**Abstract**

Faced with a continuing evolution in the development of new technologies, it's almost impossible ensure that a given system is entirely safe. So it is very important to search for vulnerabilities in Web Applications. These possible security breaches should be investigated and explored in order to be corrected to reduce its effects on business of an organization.

Penetration tests are methods that aim to find and assess the gaps in the safety structure of a system. Protect information in an organization directly implies in the continuity , quality and integrity of its services.

Founded since 1909, the IFPE has considerable importance as a public institution designed to offer services relevants to society. The institution has web applications, among others, it store critical data for their business.

These applications are used by teachers, servants and students in the teaching activities thus represent a major target for attackers and malicious spies. The data from these applications can be accessed improperly and this poses a great risk for IFPE's services because can compromise all to the company's core activity. Thus, intrusion tests can promote the prevention of such threats and contribute to primary way to affirm the existence of the relevant institution in society.

Keywords: Information Security, Pentest , search for vulnerabilities , penetration testing , intrusion testing.