

Challenges of Manual Attendance System Towards Student Motivation

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Abstract. Students must attend lectures to get their primary source of knowledge to their study materials. They motivate students towards attending lectures can be achieved by student attendance. This article shows that many research papers prove attendance is important and attending lectures can be motivated. In the current attendance system, the process is fully manual from taking attendance to processing it to see whether the student has reached the required attendance percentage. Also, the current system shows students their monthly attendance, but it isn't sufficient to motivate students. The current Systems data can be manipulated by students and students can use those methods to mark attendance while not attending lectures which decrease the motivation of students towards attendance. According to the survey data, there is a requirement for an automated system for attendance. The system should be included with a method to motivate students to reach their required attendance percentage for a semester. The method includes a smartphone application that reminds students about their daily attendance. Also, there should be a method in the system where students with lower attendance are noticed and guided to reach their required attendance. A fingerprint is a proper method to verify a student's identity in a lecture according to the survey. Since there are more Android smartphone users the mobile application should focus on them. From this method, students can be motivated to achieve their required attendance percentage and also reduces attendance frauds.

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