Abstract

Today Information Technology has become a part of our everyday life. Information Technology means use of computers and internet to store, retrieve, transmit and manipulate the information. So all the organizations, industries and also every individual are using computers to store and share/communicate the information. So here security is very much important while storing and communicating the information. Security means protecting computers, networks, programs and information from unintended or unauthorized access, change or destruction. For this security various techniques are available. Among them the most common and easy to use is a password. It can be considered as a principal part of authentication process. The traditional
The Recognition and Recall Approach based Graphical Password Technique

password technique is a textual password. But there are various deficiencies in this password. It is vulnerable to various attacks. So to overcome these limitations alternative technique is introduced which is graphical password. As name indicates, in this, various images/pictures are used as a password. But it is observed that because of graphic nature nearly all the graphical passwords are vulnerable to shoulder surfing attack. To overcome this here a new graphical password authentication technique is developed which is a combination of recognition and recall approach based techniques. It is also resistant to other types of attacks to some extent. It can be useful for smart phones, PDA, iPod, iPhone etc.

References


Index Terms

Computer Science
Security
Keywords
Authentication  Graphical Password  Shoulder Surfing  Textual Password