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**RESEARCH ARTICLE**

# **An Improved Authentication Framework using Steganography along with Biometrics for Network Security**

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*Abstract- To protect the distributed system from unauthorized user, many technologies were proposed. But the security technology used in today's computer and Internet environment is the three-factor approach, the three factors are IP, smart-card, biometrics (fingerprint) along with steganography. This scheme is proposed to upgrade three-factor authentication in which password is used instead of IP. Our new framework provides strong protection against different kinds of attacks at a reasonable computational cost.*

***Keywords: Smart Card; Biometrics; Steganography; Computational Cost***

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