**Topic** School Bus Tracking and Attendance Checking

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**ABSTRACT**

School bus is the popular of school transportation for the parent who have no time to take their children to school. Most of the student waste time waiting for the bus and sometimes they even miss it. And together with the accident in 2013 and 2014, the school bus driver left the children on the bus then they suffocated and died. This project combine navigation and QR code technology to make an Android application on mobile phone device use for tracking the school bus and checking the children attendance that is called “School Bus Tracking and Attendance Checking”. First, every users will have own account. This application can notify the approximate time when the bus incoming and can track the school bus. Then check the children attendance by QR code technology. Moreover, the application can alert the school bus driver when they drive faster than the school bus law. Finally, notify the parent when the children get on and get off the bus. In the special case the parent can cancel the school bus ride on the application.