

# Faculty of engineering - Shoubra Benha University Research Project

in fulfillment of the requirements of

Department	epartment Engineering Mathematics and Physics	
Division		
Academic Year	2019-2020 Preparatory	
Course name	ne Computer	
Course code	ECE001	

# Title: -

# Cryptography By:

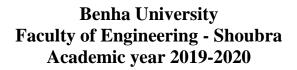
	Name	Edu mail	B.N
1	عمرو محمد حسن محمد قنديل	amr195646@feng.bu.edu.eg	583

## Link to GitHub website: Link to GitHub page:

# **Approved by:**

Examiners committee	Signature
Dr. Ahmed Bayoumi	
Dr. Shady Elmashad	
Dr. Abdelhamid Attaby	







# **Application brief**

Cryptography is Information Security science. The word derives from the Greek kryptos, which means hidden. Cryptography includes techniques such as microdots, merging words with images, and other ways of concealing storage or transit information. Modern cryptography intersects the disciplines of mathematics, electrical engineering and computer science. Cryptographic applications include ATM cards, computer passwords, and electronic commerce. Before the modern age cryptology was almost synonymous with encryption, the conversion of information from a readable state to apparent absurdity. The sender retained the ability to decrypt the information and thus to avoid being able to read it by unwanted persons. The methods used to perform cryptology have become increasingly complex and their application more widespread since the WWI and the advent of the computer. Modern cryptography follows a strongly scientific approach, and designs cryptographic algorithms around assumptions of computational hardness, making such algorithms difficult for an adversary to break through. In theory, such systems are not unbreakable but it is impossible to do so by any practical means. So these schemes are computationally secure. Secure schemes exist that can not be proven to be broken — an example is the one-time pad — but these schemes are harder to implement than the theoretically breakable but computationally secure mechanisms. Tags: cryptography subject, cryptography ppt, cryptography pdf, cryptography seminar, latest



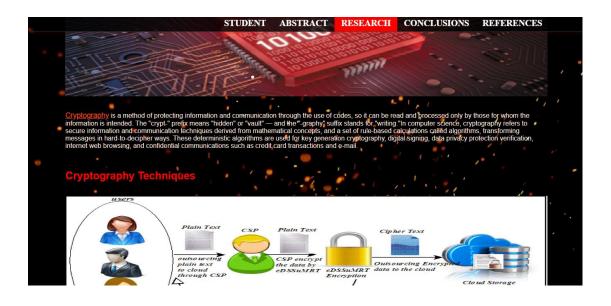
## Benha University Faculty of Engineering - Shoubra Academic year 2019-2020



seminar topic cryptography, full seminar report on cryptography, source code cryptography

## **Screen shots**

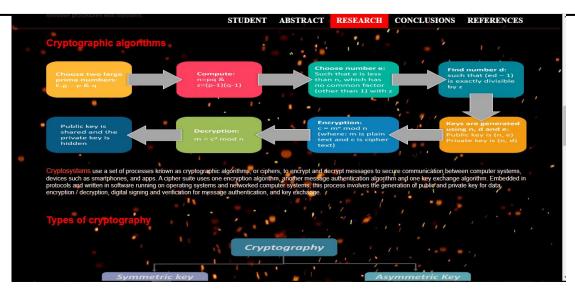


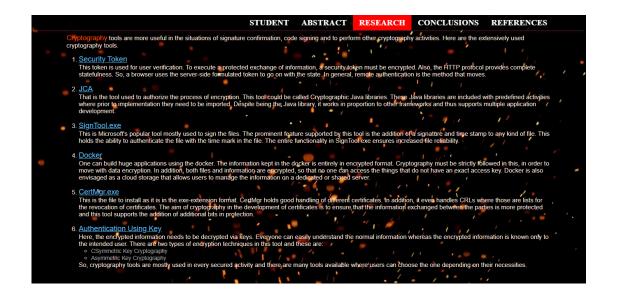














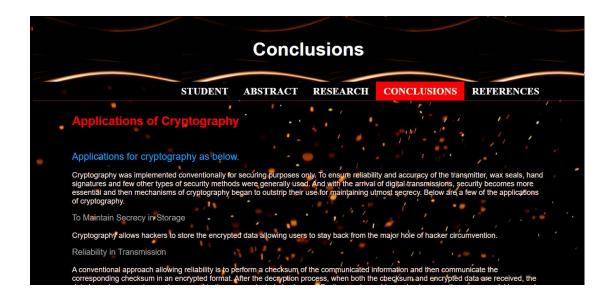




#### **Abstract**



#### **Conclusions**

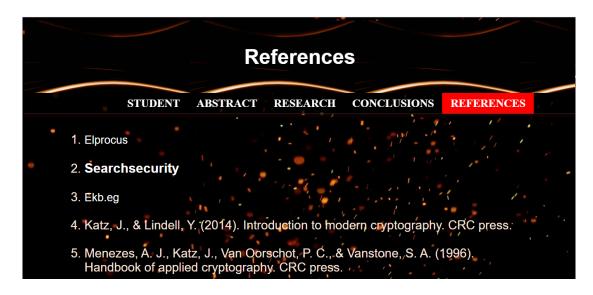




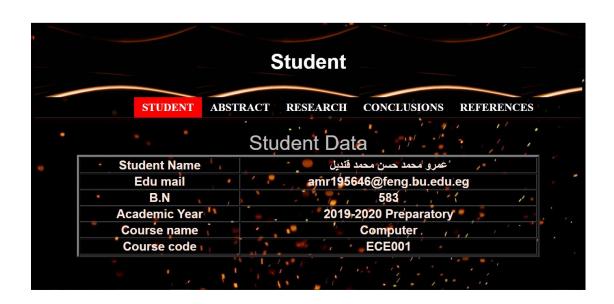
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#### References



#### **Student**





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## Source code

# **Style**

```
<!DOCTYPE HTML>
<html>
    <head>
     <title>Research</title>
      <meta charset="utf-8"</pre>
    <style>
body {
       background-image: url(
       https://img.uxfree.com/wp-content/uploads/2018/02/waves-or-yellow-and-orange-embers-floating-on-dark-back
       ground-in-4k.jpg);
       background-repeat: no-repeat;
       background-attachment: fixed;
       background-size: 100% 100%;
.header {
        padding: 25px;
        text-align: center;
        background-image: url(https://sfwallpaper.com/images/black-and-orange-backgrounds-6.jpg);
        color: white:
        font-size:25px;
        font-family: Arial, Helvetica, sans-serif, "Times New Roman", Times, serif;
a{
        color: white;
        font-size:27px;
        text-decoration: none
```

```
a{
             color: white;
             font-size:27px;
             text-decoration: none
    a:hover{
             color: white;
             font-weight: bold;
             font-size:32px
     a:active{
              color:white;
             color: #4D5656
             font-weight: normal
     .header2{
             font-family: Arial, Helvetica, sans-serif, "Times New Roman", Times, serif;
            color: #f00;
margin: 10px 100px;
        padding: 5px;;
44
     color: #FCE6DE;
       font-family: Arial, Helvetica, sans-serif, "Times New Roman", Times, serif;
50
       margin: 10px 100px ;
       padding: 5px;
```







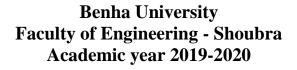
```
nav{
       width: 100%;
       height: 50px;
       background: rgba(0,0,0,.8);
       border-top: 1px solid rgba(255,255,255,.2);
60
       border-bottom: 1px solid rgba(255,255,255,.2);
       position:sticky;
       top:0;
       left:0;
       border-top:0;
       box-shadow: -1px 6px 1px rgba(198, 0, 0, 0.1);
    nav ul{
70
     display: flex;
     margin: 0;
     padding: 0 100px;
     float:right;
74
    nav ul li{
     list-style: none;
    nav ul li a{
     display: block;
     color: #fff;
     padding: 0 20px;
     text-decoration: none;
     text-transform: uppercase;
     font-weight: bold;
     line-height: 50px;
```

```
text-decoration: none;
text-transform: uppercase;
font-weight: bold;
line-height: 50px;
}
nav ul li a:hover,
nav ul li a.active{

background: #f00;
}
img{text-align: center;
margin: 10px 100px;
padding: 5px;}

</style>
```







### links, headers, images & paragraphs

```
<body>
<div class="header">
 <h1>Cryptography</h1>
  </div>
<u1>
   <a href="Student.html">Student</a>
   cli><a href="Abstract.html">Abstract</a>
<a style=""class="active"" href="index.html">Research</a>

   <a href="Conclusions.html">Conclusions</a>
   <a href="References.html">References</a>
</nav>
    <div class="header2">
     <h1>Introduction</h1>
    <div class="img"> <img src="2.png" width="100%" height="400">
   ddiv class="paragraph">
<span style="color: #FF4F0A;font-size: 1.1em;text-decoration: underline">Cryptography</span> is a method of protecting
   information and communication through the use of codes, so it can be read and processed only by those for whom the information is intended. The "crypt-" prefix means "hidden" or "vault" — and the "-graphy" suffix stands for "writing."In computer science, cryptography refers to secure information and communication techniques derived from mathematical
   concepts, and a set of rule-based calculations called algorithms, transforming messages in hard-to-decipher ways. These
   deterministic algorithms are used for key generation cryptography, digital signing, data privacy protection verification,
   internet web browsing, and confidential communications such as credit card transactions and e-mail.
   <div class="header2">
      <h1>Cryptography Techniques</h1>
     </div>
```







#### Lists

```
//div
/
```







#### **Tables**

```
<div class="paragraph">
       124
       <caption>Student Data</caption>
    Student Name
      صرو محمد صن محمد قنيل
     >
      Edu mail
      amr195646@feng.bu.edu.eg
134
     B.N
      583
     Academic Year
      2019-2020 Preparatory 
     Course name
144
      Computer
     Course code
      ECE001
150
     151 -
37 = tbody td {text-align: center;
98 font-weight: bold;
99
  font-size: 30px;
  color: #FCE6DE
90
31
  table caption{font-size: 2.5em;
93
  color: #C1C1C1}
34
```