

# Cryptographic Game

## Gamifying cryptography with standalone platform

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### Project Objectives:

- The objective of this project is to pique peoples' interest in cryptography using a standalone device.

### Guide and Game on Hardware (ZedBoard):

Provides simple guides and game on cryptography. The guides provides simple explanations with working or visual examples. The game tests the users' knowledge on topics in the guide.

 <pre>Main Menu welcome to Hardware Cryptography Game! Basic Guide to Crypto Game  up down:select  centre:confirm  left:back</pre>	<p>List of Guides:</p> <ul style="list-style-type: none"><li>• Symmetric Key<ul style="list-style-type: none"><li>• Caesar's Cipher</li><li>• Vigenère Cipher</li><li>• Beaufort Cipher</li></ul></li><li>• Asymmetric Key<ul style="list-style-type: none"><li>• RSA</li></ul></li><li>• Cryptographic Hash</li></ul> <p>Game: Quiz of Cryptography</p>
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### Game on Software (Windows):

Overcome current limitation of ZedBoard. This game tests knowledge of ciphers. By mimicking a simple brute force hacking scenario.

<p>List of Question Types:</p> <ul style="list-style-type: none"><li>• Enciphering (Key and Cipher Provided)</li><li>• Deciphering (Only Key Provided)</li><li>• Key Finding (Plain-Text and Cipher Text Provided)</li><li>• Deciphering (Word Category Provided)</li></ul>	 <p>Welcome to DecipherThis</p> <p>Play About</p> <p>Tables</p>
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