

WEB FEATURES

1. All Students

2. Student Profile

3. Grade Level

4. Section

5. Lists inside Section
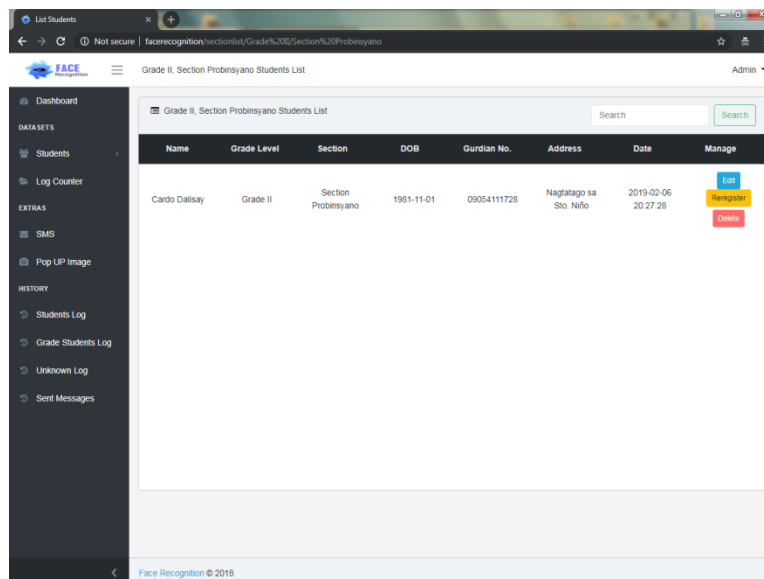
6. Pop out
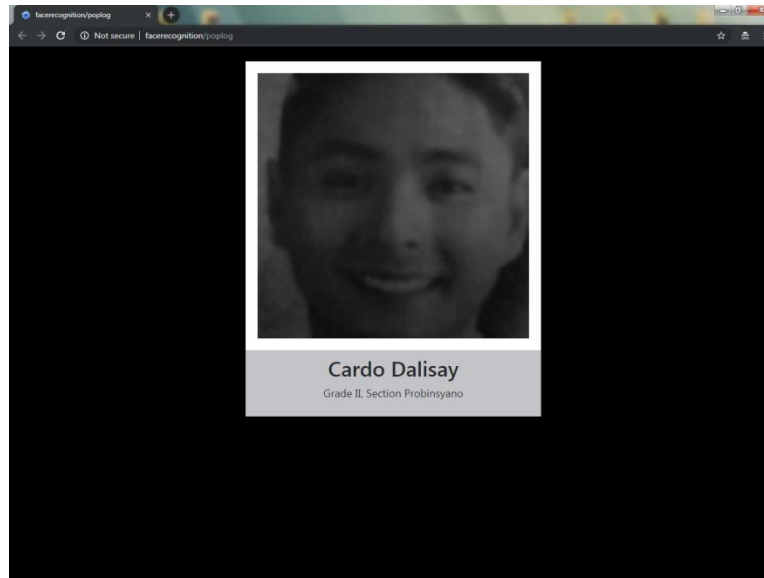
7. Student Logs

8. Grade Students Log

9. Unknown Logs

10. Sent Messages Log

11. Email Logs

12. Settings

13. SMS Settings

14. New User Account

15. Web User Interface Dashboard

WEB PROCESS GUIDE

1. Click Log in
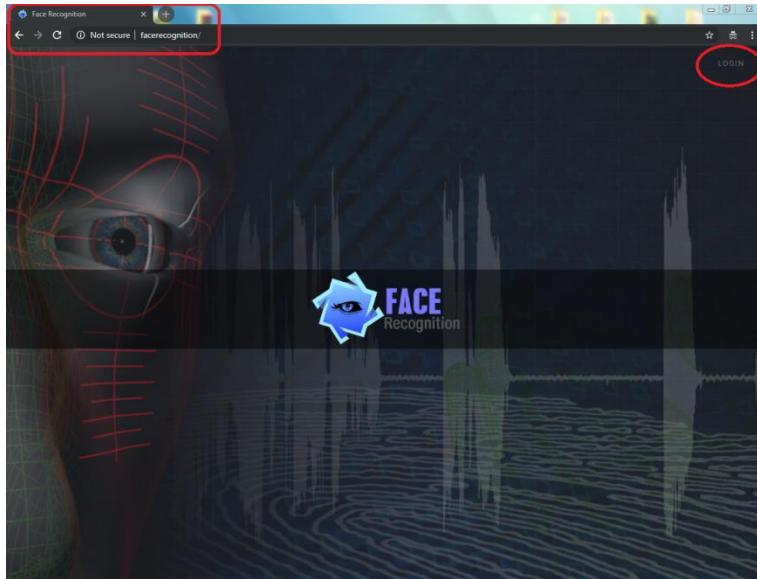
2. Log in Default Admin
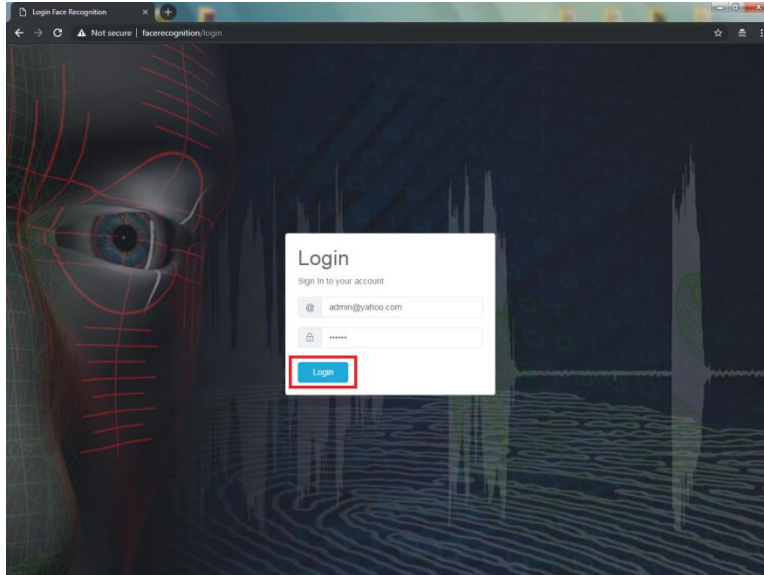
Default Account:

email: admin@yahoo.com

password: 123456

3. Collapse Student on Dashboard's Left Panel
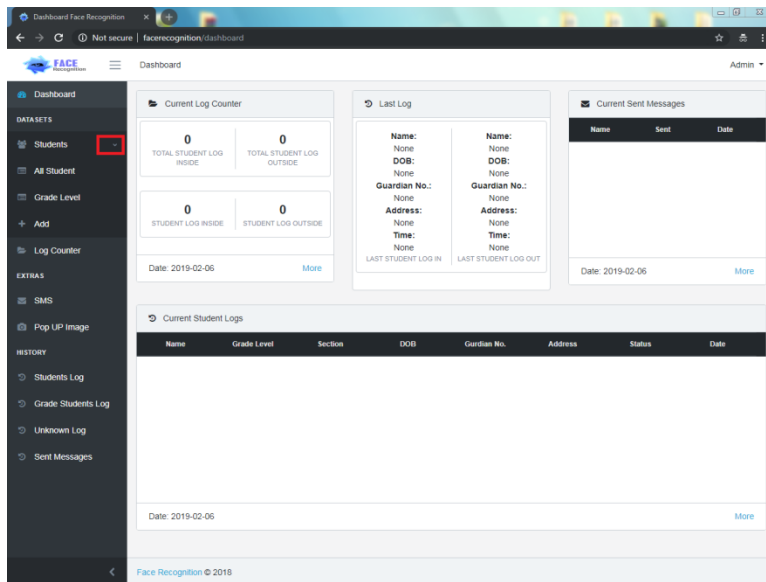
4. Create Profile by clicking Add, then after filling up, click save
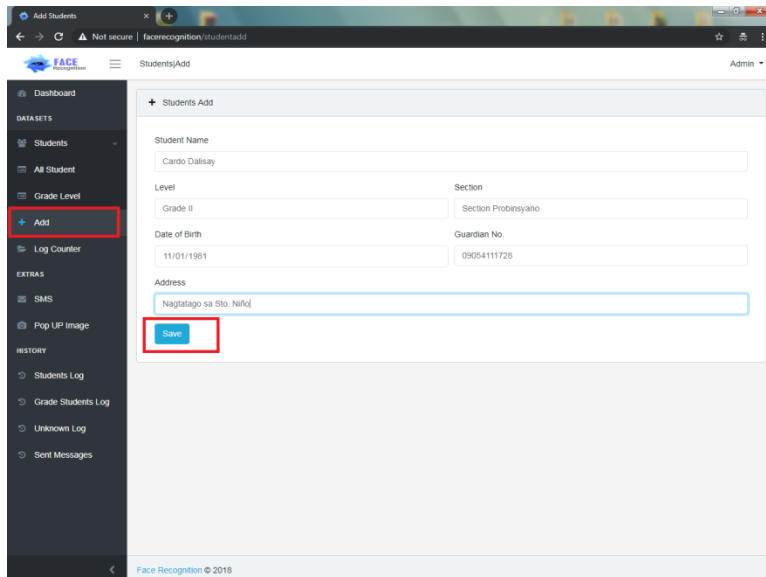
5. Click All student on left panel then Click the Register

Button

6. Double Click fr.sh then Execute in Terminal (Run it first before registration of profiles in Web User Interface to avoid trouble)

7. Train Face by facing at the camera of the device
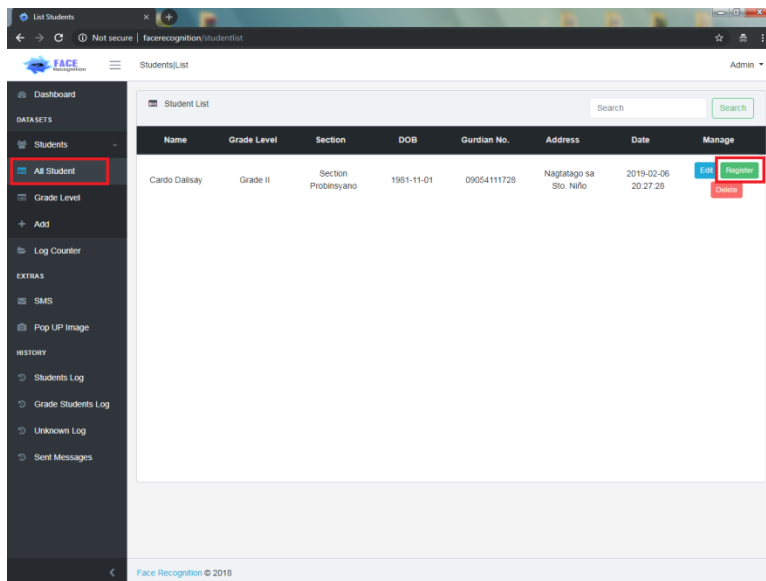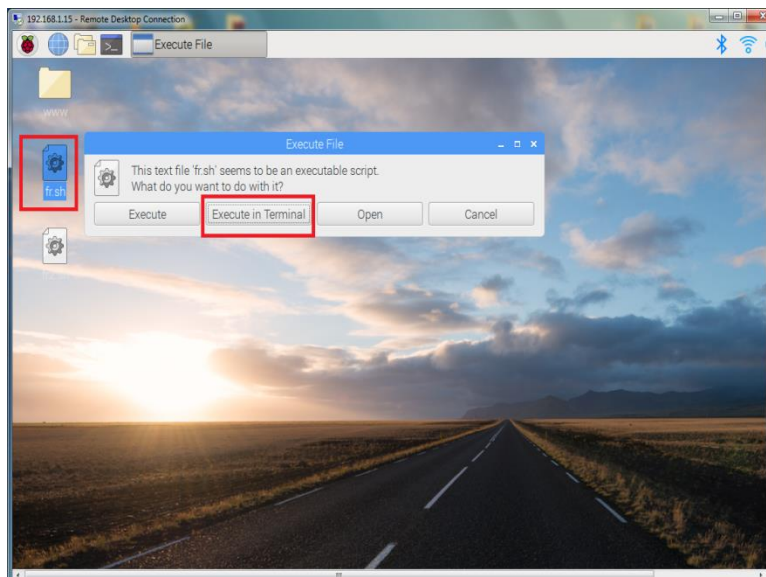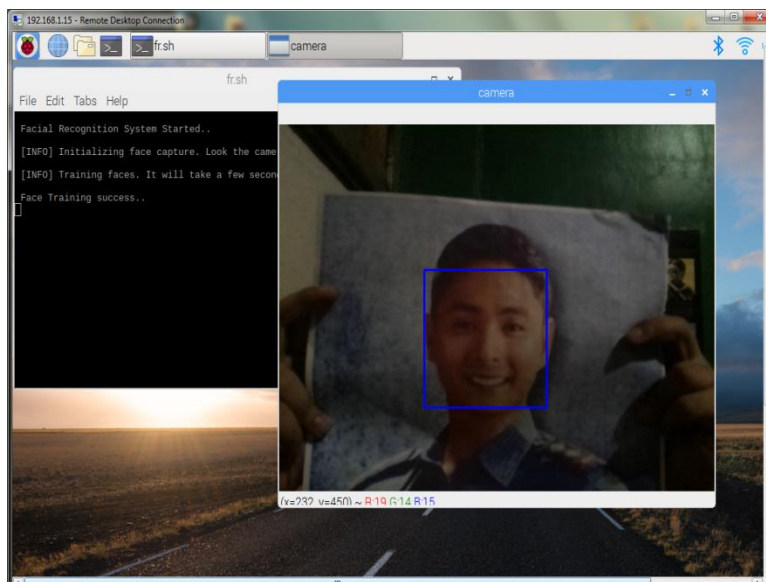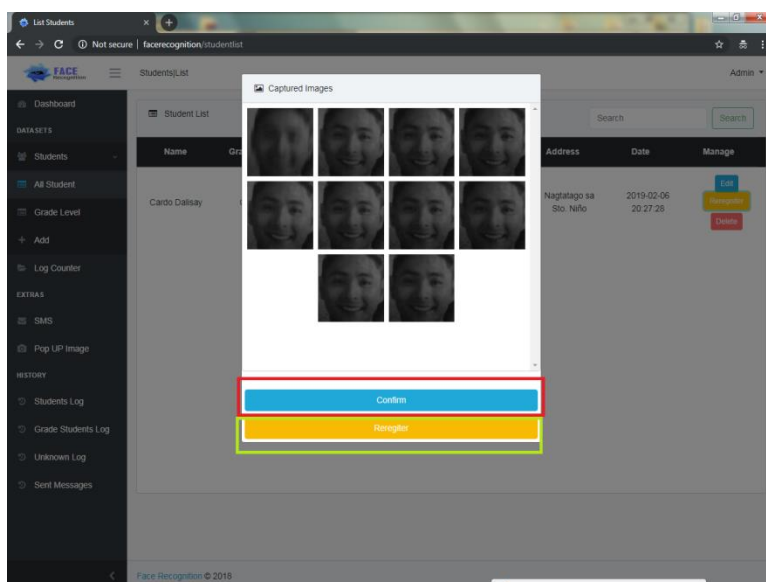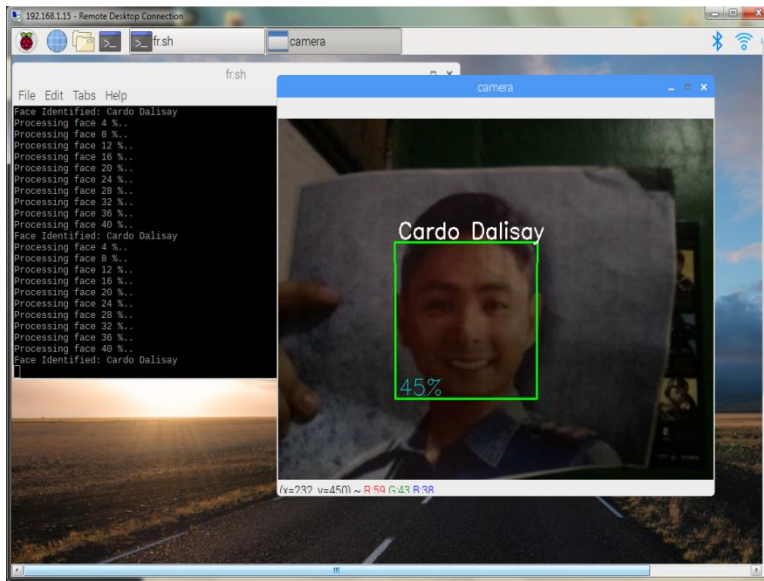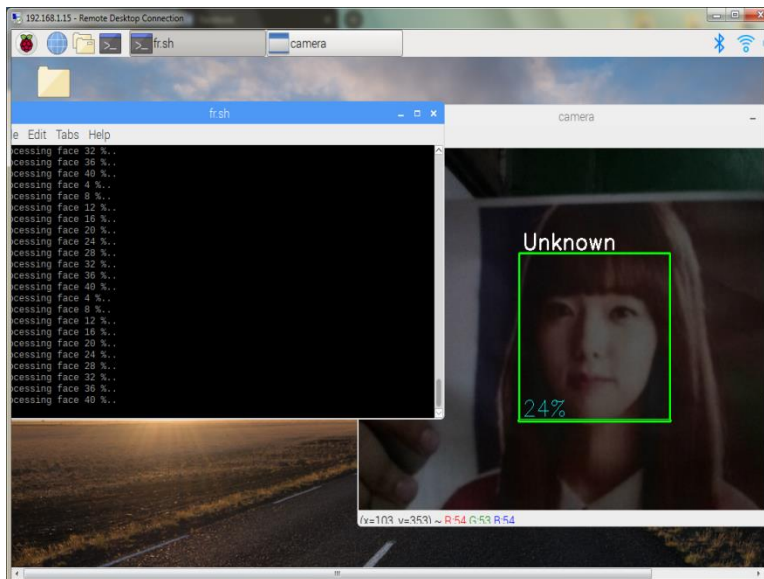

8. Confirm the captured images

9. Test the registered facial images.

The name of the student will appear when the facial recognition was success.

The facial `recognition will be unsuccessful if "Unknown"`
`appears.`

Web User Interface and Device Troubleshoot FAQs:

Q:What if I registered a profile and train a face via Web User Interface without running the Face Recognition Script File on my Desktop?

A: Before doing the registration and training, make sure to run the script (fr.sh) first to avoid getting stuck on "training processing" at the web. If the user got stuck, kindly run the script and show the face of the user at the camera to continue the processing. Same as re-registering.

Q:What to do when the device stuck at "beep" sound after I closed the script and cannot closed or terminate the script from running?

A: Run the script again and do not show a face in the camera when closing it again. When the user cannot closed or terminate the script from running via click of "X" button. At the top bar with Raspberry Pi Logo on your Pi desktop. Find and Go to "Task Manager" to terminate the script process.

Q: What is the problem when the SMS feature of the device is not working?

A: Remove the GSM Module Antenna and put it back again. Another way is open the shield case and find the GSM antenna cable connected to GSM Module SIM800 board, kindly remove and attach it again.

Q: What is the problem when I cannot receive the email logs from the sender?

A: Check if the internet is off and turn on your internet connection. Another scenario if the sender email account has security alert enabled. Disabling the security alert and plug in and out the utp cable will solve the problem.

Maintenance Database Management
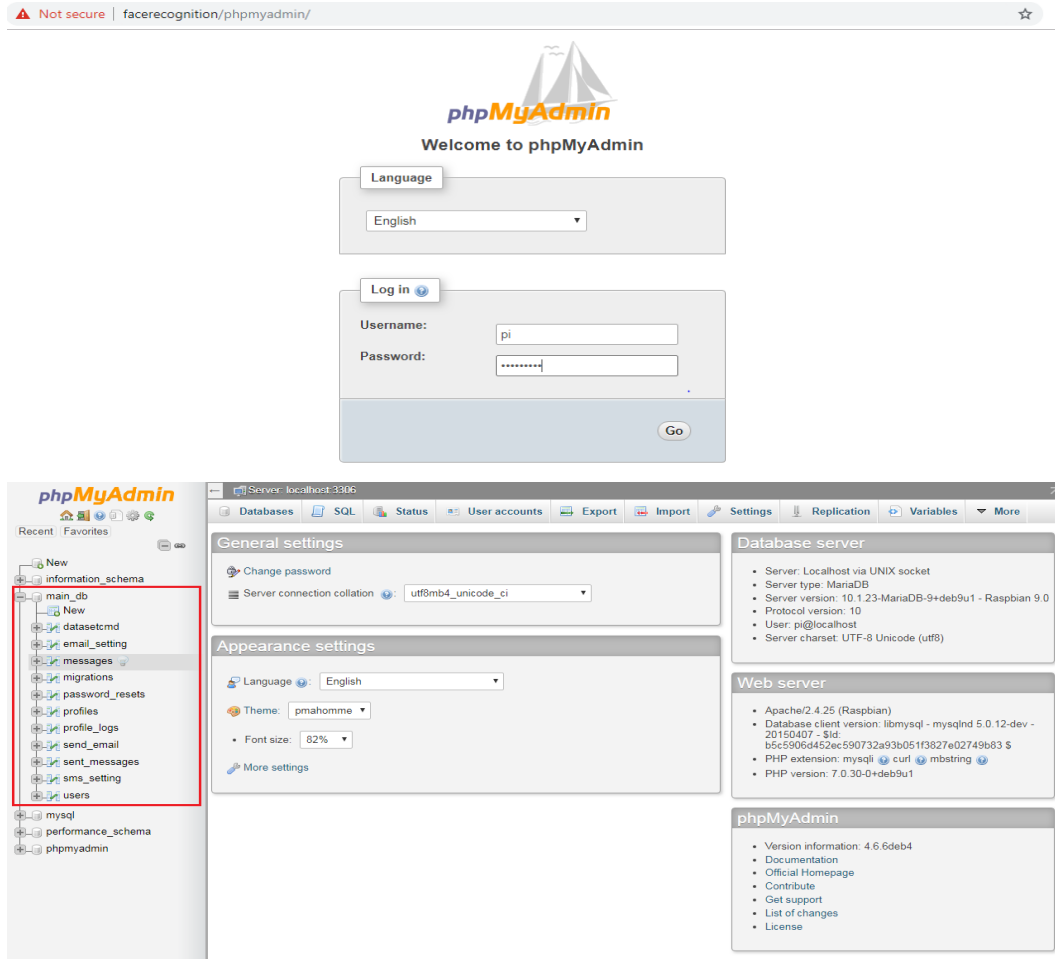
The IoT Device is integrated with the Web User Interface and phpmyAdmin Database Management. The database manages the users, profiles, messages, migration, password resets, profile logs, sent messages logs, dataset, send email, email setting, and sms setting. The maintenance is used only when the administrator decided to delete account user, profiles and clearing logs, wrong inputs and spam from the web user interface. The instructions to clear and delete account user, profile and logs from integrated Web UI and Database are shown below:

Illustrations:

Delete and Clear Student Profiles

Delete and Clear Student Logs

Delete and ClearSMS Logs
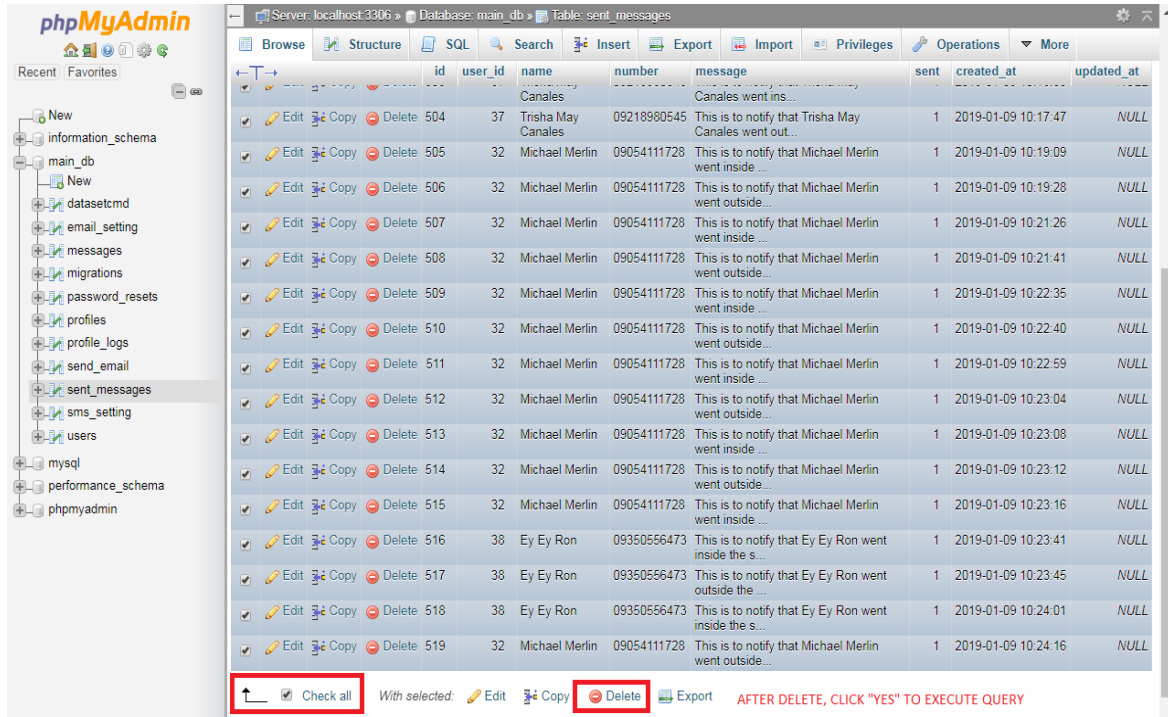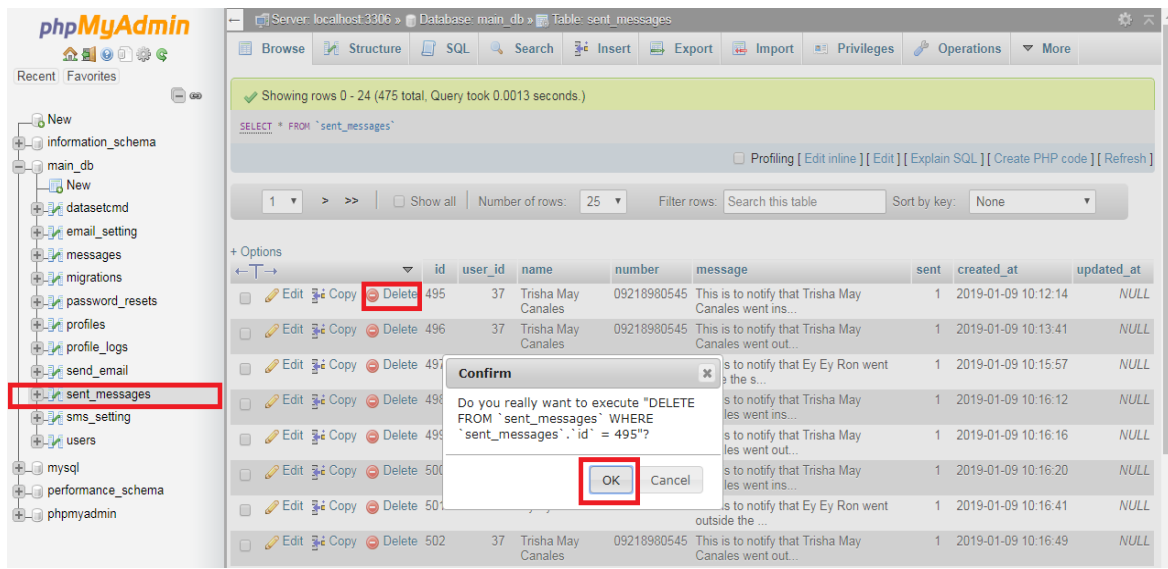
Delete and ClearAdministration Account User

After delete, click "yes" to execute query
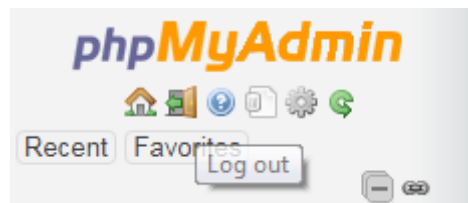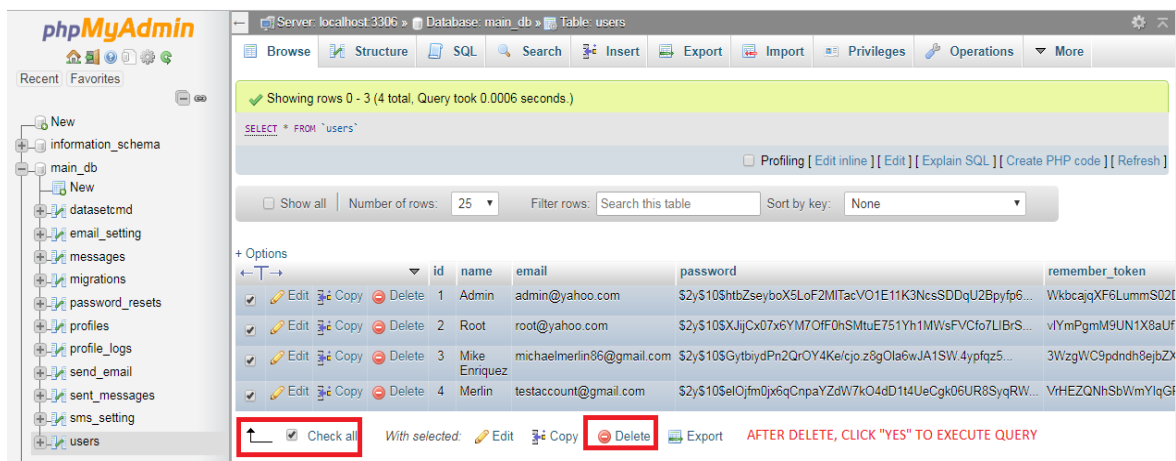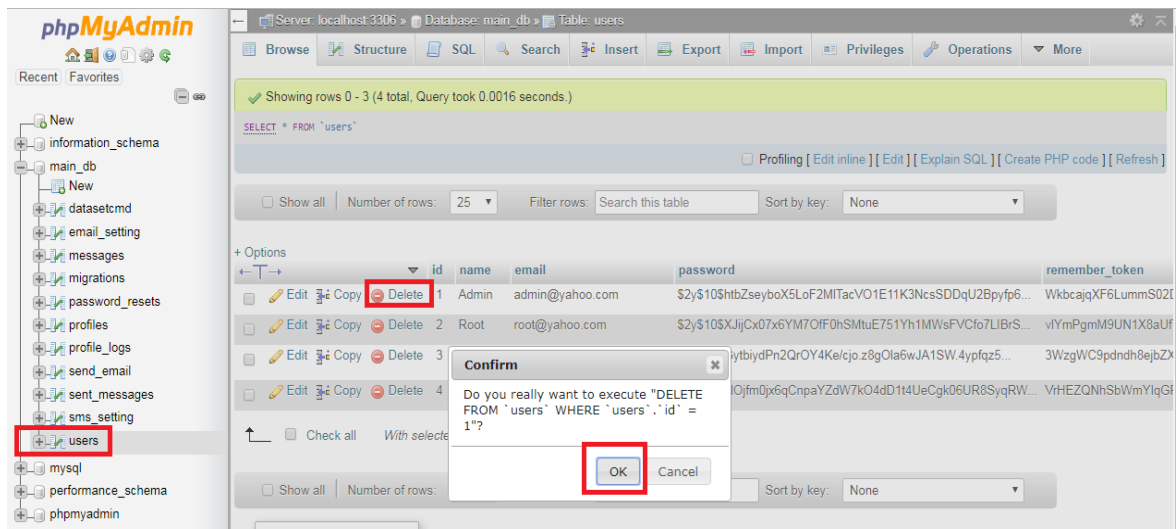
Notes:

1. Login the **Mysql phpmyAdmin Account**.

   Username: pi   Password: raspberry

2. **Database Link Address:**http://facerecognition/phpmyadmin/

3. Collapse the **"main_db"** at the left pane to show each label.