

ABSTRACT

Hospitals are supposed to be a place of healing for some people, but relatively we could see many hospital were unable to provide good situation for their main purpose. There are so many factors why a situation that is not conducive is not uncommon in hospitals. Among them is the disorganization of the number of over-crowded visitors at the hospitals for the purpose of visiting relatives who may be undergoing treatment. The hospital itself certainly has made rules for visiting hours that should be obeyed to by the visitors, but the reality is still we could see visitors easily break the visiting hours and make the hospital feels so crowded

The second condition is the patient list board which is usually still in the form of a conventional board often does not display the actual data that occurs in the hospital. Patients who have cured/returned are often displayed on that board.

To overcome the condition of hospitals that tend to be over-crowded, the writer tries to create a door system in the hospital room where external access/the visitor can enter the patient's room at certain hours, but internal access who are a person from hospital side exp. Doctor, nurse, etc. can enter the patient's room without hours limitation. The access distribution is based on the storage of the identity of each hospital visitor by using a database and RFID

As a solution for the second condition is implementing an automatic patient list board with digital media and can be updated in real time by using a database and RFID as a storage of patient identity

Keywords: RFID , Automatic Door, Patien List Board, Digital (min. 1 word, max. 5 words)