

## **Mini Smart Cupboard (Wireless Controlled)**

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### **ABSTRACT**

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Nowadays, there are so many things are in high automatic operation and wireless controlled is widely-used in our life. We cannot prevent and avoid the trend of its development. That is a reason the idea and concept of the mini smart cupboard is carried out by me after searching and observing the things around me like cupboard to keep the plasma television inside the door.

There were a lot of challenges while I was designed this kind of project. Because I do not see any popular trend of automatic and wireless controlled technology are used in furniture. So, this encouraged me to design very different furniture like cupboard by applying a little bit wireless controlled and automation on it.

The following pages are some illustrations and photo gallery that is going to show how my cupboard framework did design was carried out, the difference views of the Mini Smart Cupboard by auto-cad and real photos are enclosed too. A clear explanation of the design in either mechanism or circuit has been discussed. There are materials and frame design of the cupboard will be discussed too.

Besides, the circuit analysis and calculation of the important part of the project were being done in this report. The following the report is going to show how the wireless circuit works, its component and the methods to adjust the radio frequency. In additional, the useful PCB board design will be discussed too and some photos are available.

Hopefully all the information in this report will be useful for those students who are interested in my project. Thanks for your appreciation!