



Wireless Multiple Choice Question/Answer evaluation system for classrooms

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Multiple Choice Questions (MCQs) have become a routine question answering method to assess student readiness for lectures in a classroom. The task of developing a wireless system to do such a testing procedure has been attempted. A radio frequency 433.92 MHz (RF) module is used to communicate between the sender (student) and the receiver (teacher). Using this system, the student is able to answer the MCQs and the teacher or the system is able to grade the answers. The sender module consists with both alphanumeric and additional keys, while the whole unit is about 10cm x 10cm x 6cm in size. This system can be developed to obtain student attendance in a classroom as well, with some minor changes. Visual basic 6.0 has been used to develop the database. PIC16F877A microcontroller is the main CPU used in the sender and receiver hardware.

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