

ABSTRACT

The AMTO (Aircraft Maintenance Training Organization) website was developed as a digital solution to address issues in the aviation certification training registration process, which was previously conducted manually via WhatsApp. The manual system led to delays in confirmation, risks of data loss, and inefficiencies in administrative processes. The purpose of this development is to create a centralized platform capable of facilitating registration, payment verification, document management, administrative selection, and automated, systematic notification delivery. This project was developed using the PHP programming language and a MySQL database to manage backend data processing. The development process included system requirements analysis, workflow design, implementation, and testing, targeting two main user types: applicants and administrators. Testing results showed that all features including account registration, document uploads, payment validation, administrative selection, batch and event management, and email notifications functioned according to institutional needs. Further optimization was carried out on the database structure and system flow, including email account verification and step-by-step validation for each registration process based on program type (regular and non-regular). This website development has successfully improved the efficiency, security, and accuracy of participant data management. As a result, the system enables the institution to provide a transparent, structured, and easily accessible registration service at any time.

Keywords: website, AMTO, aviation certification, software development, online registration