Abstract

One of the most prevalent problems in hospitals of India is the infants being abducted or getting mismatched from their respective parents. Thus a smart infant monitoring system based on RFID is proposed in this paper to reduce the potential risks. The smart infant monitoring system can be used in neonatal department in hospitals with integrated RFID modules. The smart infant monitoring system is composed of:

Child monitoring system (CMS)

Server Room System (SRS)

References

1. Shou-Hsiung Cheng, Department of information management, Chienko Technology
Active RFID and ESP8266 based Child Monitoring System

University, Taiwan. An intelligent infant healthcare system of vital signs integrated by active RFID. In proceedings of the 2013 International Conference on Machine Learning and Cybernetics, Tianjin, 2013.


16. Lionel M. Ni, Yunhao L., Yiu C. L. and Abhishek P. P., "LANDMARK: Indoor Location Sensing Using Active RFID". Wireless Networks 10, 701-710, 2004.

**Index Terms**

Computer Science  
Information Sciences

**Keywords**

Passive RFID reader ; Active RFID tag ; Server room ; CMS (child monitoring system); ESP8266 Wi-Fi module; Android; Arduino; Bluetooth module;