ABSTRACT

Picked up by a child on school hours was a daily routine. At the child's pickup using the bus no information on notified parents the child had been picked up. Both boarded a bus or got off the bus heading home, causing concern to the parents. Supposedly the parents get the optimal bus service for the child so the parents can find out the child's condition on the way home from school. From this the outhor created what is expected to be an application-based information for an application-named system and bag tag NFC, providing visual information of photos or link children boarding buses and getting off buses sent by Internet connection using the Mcu node modul into the web hosting basis data, and data stored in the data base can be used to send an identification by using a telegram application. Output from this device in the initial condition of the child's self-data telegram and the status of the child had boarded a mini bus, had been up and down, and the child's photo was a link. The system can send data of the child's status to get on the bus and off the bus with accuracy tapping 2 cm (s) and sending the data to the data base within 2- 30 seconds of each delivery. System success rate is perfect if taping boy is doing well and stable internet connection.

Keywords : Nfc, Node Mcu, Notification