

Abstract

Now to access a room conventionally is prone to danger because of the increasing number of ways to access the room by people who do not have access. Along with the development of smartphones which are increasingly becoming a staple in the daily life of the people today, it is not possible to make door access using a smartphone as a medium of access. In this door lock system the user can access the door automatically via smartphone using Bluetooth connectivity as the data communication media. In this system implements M2M (machine to machine) communication as data exchange from smartphone to system. By using a smartphone as an access media to be able to enter into a room that is privacy is expected to be able to provide convenience for users because more and more people who need a smartphone and access is only done by users who are registered in the database of the system that has access rights to enter indoor. In this case the system uses the identification of the Username, Password & Mac Address to be authenticated to the web server if it has been authenticated then the results will be displayed to the LCD and Relay to open the solenoid.

keywords : system key door lock, M2M, internet of things, Automatic System Control.
