

Abstract

IT Telkom is a college in the field of information and communication. Staff and lecturers in IT Telkom has a variety of purposes, one of which is business travel, the journey undertaken inside / outside the country to carry out the work, following education, training, seminars, workshops, workshops, conferences, study visits, or visitation.

Paperless Application Approval serves travel request documents in electronic file form. Documents sent through LAN / Internet so that the movement of documents went so fast. Recipients will receive notification of documents through email and SMS. The hope for official travel requests be followed up immediately.

To maintain the flow of paperless, the approval process is done by affixing digital signatures. Digital signatures are generated from the document fingerprint with its timestamp encrypted using a secret key signing party. These applications take advantage of features of GnuPG, software for key management and digital signatures. To interact with GnuPG used Crypt_GPG PHP package.

This application is expected to be a solution to overcome the obstacles in the process of approval of official travel documents. Approval process that took place in a paperless expected to give opportunity to users to give approval application anywhere and anytime. This final project is implemented with a web-based PHP programming language using Code Igniter framework, MySQL database and other supporting software.

Keywords: *paperless approval, official travel, PHP, digital signature*