A Survey on Smart Security Mechanism Using Graphical Passwords

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Abstract : Security to any of our personal thing is our most basic need. It is not possible to directly apply that standard Human-computer—interaction approaches. Important usability goal for authentication system is to support users in selecting best passwords. Users often select text-passwords that are easy to remember, but they are more open for attackers to guess. The human brain is good in remembering pictures rather than textual characters. So the best alternative is being designed that is Graphical passwords. However, Graphical passwords are still immature. Conventional password schemes are also vulnerable to Shoulder-surfing attacks, many shoulder-surfing resistant graphical passwords schemes have been proposed. Next, we have analyzed the security and usability of the proposed scheme, and show the resistance of the proposed scheme to shoulder-surfing and different accidental logins.