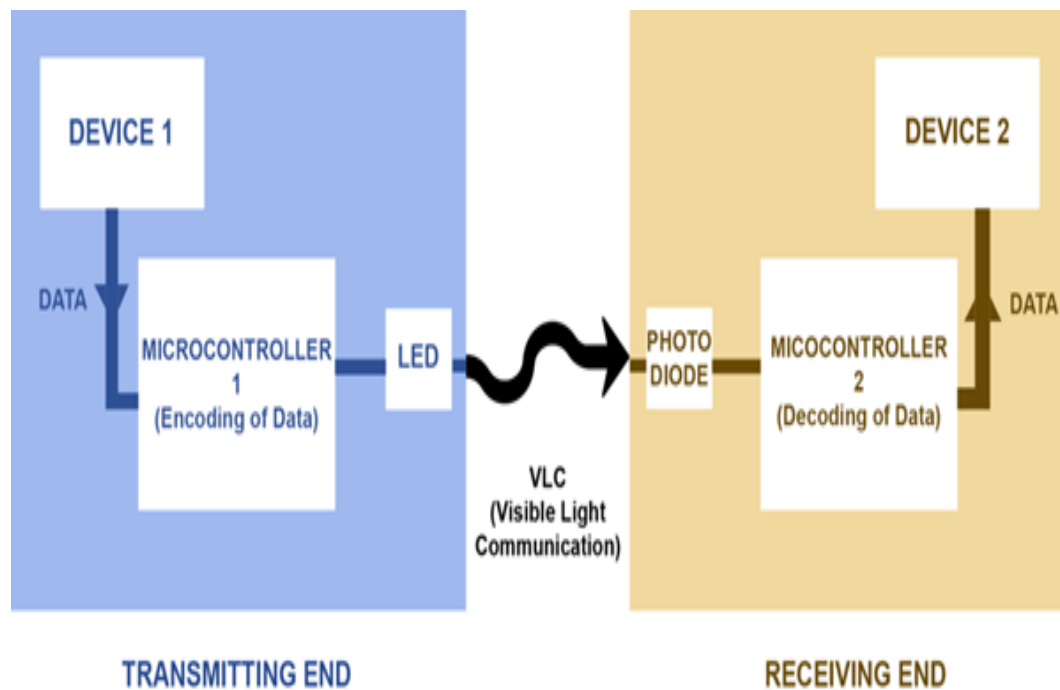# CHAPTER 3

SYSTEM DESIGN

3.1   BLOCK DIAGRAM

Figure 3.1 Block Diagram for Data Transfer

The block diagram shows how the data is passed from one device to another through Li-Fi. It shows the overall working of the application.
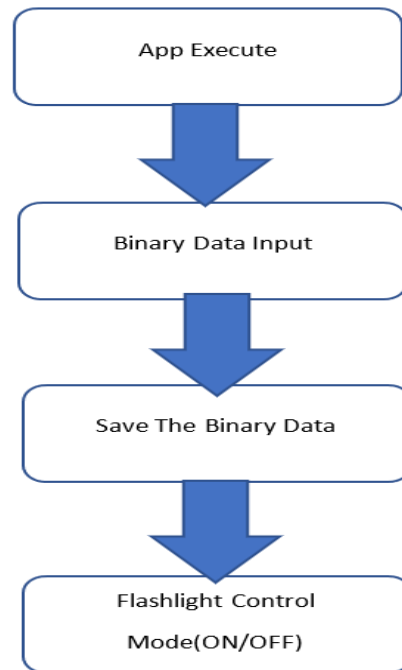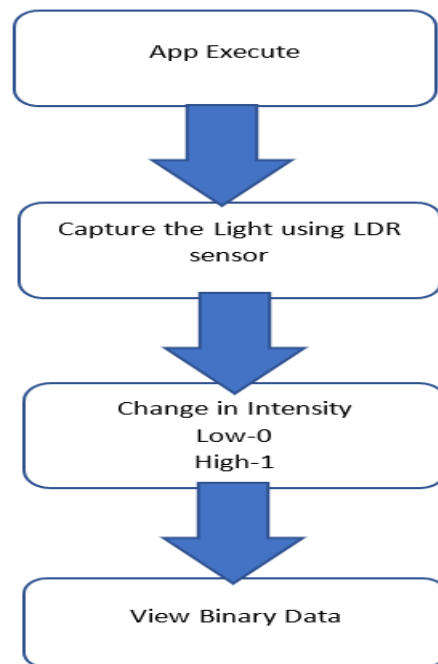
3.2   TRANSMITTER

Figure 3.2 Flow Chart of Transmitter

In the transmitter part first the binary data is obtained from the user then the value is stored, then depending on the values the flashlight transmits the data.

3.3   RECIEVER

FIG 3.3 FLOW CHART OF RECEIVER

In the Receiver part the light from the device which is sending the data is captured using the Light sensor present in it and depending on the intensity of the light the values are obtained and stored.