SETUP :

ENVIRONMENT SETUP:
1) Android supported phone with "API 17" or higher.
2) The PC should have java 1.6 or above installed.

INITIAL SETUP:
1) Install the app using the .apk file provided in an android phone.
2) Copy the "RemoteDroidServer.java" file to the PC. Suppose it is copied to X folder. Compile the java file within the X folder using the command :

                javac RemoteDroidServer.java
                    --> This will create the java executable file
RemoteDroidServer.class

FINAL SETUP :
1) Create a hotspot from the phone. Connect the PC to the same hotspot.
2) Goto to the X folder(where RemoteDroidServer was compiled) and start the server by using the command :

             java RemoteDroidServer
                 -->The PC will act as a server in the hotspot network.
3) Open the app. In the "KEYBOARD" tab "ON" the switch. A "CONNECT" button appears, click on the connect button. A confirmation toast should be displayed.
                 --> The phone acts as the client to the server.

APP STRUCTURE AND USAGE

        The app consists of three main tabs :

"KEYS" tab :

        This tab consists of all the necessary keys used in a normal PC keyboard. The user can click on any key and it will appear in the keyboard tab.

"KEYBOARD" tab:

        This is where the entire action occurs. It has two modes :

1) "Switch OFF" or "KEYBOARD customize" mode :

                This mode is activated by the switch present in the upper part. In this mode the user can customize his keyboard. The following are main parts of this mode :

- The left part(coloured blue) : Here the user can chose the way he can vary the size of a button. He can chose whether he has to make it bigger/smaller, the direction in which the change happens i.e., vertical/horizontal. In the drop down list he can chose the amount by which he can vary the size of the buttons. After the selecting the

appropriate properties, he can click on any button to apply the chosen changes to the button.

- The upper part(coloured blue): keyboard mode change button already explained.
- The keys list part (directly below the above part): The list of all the keys chosen by the user from the "KEYS" tab appear here.
- The main keyboard part :

  The user can drag any key from the part above into any place(coloured white) below it. This is where the entire keyboard is designed. The user can place the keys anywhere in this part, and also vary the shape of the keys as explained in the first point.

2) "Switch ON" or "KEYBOARD usage" mode :

In this mode the user can use the keyboard as it is. Any key clicks will take effect in the PC. The keys will take effect only if the "CONNECT" button is clicked and a successful connection is established.

"MOUSE" tab :

The blue area can be used as a touchpad. The two buttons below the blue area are used as left button and right button respectively.