This code is used to program the Transmitter-Feedback circuit of the Light-controller node. It acts like a slave to the Receiver-Controller circuit of the Light-controller node as it only activates when the master gives it the command.

When it receives a pulse from the Master, It checks the brightness of the light from the Light dependent resistor connected to it. It also performs some signal processing and mapping to reduce the errors in the data collected from the sensor. Then encodes the data to be transmitted to the Central Hub along with its address.

Its timing is important as it needs to be perfectly in sync with the Central Hub to maintain the handshake protocol.