**SYNTHESIS**

The Enhanced Attendance Monitoring System

The Enhanced Attendance Monitoring System and general mobile education applications both improve communication, accessibility, and parental engagement by providing real-time updates on school activities, emergencies, and academic progress. They also promote efficiency by reducing paper waste and using multiple notification methods like SMS, email, and app alerts.

However, unlike standard mobile apps that rely mainly on internet connectivity, this system integrates SMS technology to ensure message delivery even in areas with limited access.

It also specializes in attendance tracking using QR codes, offering features like offline message storage and multiple SMS gateways, making it more resilient and effective in challenging connectivity environments.

CSU-G ConnectEd and mobile application share common goals in enhancing student monitoring and parent-teacher communication through real-time notifications and Effortless communication. Both programs enhance parental engagement by making instant information about students' attendance and academic issues available, ensuring accountability and involvement.

mobile application

The primary similarity **is** found in their effect on students' performance since research indicates that mobile apps help in achieving improved academic performance through keeping parents updated. Moreover, mobile apps and CSU-G ConnectEd help in effective data handling, eliminating errors and enhancing precision in attendance tracking.

Yet there are differences in their uses. While generic mobile education applications offer a general set of academic services, CSU-G ConnectEd is dedicated to the sole purpose of automating attendance taking by scanning QR codes.  
 Also, issues like internet connectivity and digital literacy impact both, but there is a requirement for understanding QR code technology in CSU-G ConnectEd, which may be a barrier for learners with limited technical skil**nt-Teacher Communication and Student Monitoring**

Mobile applications play a key role in promoting parent-school interaction by providing real-time notifications of students' achievement and educational activities. These applications replace traditional forms of communication with greater efficiency and ease of accessibility ls.

To improve the SMS and QR-code base attendance tracking, it facilitates the communication between students and parents. It can provide solutions of the different access using SMS gateway, where notification to their parent