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A RGBR PASS POINT GRAPHICAL PASSWORD SCHEMA RESISTANT TO SHOULDER-SURFING

R. SATYA PRASAD[1] & T. SRINIVASA RAVI KIRAN[2]

[1]Associate Professor, Department of Computer Science & Engineering, Acharya Nagarjuna University,
Nagarjuna, Andhra Pradesh, India

[2]Lecturer, Department of Computer Science, P.G Centre, P.B. Siddhartha College of Arts & Science,
Vijayawada, Andhara Pradesh, India

ABSTRACT

Alphanumeric passwords are widely used in computer and network authentication to protect user's privacy. However, it is well known that long, text based passwords are hard for people to remember, while shorter ones are susceptible to attack. Graphical password is a promising solution to this problem. According to human psychology, human can easily remember pictures. Further, a colored graphical password scheme is suggested which is inexpensive compared to biometrics and addresses some of the challenges of text-based passwords.

In this paper, the proposed scheme of authentication resistant to peeping attack starts with identifying triangle formed by clicking on the cells containing colors red, green, blue & red of the interface respectively. An analysis of security and usability aspects of the proposed scheme is presented.

KEYWORDS: Graphical Password, Authentication, Peeping Attack, Security, Attack