MAKERERE UNIVERSITY

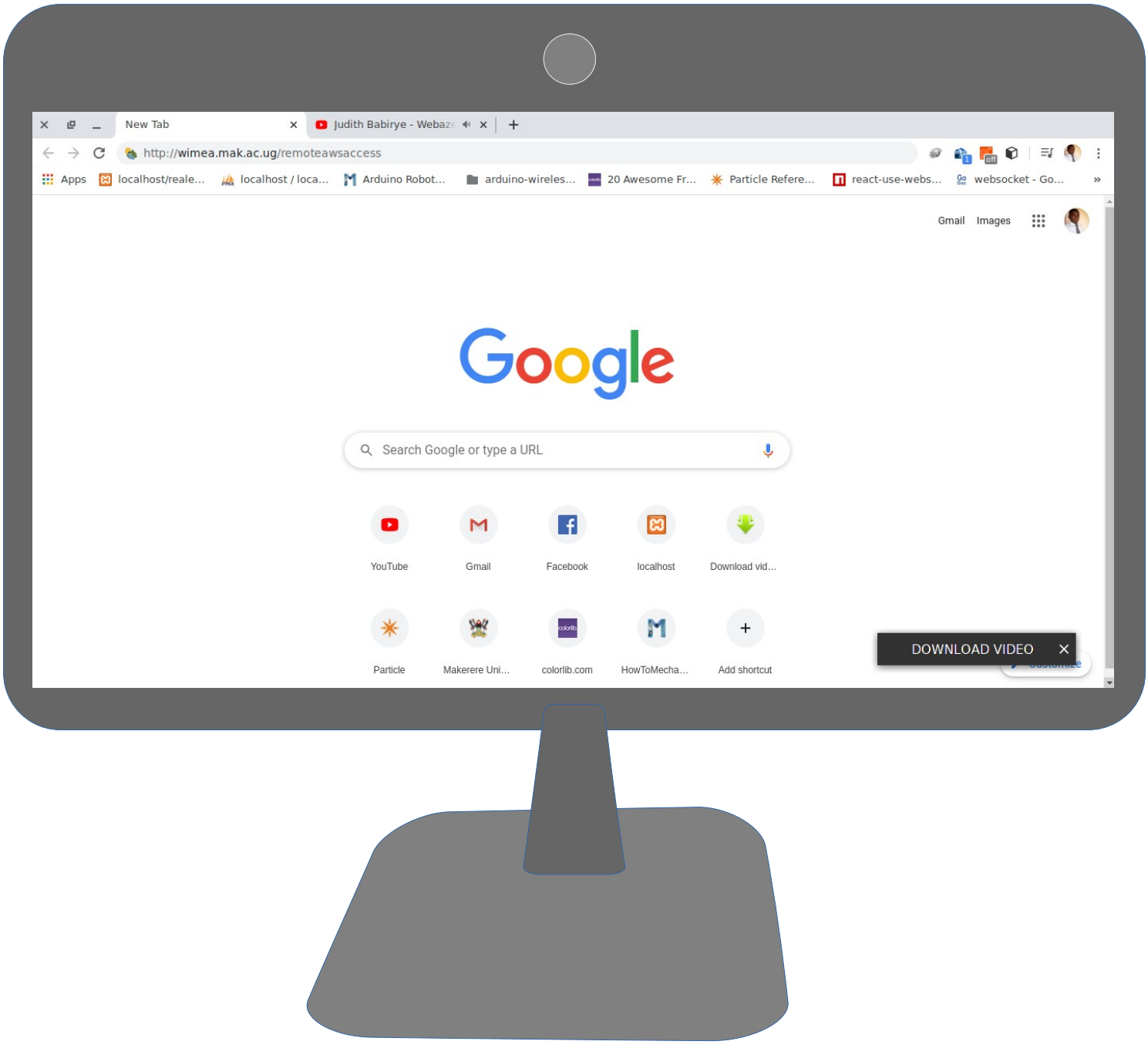
WIMEA-ICT

Improving East Africa's Weather Information Management through the Application of Suitable ICTs

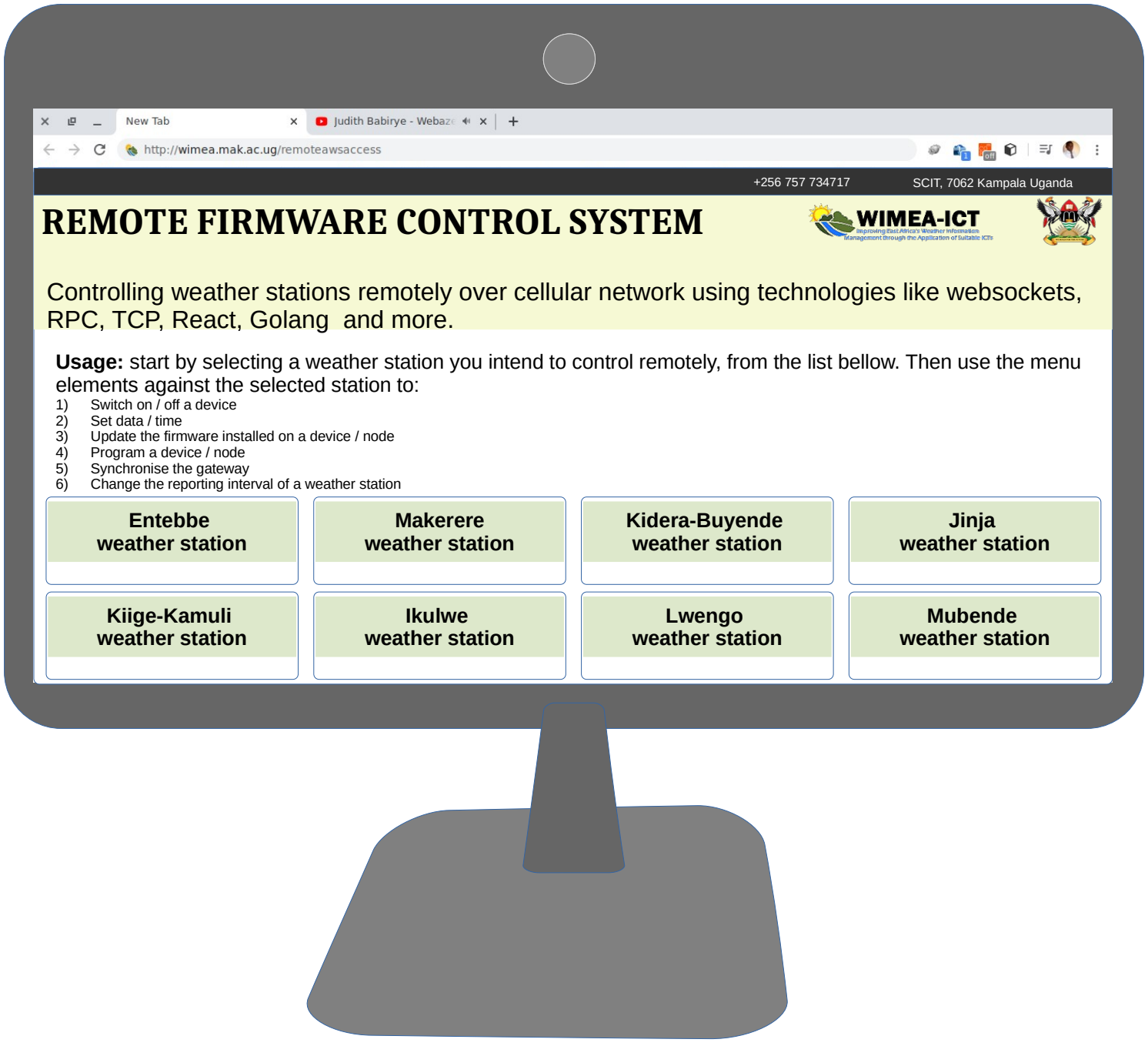
REMOTE FIRMWARE CONTROL SYSTEM

User interface specification

Accessing the sytstem in a browser



Welcome page



Login

New Tab
http://wimea.mak.ac.ug/remoteawsaccess
+256 757 734717
SCIT, 7062 Kampala Uganda
REMOTE FIRMWARE CONTROL SYSTEM
WIMEA-ICT
Controlling weather stations
echnologies like websockets,
RPC, TCP, React, Golang
Usage: start by selecting a wea
the list bellow. Then use the menu
elements against the selected s
1) Switch on / off a device
2) Set data / time
3) Update the firmware installed on a devic
4) Program a device / node
5) Synchronise the gateway
6) Change the reporting interval of a weath
Entebbe weather station
Jinja weather station
Kiige-Kamuli weather station
Mubende weather station
Cancel
Login

Remote control dashboard

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- Makerere
- Mubende
- Entebbe
- Lwengo
- Kiige-Kamuli
- Jinja
- Ikulwe
- Kidera-Buyende

Controlling Entebbe weather station

Update firmware | Program A node | Sync gateway | Report interval | Date / time

Which node do you want to program ? Select

Gateway

Sink-node

ground-node

2m-node

10m-node

Remote control dashboard

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Controlling Entebbe weather station

Update firmware | Program A node | Sync gateway | Report interval | Date / time

Programming the gateway

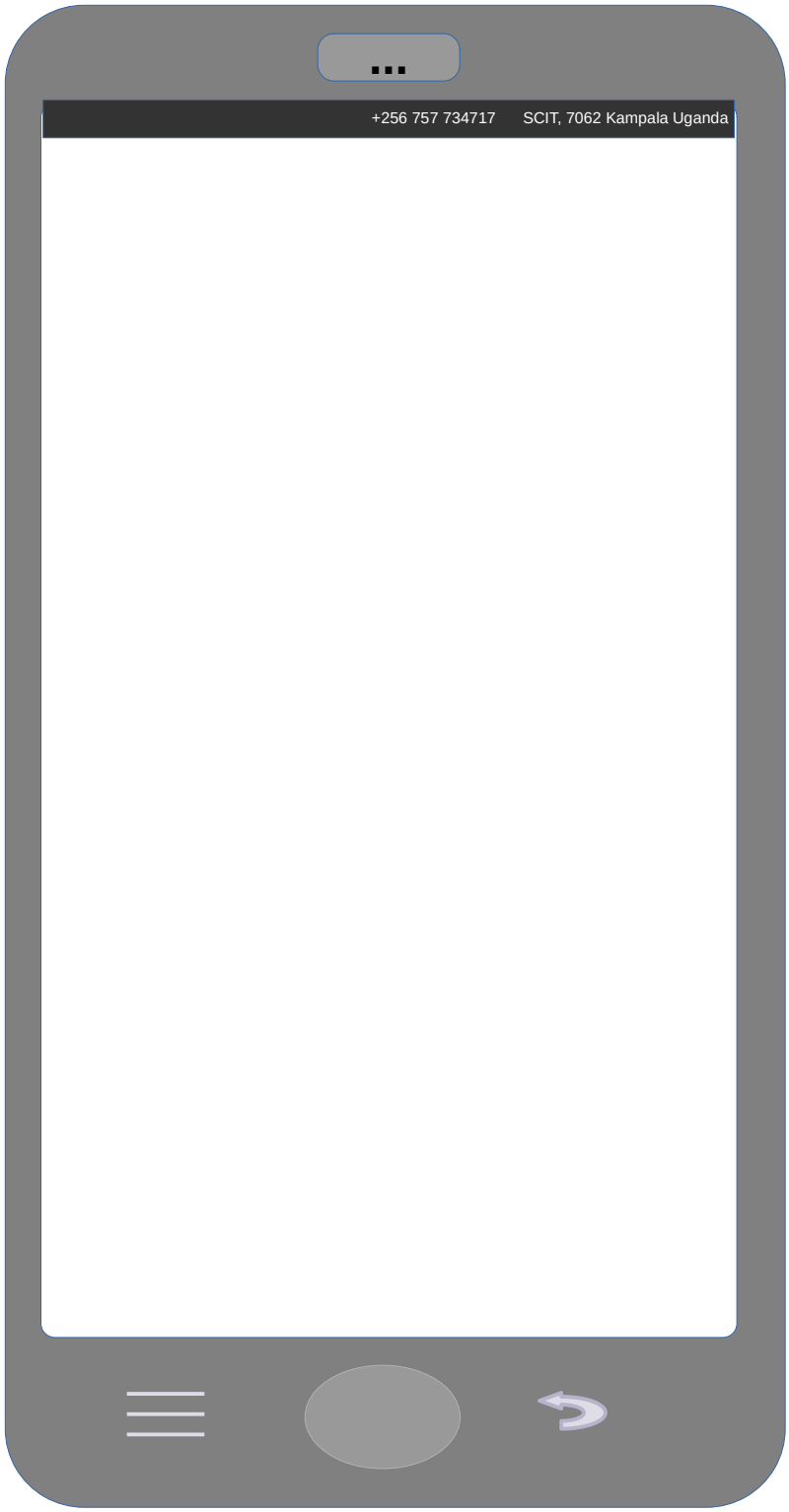
Upload firmware

Choose file

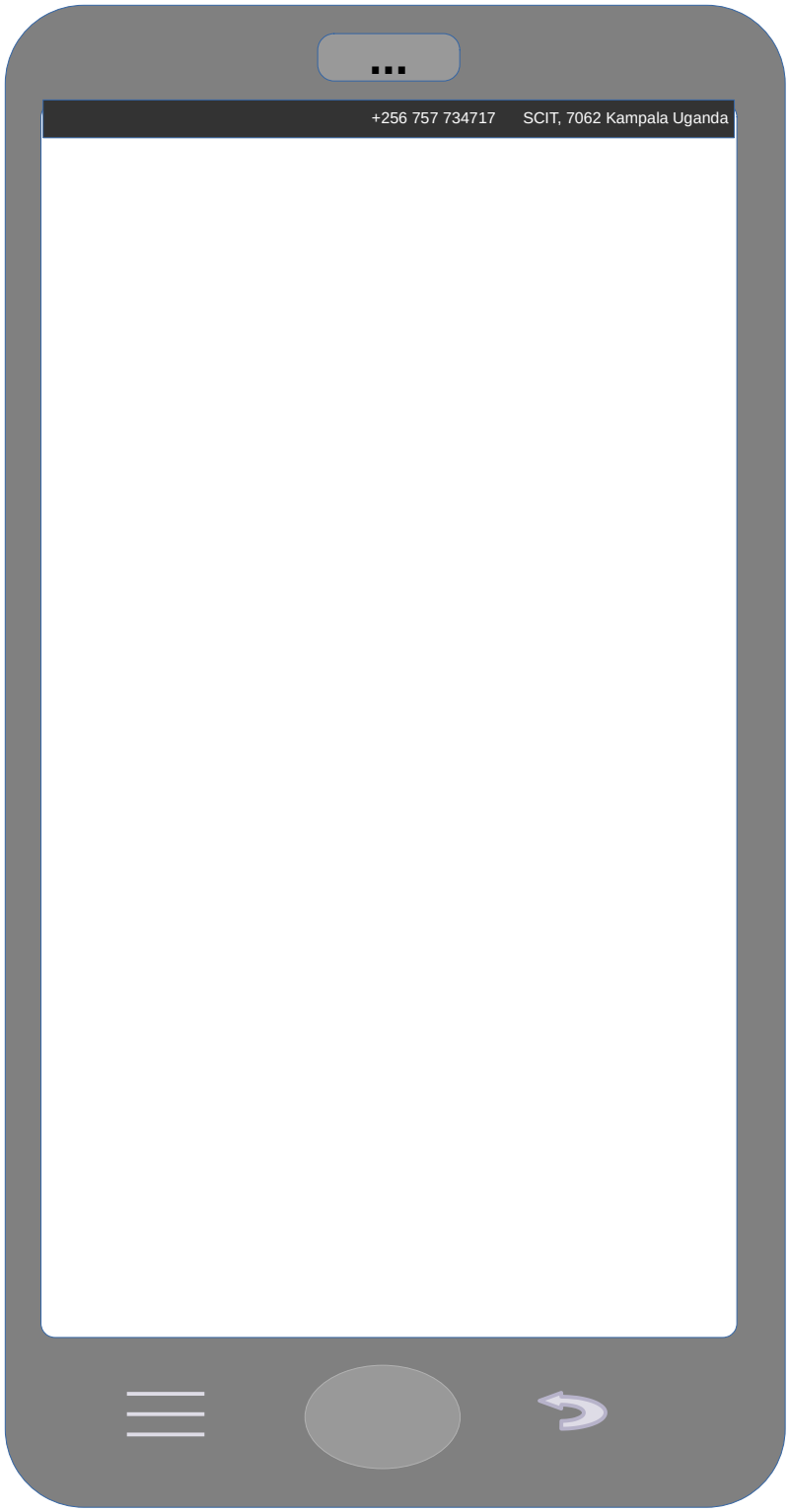
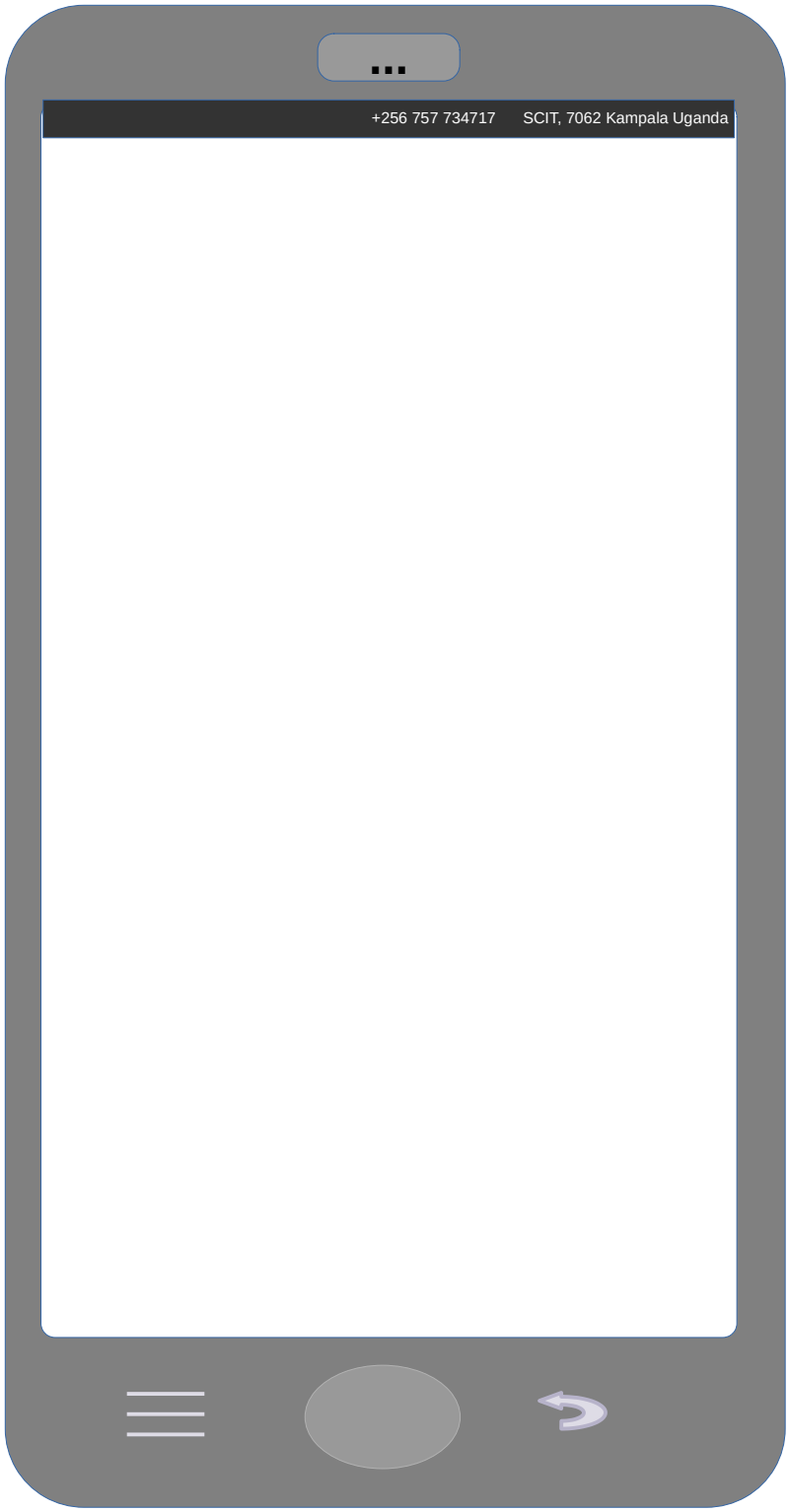
Or: Type commands in the terminal below. such as:

```
mnsabagwa@wimea>$  update firmware gateway
mnsabagwa@wimea>$  update firmaware sinknode
```

Login page



Login page



Login page