

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology

ISSN 2320-088X



IJCSMC, Vol. 3, Issue. 1, January 2014, pg.166 – 172

RESEARCH ARTICLE

Cued Click Point Technique for Graphical Password Authentication

Vaibhav Moraskar¹, Sagar Jaikalyani², Mujib Saiyyed³, Jaykumar Gurnani⁴, Kalyani Pendke⁵

^{1,2,3,4}Department of CSE, Rajiv Gandhi College of Engineering & Research, Nagpur, India

⁵Lecturer, Department of CSE, Rajiv Gandhi College of Engineering & Research, Nagpur, India

¹ vaibhavmoraskar77@gmail.com; ² sagarjaikalyani@gmail.com;

³ mujib.saiyyed@gmail.com; ⁴ a.sunny50@gmail.com, ⁵ pendke@gmail.com

Abstract— *In today's world the password security is very important. For password protection various techniques are available. Cued Click Points are a click-based graphical password scheme, a cued-recall graphical password technique. Users Click on one point per image for a sequence of images. The next image is based on the previous click-point. The passwords which are easy to memorize are chosen by the users and it becomes easy for attackers to guess it, but the passwords assigned by the strong system are difficult for users to remember. In this paper, we focus on the evaluation of graphical password authentication system using Cued Click Points, including usability and security. In this authentication system, our usability goal is to support the users in selecting better passwords, thus increases the security by expanding the effective password space. The emergence of hotspots is mainly because of poorly chosen passwords. Thus click-based graphical passwords encourage users to select more random, and hence more complex to guess, click-points.*

Keywords—*Cued Click Point (CCP); Graphical passwords; authentication; persuasive technology; usable security; empirical study*

Full Text: <http://www.ijcsmc.com/docs/papers/January2014/V3I1201431.pdf>