AVRS for Parent of Students using Rasp Pi

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Abstract

Now-a-days every institute needs automation. Automatic Voice Responding system (AVRS) is an automated communication system allowing parent to interact with a student database to know the defined result without using man power. The parent can get the information according to their free time from anywhere by dialing the specified mobile number. The AVRS uses the data stored in database. The parent’s mobile number is stored in the database and one mobile number of colleges is given to parent. When a parent dial the mobile number given by college, parent will get the student percentage attendance in the form of voice. So parents can get the student academic performance report from anyplace at their free time. For implementing this AVRS, we are using ARM 11 microcontroller Raspberry Pi and GSM module. The system programming is done by using python. AVRS is specially designed for parent to obtain the student academic performance and the system is highly reliable and scalable. Also the system made user friendly and operating on a 24*7 hour basis. Parent can obtain real time information of student using just mobile phone.
References


11. MR. Ritesh Chauhan, Mr. Vivek Joshi, Prof. Aanchal Jain, “A comprehensive study of design, development and implementation of an automated IVR systems,” international journal of computer science and information technology and security vol. 2, no. 6, December 2012.


Index Terms

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