

ABSTRACT

The advancement of information technology has driven higher education institutions to integrate digital systems into their administrative processes, including course registration. At Telkom University, the student registration system still faces several challenges, such as class schedule conflicts, full course quotas, and the lack of notifications regarding tuition payment status. The main issue with the current system is the inefficiency in checking schedules and the lack of transparency in information, which affects students, academic advisors, and academic administrators.

As a solution, an integrated web and mobile-based course registration information system has been developed. This system features automatic schedule conflict detection and real-time notifications for registration and payment status. A more user-friendly interface design is also a key focus to enhance usability and efficiency.

System testing results show that 94% of users are satisfied with the system's performance and ease of use, with an average response time of under 1.5 seconds per transaction. Black-box testing confirmed that all features function as expected. This system successfully improves the efficiency of the registration process and the transparency of information, providing a better digital experience for students and academic staff at Telkom University.

Keywords: Registration, Students, Information System, Schedule