

CHAPTER 4

SOFTWARE IMPLEMENTATION

4.1 MODULES DESCRIPTION

For every product that is being developed it is very important to divide the modules before developing. Because it paves the way for parallel development and then finally combining it by integration. Likewise, the modules for this product include:

- Home Page
- Data Transmission
- Data Reception

4.1.1 HOME PAGE

This application allows the user to do both send and receive the data in the same application itself. It consists of two buttons one for sending the data and other for receiving the data.



Figure 4.1 Home Page of The Application

4.1.2 TRANSMITTING THE DATA

The application receives the binary data entered in Edit Text, from the user recognizes the length, and saves binary data for the length in array. With setFlashMode method, it runs 'torch' if the value is '1' and 'off' for the value is '0', turning on/off flashlight by OOK(On-Off Keying) of Level detection method.

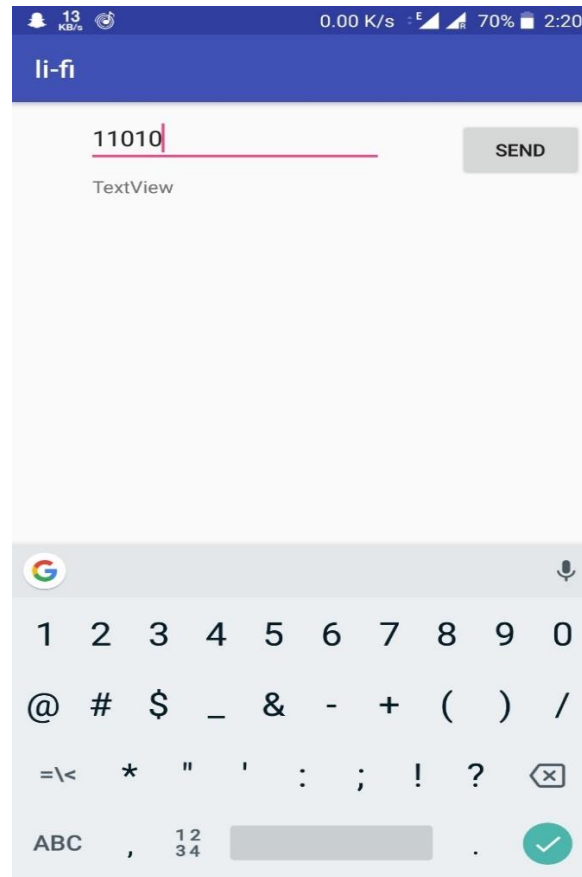


Figure 4.2 Data Transmission Page

4.1.3 RECEIVING THE DATA

This application uses inbuilt Light Sensor in the receiving android smartphones to receive the data sent by the sender and displays the data.

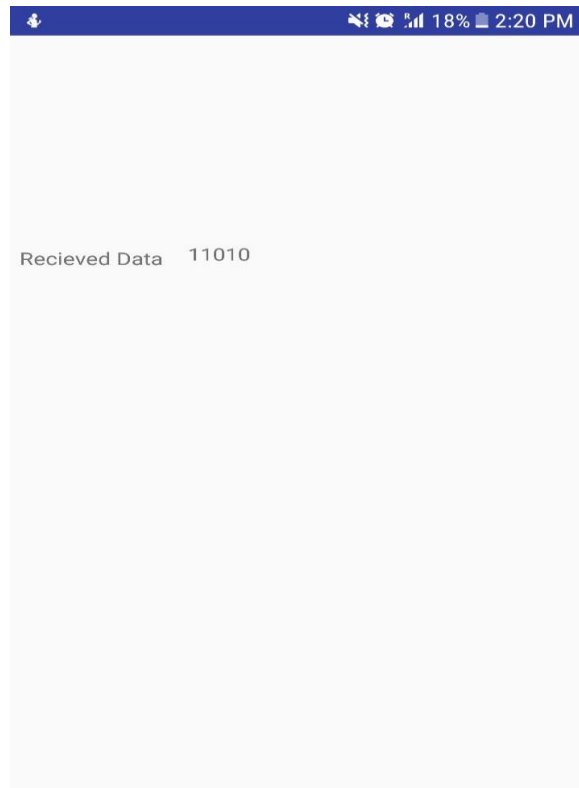


Figure 4.3 Data Reception Page