

## The Design of Intelligent Classroom Management System with Raspberry PI

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**Abstract :** Attendance checking in the classroom for student is object to record the student's attendance in order to support the learning activities in the classroom. Despite the teaching trend in the 21st century is the student-center learning and the lecturer duty is to mentor and give an advice, the classroom learning is still important in order to let the student interact with the classmate and the lecturer or for a specific subject which the in-class learning is needed. The development of the system prototype by applied the microcontroller technology and embedded system with the "internet of thing" trend and the web socket technique will allow the lecturer to be alerted immediately whenever the data is updated.

**Keywords :** arduino, embedded system, classroom, raspberry PI

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