

# **Remotely Controlled Curtain System**

## **Abstract:**

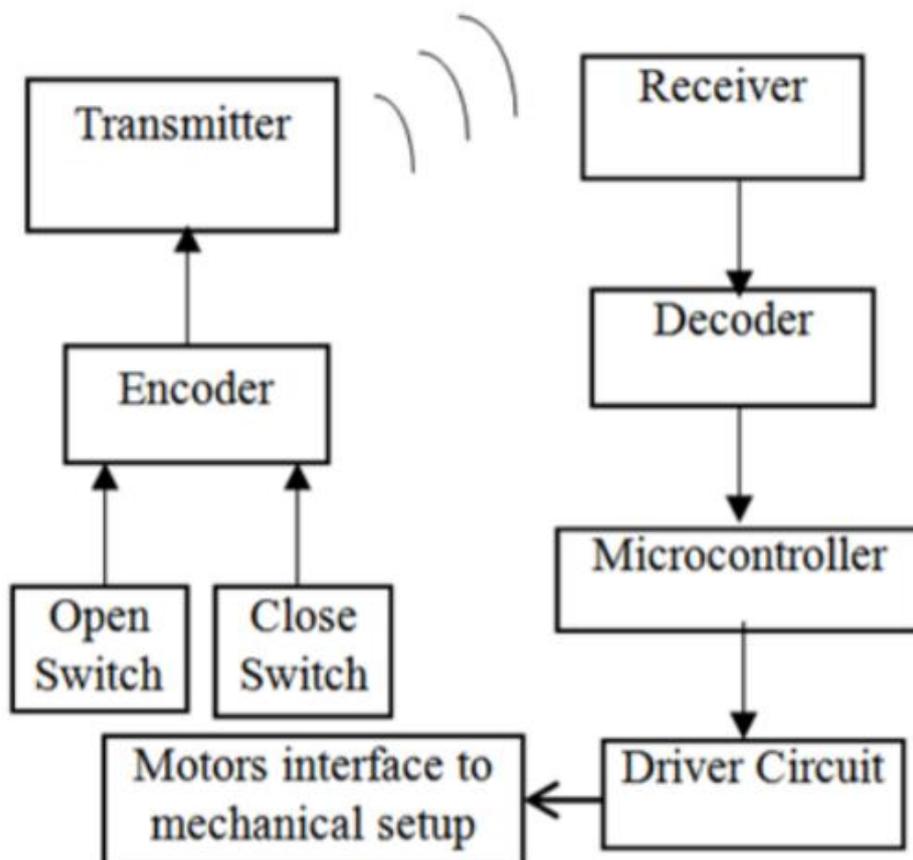
We have designed remotely controlled curtain system for wide applications. The mechanical parts are used to fabricate and mount the curtain at appropriate place. The electrical and electronics components are used to fabricate the circuit for controlling its operation remotely. The control circuit consists of three sections, the transmitter section associated with open and close switch followed by encoder and the next sections consist of receiver and controller. The Radio Frequency signal is used to communicate between receiver and transmitter section. In this project we present the design, development and testing result of the system.

## **Introduction:**

In today's life we try to maximize our tasks within an allotted time. Without Electronics, it is not possible to accomplish our daily tasks and we are also not able to do our work with efficiency. Every Electronic device is meant for providing comfort and flexibility to our lifestyle. Our work is also being done with a view to enhance people's lifestyle. Electrically driven and remotely control curtain system can be widely used for homes, hospitals, cinema hall theatre curtain and hotels. The curtains are also used for covering the wall magazines, painting and exhibition hall. Rather than closing manually one by one after reaching its installation place, all the curtains or particular one will be closed far from their

mounting place. Again, for physical disabled or elderly person, those are suffered from movement disorder find difficult to close each window curtain manually [1-5]. In designing a remote controlled electrically driven curtain system, emphasize has been given in building up a reliable and flexible system that can be easily operated and adapted for a closed or open environment. Therefore, for the purpose of this work some specific deliberate choices were made on the type of platforms, hardware components and mode of operation of the curtain system.

### Block Diagram:



## **Conclusion:**

It is evident that remotely controlled curtain system for wide applications can be made at very low-cost locally. And can be installed at closed environment as well as open environment. Particularly, due to its simple mode of operation it is highly useful for the elderly people and people having joint problems. The components required are so small and few that they can be packaged into a small inconspicuous container. Project is less complicated and hence analysis and replacement of components is easy. With the use SMD devices the space for the control unit can be reduced to a much smaller dimension.