Graphical Password Authentication System

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Abstract: *Graphical password is one of technic for authentication of computer security. Now days digital/computer security is most important things in computer science for protected user or customer data. And Shoulder-surfing is a one of the threats where a criminal can steal a password by direct observation or by recording the authentication session. There are several techniques available for this authentication, the most prevalent and simple of which is the Graphical password technique. So, we suggest a new technique to combat this problem. We have developed two concepts to combat shoulder surfing attacks. First, the user must register if the registration does not exist. Second, you must log in with a valid user ID and password. The password is a grouping of characters and numbers. Third, user has to cross image-based authentication where user can choose their password and this method have higher chances to offset each other. You should choose password according to the registration password, it must to match at login time. In colour base authentication, there should be several colour base passwords and depending on the colour, you need to remember the password sequence. And it's like three-factor authentication. So, here is proposed a new graphical password authentication technique that is resilient to shoulder surfing and also to other types of probable attacks.*

Keywords: Computer Authentication, Graphical Password, Computer security

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