

IMPLIMENTATION OF AN EFFICIENT MECHANISM FOR SECURE AUTHENTICATION

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ABSTRACT

In this paper we implemented a graphical authentication system which overcomes all drawbacks of existing authentication system. In this system we combine the features of D'ej`a Vu, Cued Click Points, Secret Draw technique and Text Passwords. In this system we used database of 20 images. In the password creation process, we provide 4 images randomly amongst database of 20 images. On first 3 images user can select click points and add single digit/text on that images. On the fourth image user draws a Secret and should add single text/digit. After password creation, for login user should correctly identify the images, correct click points, text/digit entered on that images and correct secret on correct image. This system is hard for attackers to break because if any click point, text/digit, secret is incorrect then the message of authentication fails is given after last image. So this method provides higher security than existing methods.

KEYWORDS: Authentication, Graphical Passwords, Security