



# INSTITUTO POLITÉCNICO NACIONAL ESCUELA SUPERIOR DE CÓMPUTO



## Cryptography

### "Digital Signature"

#### Abstract

Confidentiality, Authenticity, Integrity and No Repudiate are 4 cryptography services that are used in the world to prevent information to be violated or deciphered. In this practice we implement a system that acts as a digital signature. A digital signature is an authentication mechanism that enables the creator of a message to attach a code that acts as a signature. Typically, the signature is formed by taking the hash of the message and encrypting the message with the creator's private key. The signature guarantees the source and integrity of the message.

By:

**Bryan Dominguez de la Rosa**

**Fernando Jair Pacheco Díaz**

Professor:

MSC. NIDIA ASUNCIÓN CORTEZ DUARTE

November 2018

