WIRELESS PERSONAL MESSAGE BOARD

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ABSTRACT

Information is conveyed in a message form to inform people the necessary. There are many ways of displaying a message. There is once where people use sticky note to be used as message conveyor. However, technology evolves from time to time. Now, LED dot matrix is better than the sticky note which is used to stick on the door to inform people that you are not around. In addition, LED dot matrix is more environmental-friendly which helps to save more trees.

In this project, a personal message board with wireless and door-locking capability is built to serve its purpose in providing information to the people needs'. At the same time, the door-locking capability is used to prevent people to interfere your work when you are busy or away. A remote control is built with 4 buttons where each button will trigger a message to be displayed. If one of the higher priority messages such as "Be Right Back" or "Away" or "Marking in Progress" is displayed, the solenoid at the door will be triggered hence lock the door, preventing people from entering the room. The lower priority messages such as "Hello" and "Please Come In" will not trigger the solenoid and so the people can enter the room. This project was designed especially for the lecturer in the university. When students need to go to find them, they can at least know whether the lecturer is busy or gone somewhere. It will be particular useful for lecturer and students.

The successfully built prototype is able to achieve all the technical objectives which are described earlier in this project. This report starts with the introduction and includes literature review, system overview, block diagrams, methodology, flowchart, and the description for both hardware and software. Then it ends with the conclusion.