

# 3D PLS-An high secure polygon lock techonolgy

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**Abstract**— Since as you all know every time you login into your cell phone you use the pattern lock application to unlock your cell phone which is most common. Likewise this technology, which provides 3d unique shapes for the user, provides the user highest security for many applications and categories.

**Keywords**—3d pattern lock, security lock, security pattern, high security.

## I. INTRODUCTION

The 3D Pattern Lock System is the type of technology which provides the highest security for the user to secure his or her files, valuable belongings, etc. This technology is completely unique to the booming market. Using this technology one can save his belongings with very safer manner without leaking it to the others. This technology is not so user friendly to login into the user’s personal safe treasure, laptop, tablet, cell phone or any other gadgets. The user has to remember his security pattern code clearly. This technology can provide the wide variety of security options for the user.

## II. OVERVIEW OF PAPER

The intension of the 3d pattern locking technology is to bring the greater security with the use of the polygon shapes, and the users will feel extremely new to the login system, when they got bored to the older version of pattern locking. Some of the currently used pattern lock systems are shown below



Figure 1: Pattern drawing for present pattern lock security system

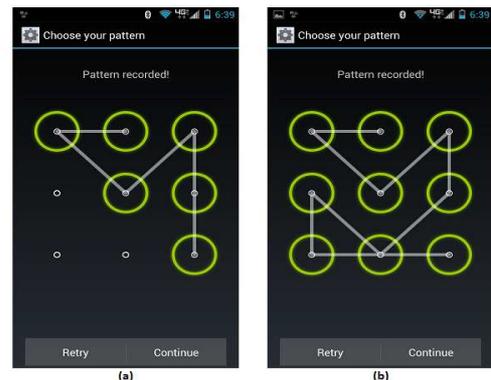


Figure 2: Different types of pattern over the same present pattern locking system.

The polygonal shape will be displayed onto the screen instead of normal pattern to lock or unlock the system. The polygon shape will be rotating 360°, the user has to choose the patter for the desired polygon shape, to keep it as the security lock pattern.

## III. DIFFERENT CATEGORIES OF 3D PLS

In the 3d PLS technology, security levels categorization is as follows

- Basic 3D PLS
- Medium 3D PLS
- High 3D PLS
- Ultra High 3D PLS

Block diagrams of different polygon shapes.

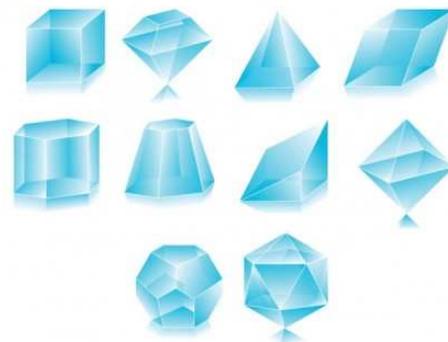


Figure 1: Block diagram of polygon shapes for 3D LPS.

