

ABSTRACT

The growth technology creation an engine in order to facilitate a work in producing something notification of the system presence on school bus SMS based. Before his many parents students anxious as children traveled to schools were using school bus. Because parents do not know that students had been on and going to school use school bus. Because parents do not know that students has just gone up and going to school use of school bus. In are caused by bustle parents could not deliver students to school. To resolve the issue of the existence of notification system on SMS-based school bus was able to give a response to the anxiety of the parents when students/students will travel to school. RFID(Radio Frequency Identification) serves to identify the based wireless (wireless) that utilizes electromagnetic wave with a specific frequency in order to retrieve data from an object at a distance of RFID tag 2 cm max. While Raspberry Pi will be enable as a file server with the right settings to data storage and division data notification of SMS. Excess of Raspberry Pi can do all things which are done by a computer/laptop with Linux operating system, create a server, create a program with a wide range of Languages. Based on it then built a system of notification of existence of students in school buses through RFID-based SMS which aims to provide a response to the anxiety of the parents when students/students travel to school using the school bus.

Keywords: studenst, RFID Tag RIFD Reader, GPS U-blox neo 6M, API, Python.