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### **RESEARCH ARTICLE**

# **SECURED PASSWORD MANAGEMENT TECHNIQUE USING ONE-TIME PASSWORD PROTOCOL IN SMARTPHONE**

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*Abstract— Graphical passwords and text passwords are most widely used primary user authentication for all websites due to its convenience and simplicity. These kinds of passwords are static in nature and hence it is easy for the attackers to hack using malicious programs and threats. The security drawbacks of the existing methods are phishing, keyloggers, malware, sniffing, spoofing, surfing and guessing. These problems can be overcome by using OTP protocol which is dynamic and also it greatly avoids man-in-the-middle attack, password reuse and password stealing attacks. The proposed method requires a long-term password for login and must be remembered. Finally, OTP is generated using MD5 algorithm. The authentication system is suggested for Android smart phones.*

*Keywords— One-Time Password (OTP), password stealing, password reuse, authentication*

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Full Text: <http://www.ijcsmc.com/docs/papers/March2014/V3I3201499a45.pdf>