DECLARATION

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I affirm that the project work titled **"ADVANCED GRAPHICAL AUTHENTICATION SYSTEM FOR ENHANCED SECURITY"** being submitted in partial fulfillment for the award of MASTER OF COMPUTER APPLICATIONS is the original work carried out by me. It has not formed the part of any other project work submitted for award of any degree or diploma, either in this or any other University.

Signature of the Candidate
ANISHA P
722413621302

I certify that the declaration made above by the candidate is true.

Signature of the Guide

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Assistant professor

Department of Computer Applications

ACKNOWLEDGEMENT

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ABSTRACT

Many security primitives are based on hard mathematical problems. Using hard AI problems for security is emerging as an exciting new paradigm, but has been underexplored. In this paper, we present a new security primitive based on hard AI problems, namely, a novel family of graphical password systems built on top of Captcha technology, which we call ADVANCED GRAPHICAL AUTHENTICATION SYSTEM FOR ENHANCED SECURITYs. It is both a Captcha and a graphical password scheme. This system addresses a number of security problems altogether, such as online guessing attacks, relay attacks, and, if combined with dual-view technologies, shoulder-surfing attacks. A 3D graphical password can be detected alternatively by automatic online estimating attacks still if the password is in the research set.It also offers a novel approach to address the well-known image hotspot problem in popular graphical password systems, such as Pass Points, that often leads to weak password choices.

This system is not a panacea, but it offers reasonable security and usability and appears to fit well with some practical applications for improving online security.

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