

KMC Android Application

- Version 2.0




LOGIN

Android status bar: 86% battery, 11:41 AM

KMC

Enter Password for User ID - SJRI

LOGIN EXIT

Android status bar: 85% battery, 11:40 AM

KMC


Enter Password for User ID - SJRI

..3|_____

1 2 ABC 3 DEF
4 GHI 5 JKL 6 MNO
7 PQRS 8 TUV 9 WXYZ
X 0 ✓

- Enter the password " 123 ".
- Press LOGIN button.

CONFIG SCREEN



The screenshot shows a mobile application interface for configuration. At the top, there is a status bar with icons for USB, a robot, Bluetooth, Wi-Fi, and a battery level of 100% at 12:22 PM. Below the status bar is a red header with a logo of a baby in a circle and the word "Neonatal" in red. The main content area is white and contains four input fields: "Health Care Worker ID" (empty), "Wearable ID" (containing "KMC001"), "Connection Type" (with radio buttons for "HTTP" and "HTTPS", where "HTTPS" is selected), and "Alias ID" (empty). At the bottom, there are four buttons: "SET", "CHECK", "START", and "EXIT".

- When the application is used for the first time, the fields will be Empty.
- SET button is used to SAVE Ids.
- START button is used to START Connection.
- CHECK button is used to CHECK the last succesful connection time.
- EXIT button will exit the application.

Neonatal

Health Care Worker ID
hcwid

Wearable ID

Connection Type

☒ HTTP
☐ HTTPS

KMC001
KMC002
KMC003
KMC004
KMC005
KMC006
KMC007
KMC008
KMC009
KMC010

CHECK

START

EXIT

Neonatal

Health Care Worker ID
hcwid

Wearable ID
KMC006

Connection Type

☒ HTTP
☐ HTTPS

Alias ID
babyboy

SET

CHECK

START

EXIT

- Enter the values for the fields, for example Health Care Worker ID as hcwid, Select Wearable ID as KMC006, Connection type as HTTP and Alias ID as babyboy.
- Now press SET button to save the information.
- You will get a message pop up "SAVED DATA SUCCESSFULLY".

Health Care Worker ID

hcid

Wearable ID

KMC006

Connection Type

☒ HTTP

☐ HTTPS

Alias ID

babyboy

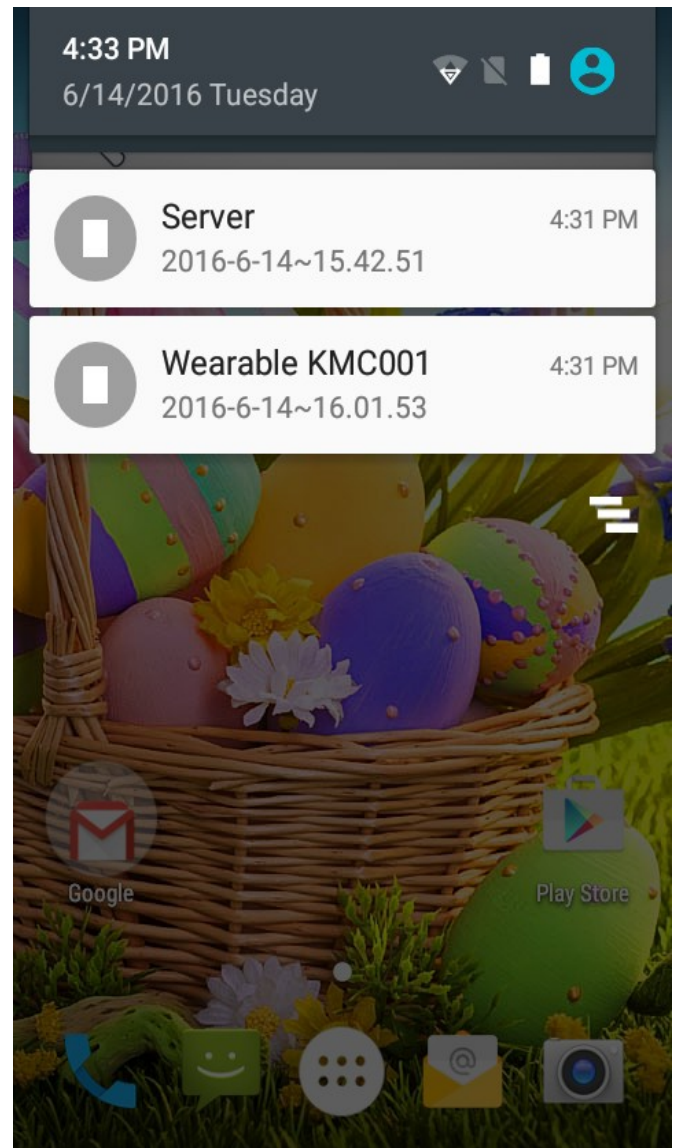
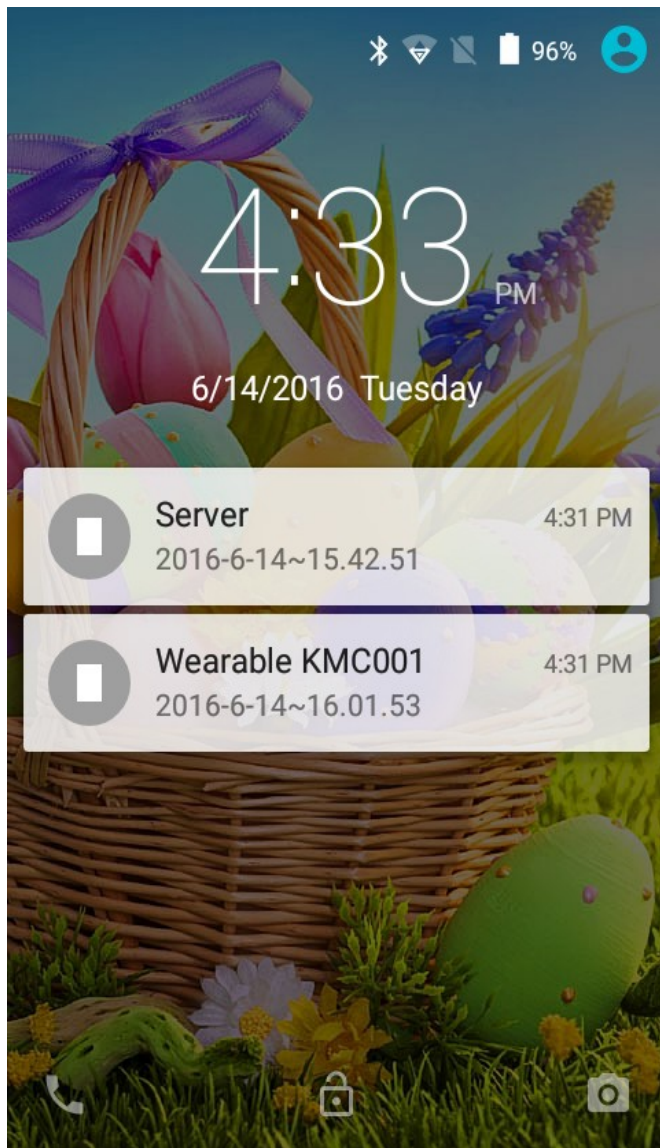
SAVED DATA SUCCESSFULLY

START

EXIT

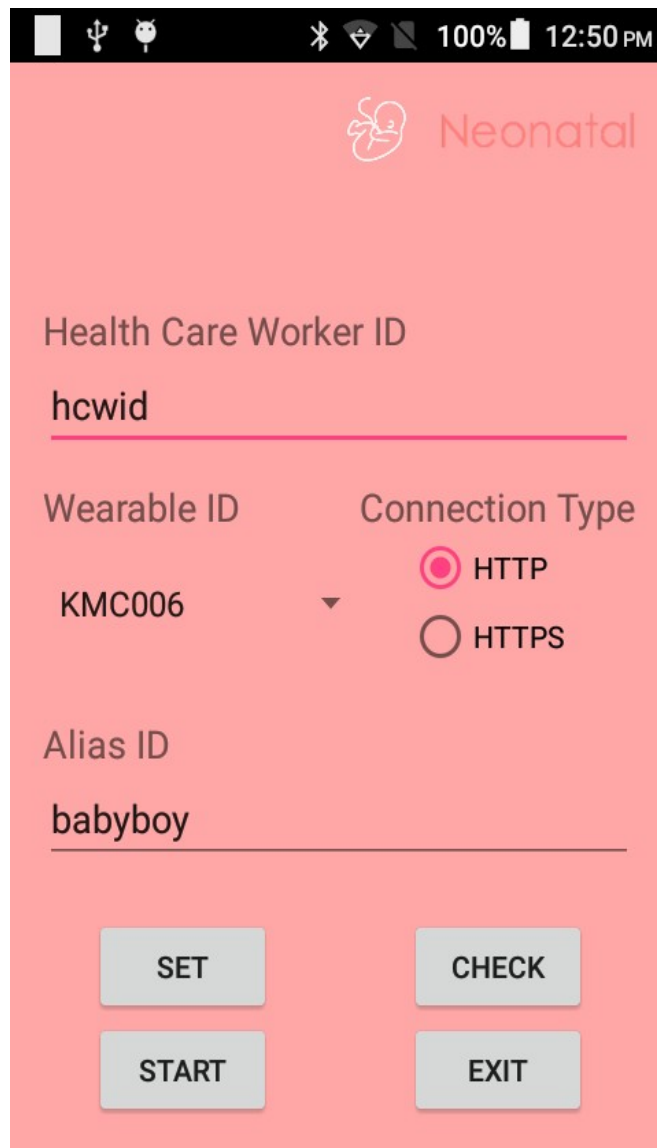
- After getting the message, press START button.
- It will start the Connection and will close the User Interface of the application.
- Now, every 30 minutes, the mobile will connect to the Wearable and collect the data.

NOTIFICATION



- Every 30 minutes, when the mobile tries to connect to the Wearable a notification is shown.
- If the screen is locked it can be viewed in the lock screen. As shown in Figure A.
- If the screen is unlocked, it can be viewed by swiping the screen from top to bottom. As shown in Figure B.

CHECK CONNECTIVITY



The screenshot shows the Neonatal KMC application interface. At the top, there is a status bar with various icons and the time 12:50 PM. The app header features a baby icon and the text "Neonatal". Below this, there are four input fields: "Health Care Worker ID" with the value "hcid", "Wearable ID" with the value "KMC006", "Connection Type" with a dropdown menu showing "HTTP" selected, and "Alias ID" with the value "babyboy". At the bottom, there are four buttons: "SET", "CHECK", "START", and "EXIT".

Health Care Worker ID
hcid

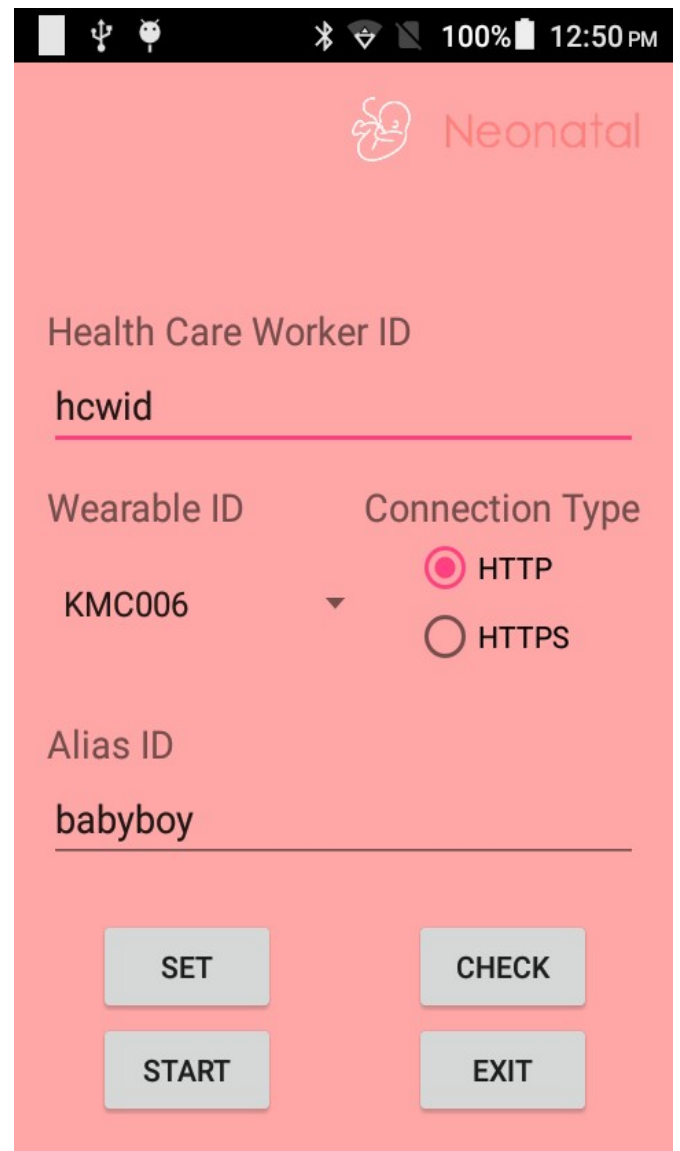
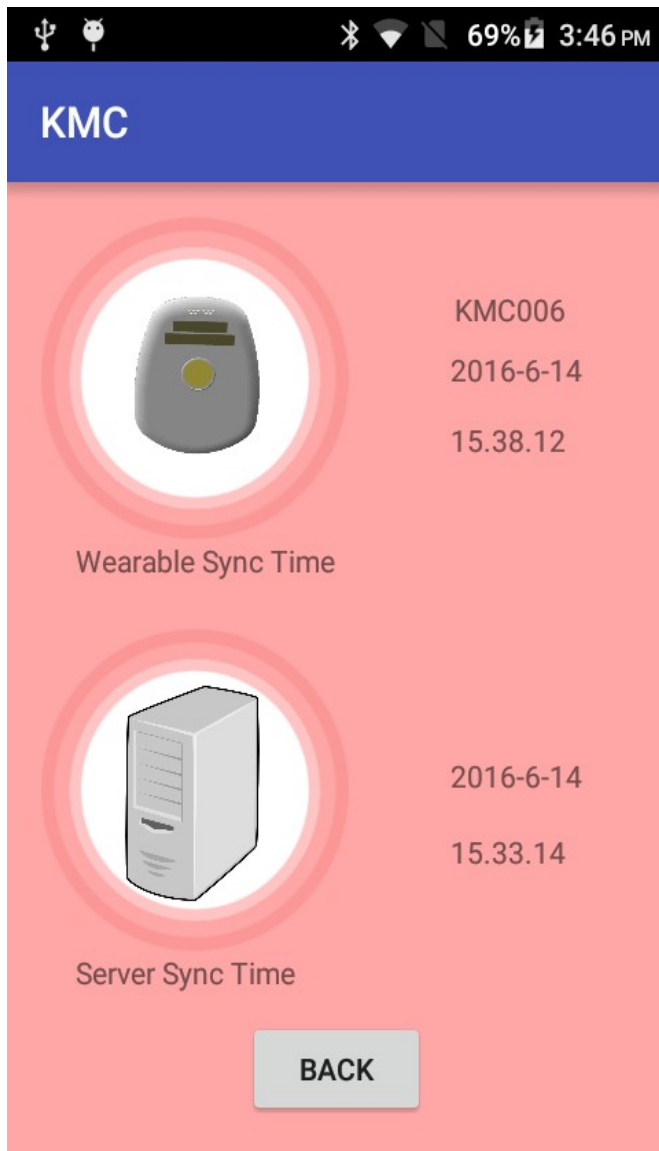
Wearable ID
KMC006

Connection Type
☒ HTTP
☐ HTTPS

Alias ID
babyboy

SET CHECK
START EXIT

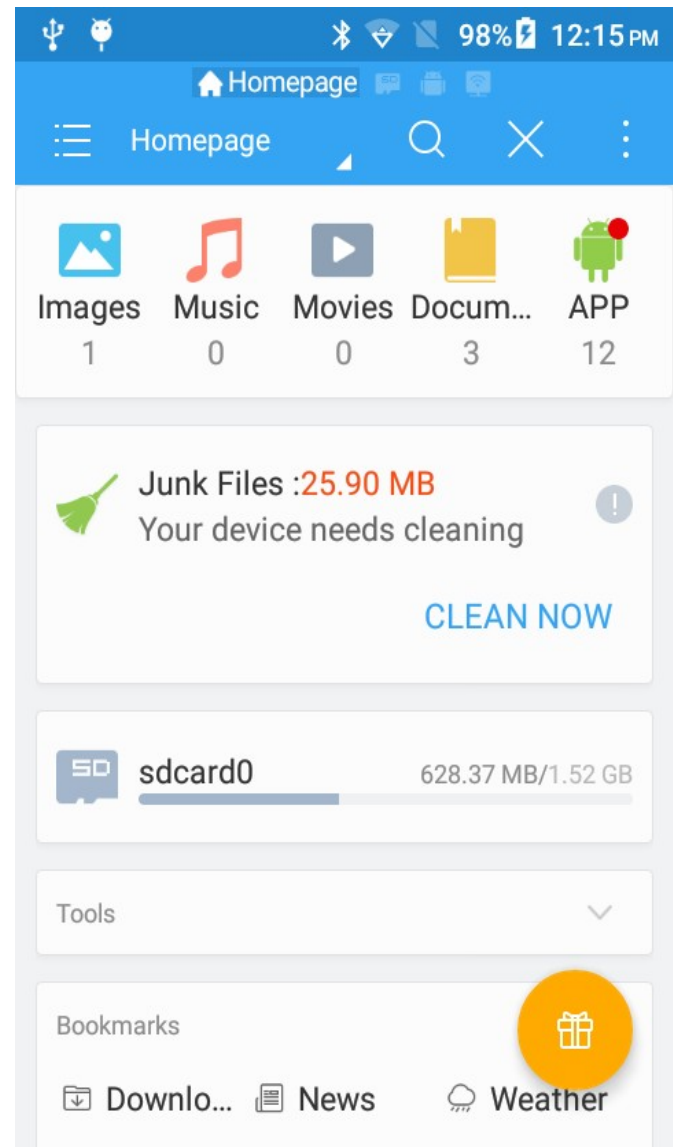
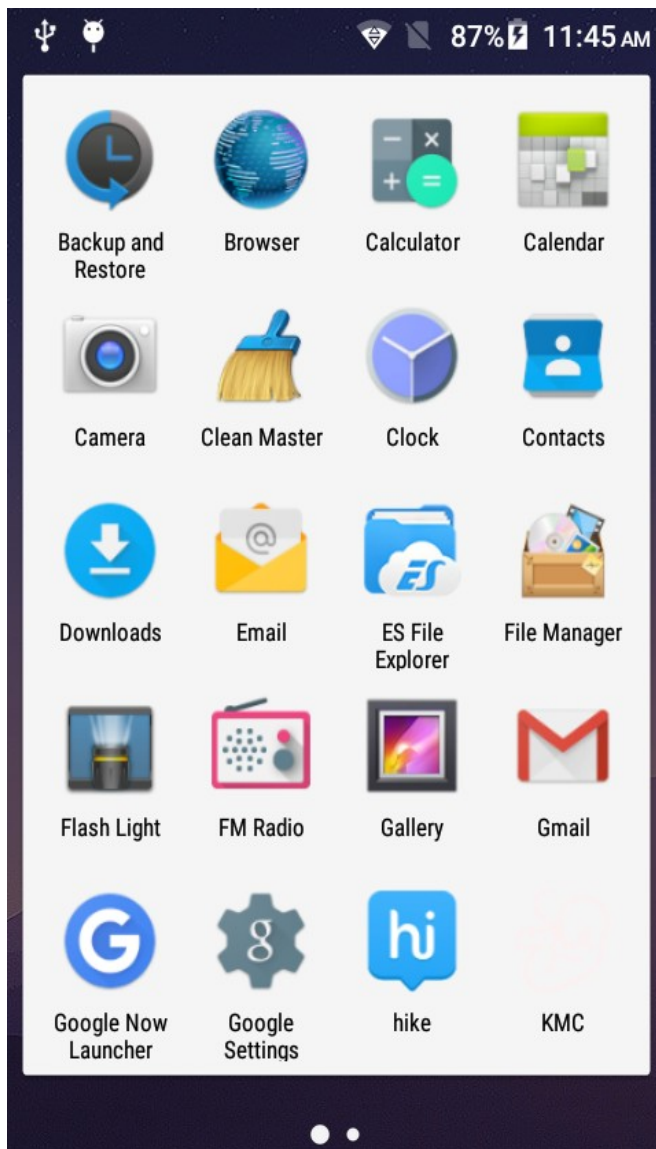
- If you want to check the last time the Gateway connected with the Server, open the KMC application and then press the CHECK button.
- It opens the Screen that contains the connection information.



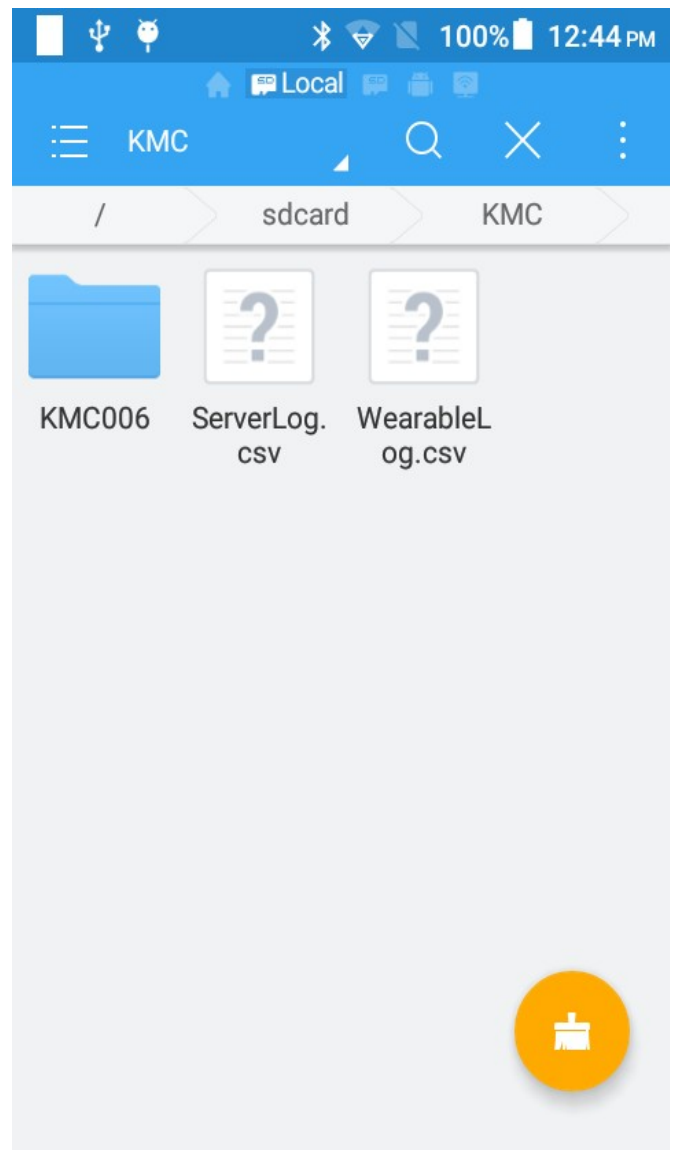
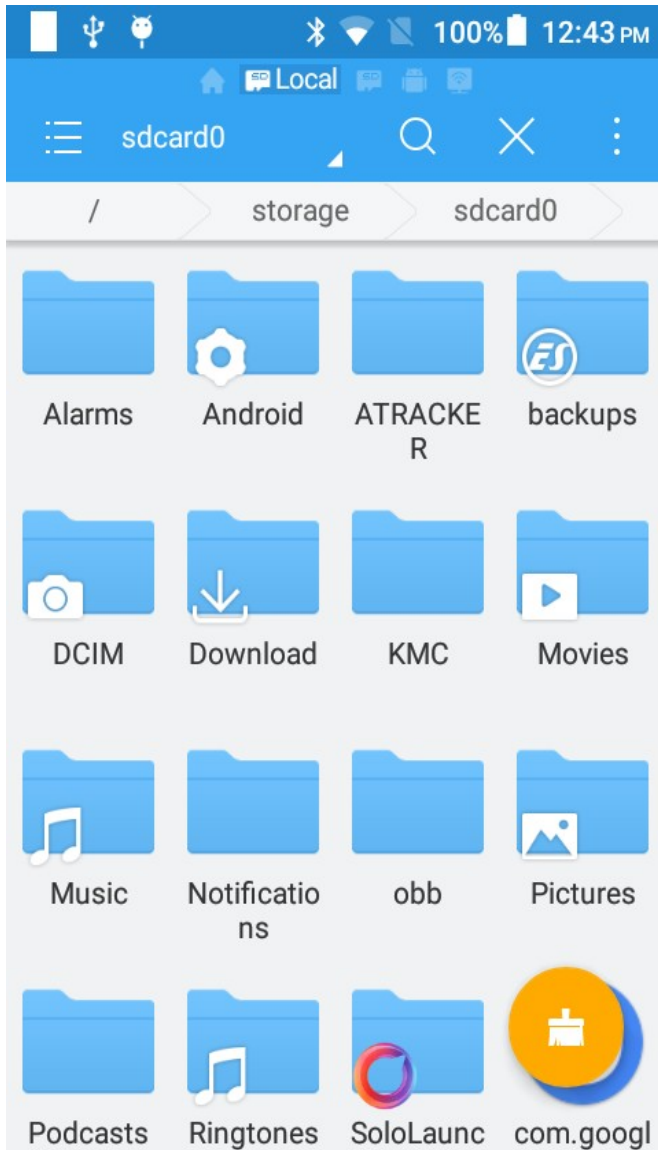
- Press BACK button to go back to the Configuration screen.
- Press EXIT button to close the application.

FILE EXPLORER

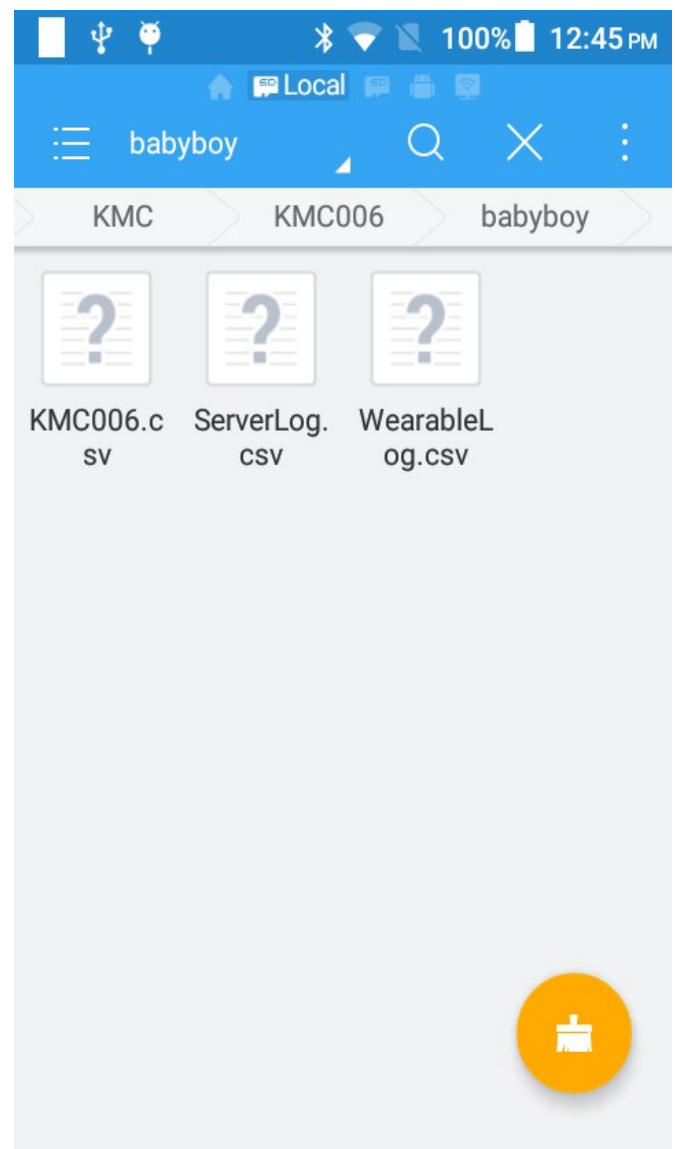
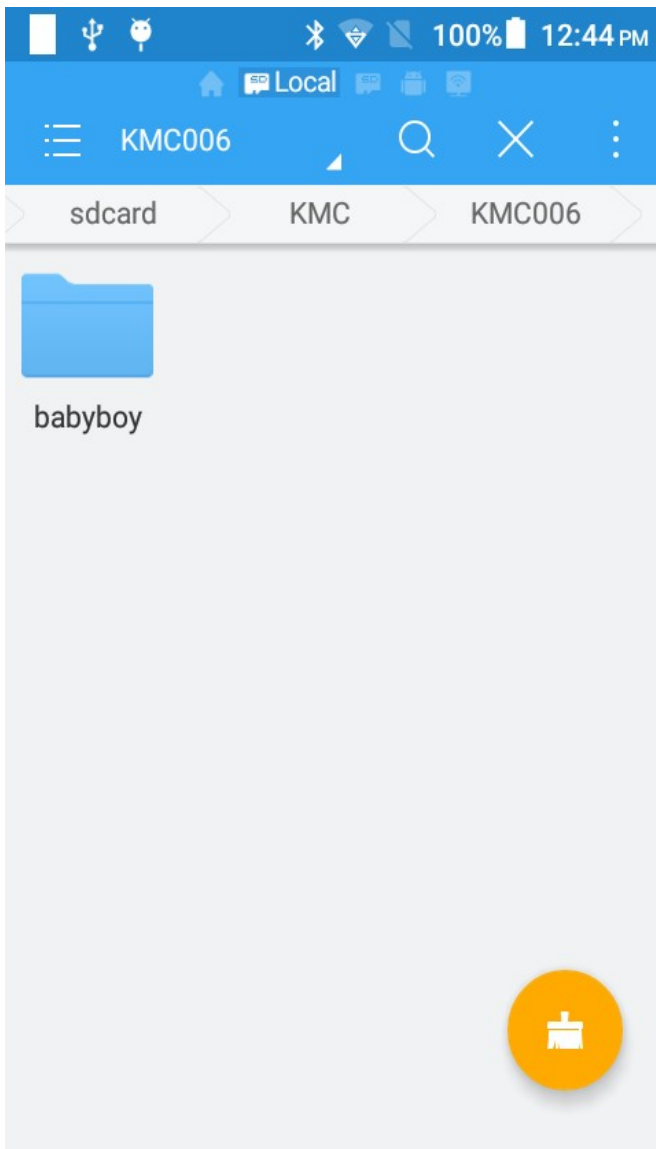
– ONE BABY



- To check the file in the phone. Open ESFileExplorer.
- Press sdcard0 to open the files application.
- You can find the folder named KMC in the file explorer.

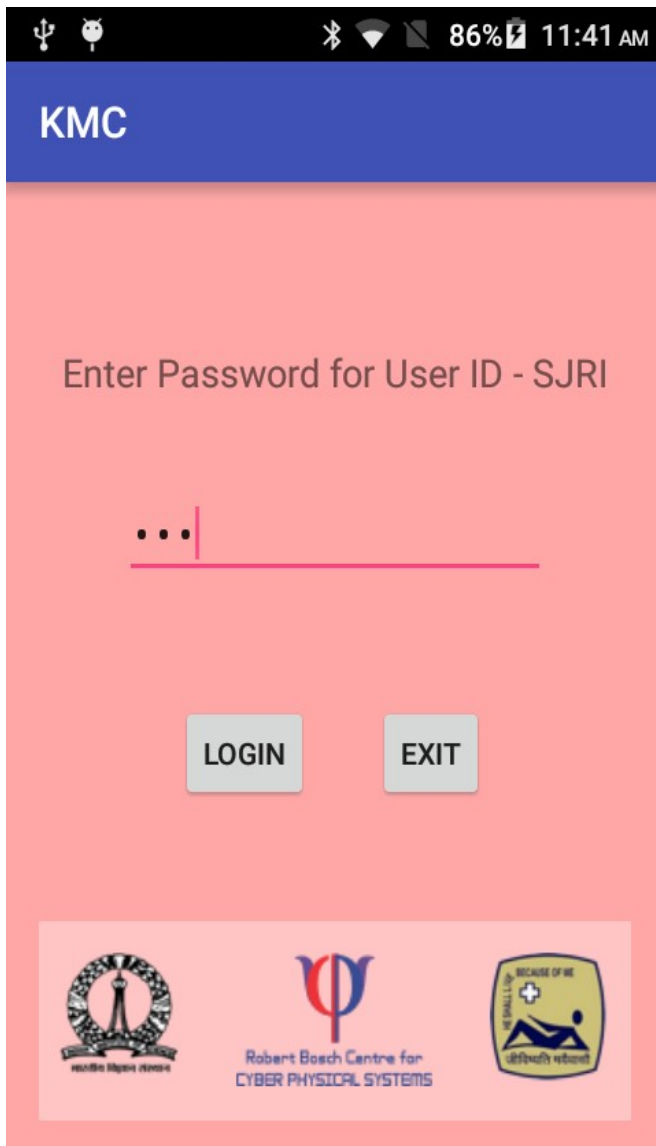


- You can find the folder named KMC in the file explorer.
- Open the KMC Folder, you will find Folder named as per the WearableID. We connected to KMC006, so the wearableID is used as the folder name.
- Now, open the KMC006 folder.



- In the KMC006 folder, you can find another sub-folder called babyboy, which is the AliasID that we gave to the wearable device.
- Now, open the babyboy folder, you will find the file KMC006.csv, ServerLog.csv and WearableLog.csv.
- KMC006.csv will have the data of the babyboy.
- ServerLog.csv will have the date and time of last successful connection the mobile had with the Server.
- WearableLog.csv will have the date and time of last successful connection the mobile had with the Wearable.

CONFIG SCREEN – 2nd Baby






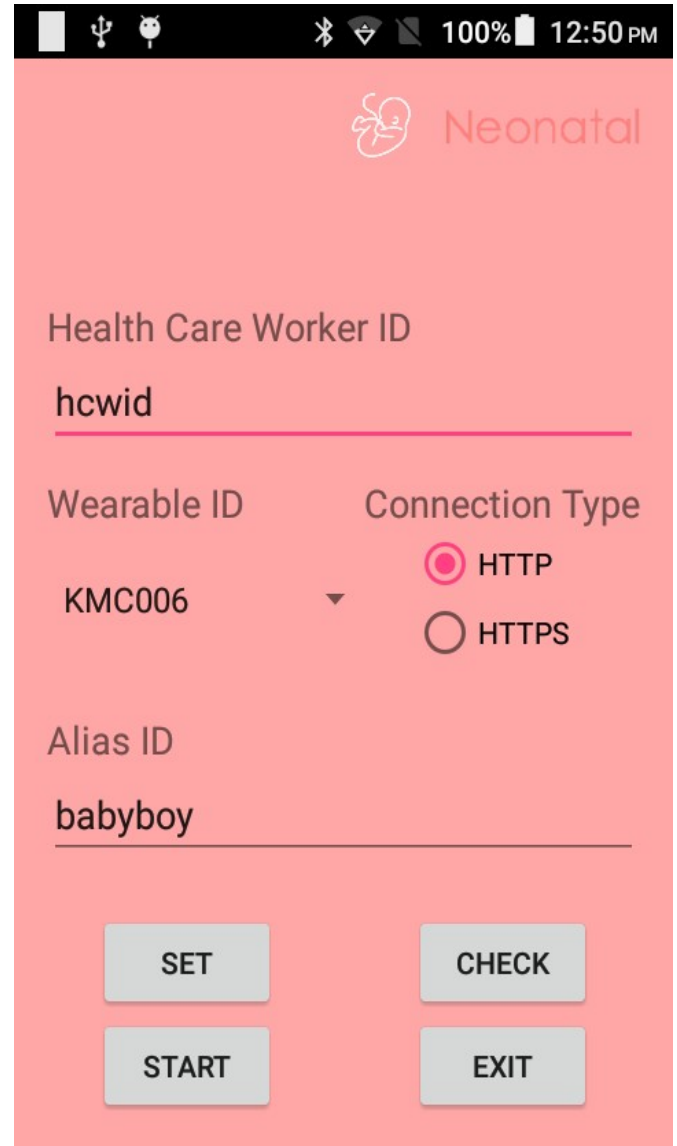
KMC

Enter Password for User ID - SJRI

...

LOGIN EXIT



Neonatal

Health Care Worker ID

hcwid

Wearable ID Connection Type

KMC006 ☒ HTTP ☐ HTTPS

Alias ID

babyboy

SET CHECK

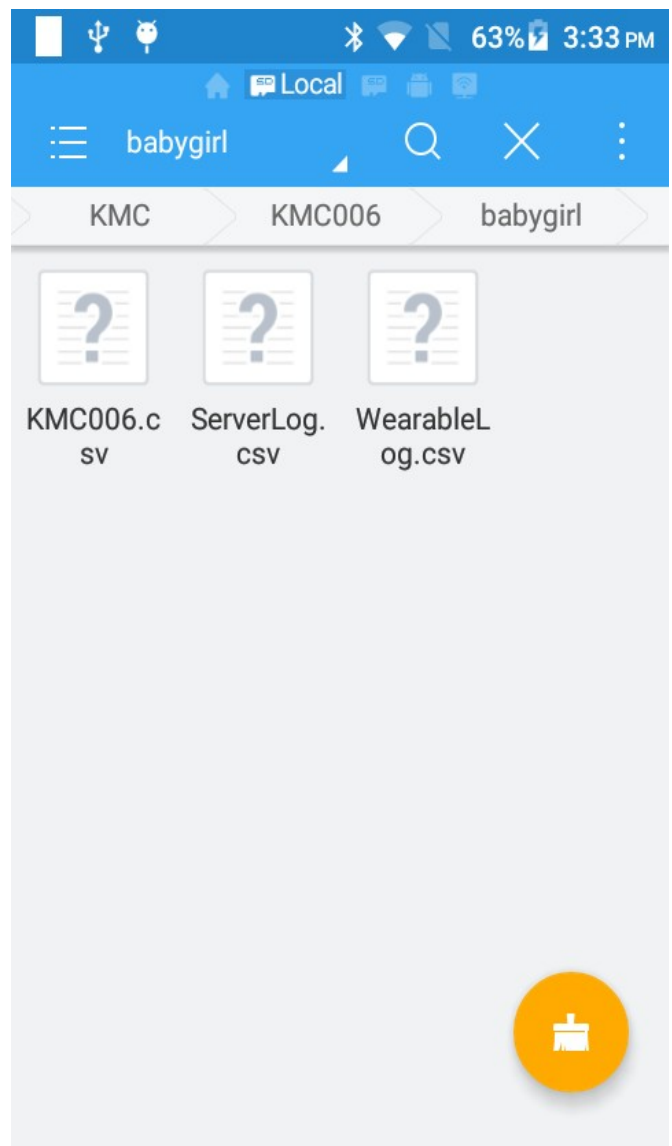
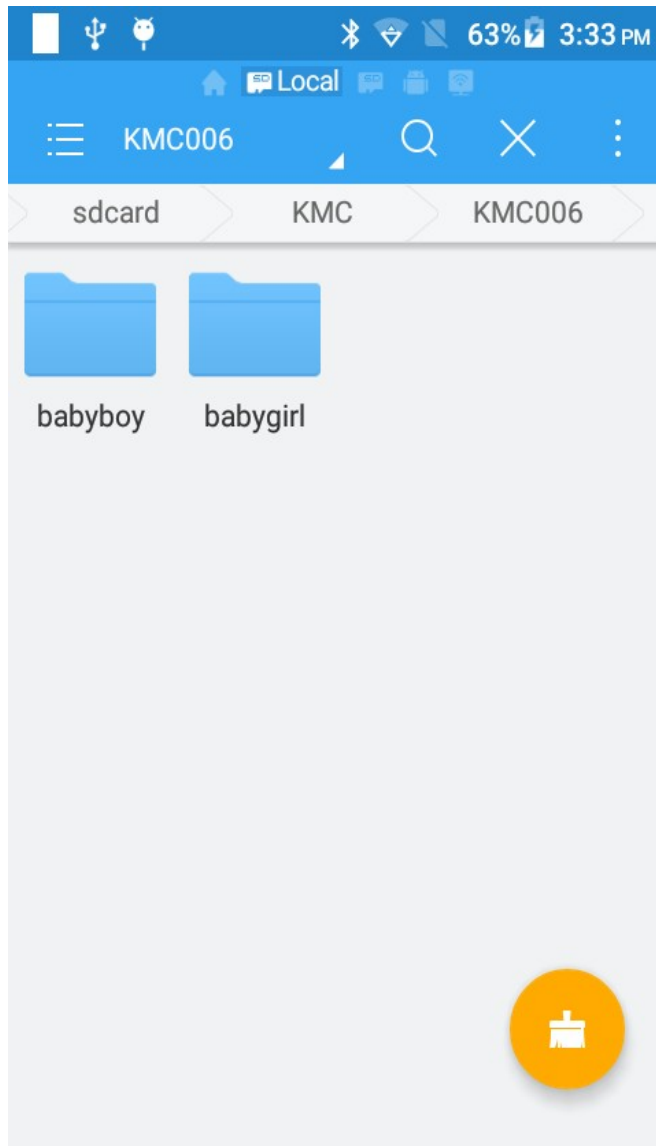
START EXIT

- To reuse the wearable to another baby, open the KMC application. The values for the fields will be already available, for example Health Care Worker ID - hcwid, Wearable ID - KMC006, Connection type - HTTP and Alias ID - babyboy.
- Edit the fields as per the requirement, for example change AliasID to "babygirl" and then press SET Button. You will get a message pop up "SAVED DATA SUCCESSFULLY".
- After getting the message, press START button.
- It will start the Connection and will close the User Interface of the application.

- Now, every 30 minutes, the mobile will connect to the Wearable and collect the data.

FILE EXPLORER

- TWO BABIES



- If you open the File explorer KMC -> KMC006 folder, you can find a new sub-folder named babygirl, that will have the data of the new baby.