

# Academic Curriculum Vitae (Dr. Rana. M. Zaki)

## 1. Personal Information:

**Name:** Rana Mohammed Hassan Zaki

**Languages:** Arabic / English

**Place of Residence:** Baghdad/ Iraq

**Date of Birth:** 1981

**Religion:** Muslim

**Marital status:** Married, 3 children's

**Specialization:** Computer sciences/ Multimedia

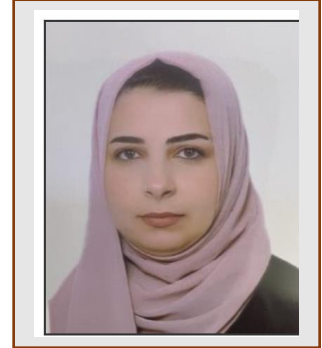
**Research Specialization:** Image processing, video processing, Cyber security, Cryptography, Network Security .

**Current Research Interests:** Computer Security, Network Security, Cybersecurity and Image processing, Artificial Intelligence.

**Affiliation:** University of Technology/ Computer Science Department.

**Mobile:** +9647702527434

**E-mail:** [Rana.M.Zaki@uotechnology.edu.iq](mailto:Rana.M.Zaki@uotechnology.edu.iq)



## 2. Academic Qualifications:

Degree science	University	Department	Date
B.Sc.	Technology	Computer Science	2003
M.Sc.	Technology	Computer Science	2016
PhD.	Technology	Computer Science	2023

### 3. Present Appointment:

Lecturer since 2/3/2022

### 4. Programming Languages

- Visual Basic
- C++
- Python

### 5. The last 10 published Papers

- 1- Stock price prediction using technical, fundamental and news based approach
- 2- 4G Network Security Algorithms: Overview.
- 3- A novel of substitution-box design using PLL algorithms in magic cube
- 4- SNOW3G Modified by using PLL Algorithms in Magic Cube
- 5- A Novel SNOW3G-M Algorithm and Medical.
- 6- Detection and localization of wrist fractures in x-ray imagery using deep learning teaching
- 7- Advanced Hybrid Techniques for Cyberattack Detection and Defense in IoT Networks
- 8- Secure data sharing based on linear congruential method in cloud computing
- 9- Detection of Real-Time Distributed Denial-of-Service (DDoS) Attacks on Internet of Things (IoT) Networks Using Machine Learning Algorithms
- 10- Arguments extraction for e-health services based on text mining tools
- 11- Using Rubik's cube in fragile audio watermark encryption
- 12- Image Seam Carving Based on Content Aware Resizing by Gradient Method
- 13- Video Inpainting Using Seam Carving Method
- 14- Recovering old document image by using hybrid Binarization Technique
- 15- Arguments extraction for e-health services based on text mining tools

### 6. Short Biography

**Rana.M.Zaki** is Doctor in the Department of Computer Sciences, University of Technology-Baghdad-Iraq. She completed his Bachelor of computer Science and Master of degrees in Multimedia, from Department of computer Sciences-University of Technology, Baghdad, Iraq, in 2003, and 2016, respectively. She received his Ph.D. degree in information security and Cyber Security from University of Technology, Baghdad, Iraq 2022. Since May 2007 up to now, Rana works at Computer Science Department at University of Technology Her research interests include: Cybersecurity, Cryptography, image processing, Network Security , multimedia computing.

## 7. Important Sites:

### Google Scholar:

[https://scholar.google.com/citations?hl=en&view\\_op=list\\_works&gmla=AILGF5VW9OTwPq4CcRYk-BirxbGmI5XKXYfkaYiXx1kss1VIOOANYVXGxhvmueTnNjukt1WVMimmfTXc-nitqWPOAO3SrGMKgbii7HoSj0c&user=zu0411cAAAAJ](https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AILGF5VW9OTwPq4CcRYk-BirxbGmI5XKXYfkaYiXx1kss1VIOOANYVXGxhvmueTnNjukt1WVMimmfTXc-nitqWPOAO3SrGMKgbii7HoSj0c&user=zu0411cAAAAJ)

### Research Gate:

<https://www.researchgate.net/profile/Rana-Mohammed-2>

### Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=57211385537>

### Publon:

<https://www.webofscience.com/wos/author/record/JOK-3569-2023>

### Orcid:

<https://orcid.org/0000-0003-3236-9809>

### Linkedin:

<https://www.linkedin.com/in/dr-rana-m-zaki-14585117b/>

## 8. Activities

- Rapporteur for the Information Systems Branch/ Department of Computer Science / University of Technology 2016- 2019
- Rapporteur for the Multimedia Branch/ Department of Computer Science / University of Technology 2016- 2019
- The head of the Multimedia branch / Department of Computer Science / University of Technology until 2023/9/29
- The head of the Computer Security and cyber-Security branch / Department of Computer Science / University of Technology since 2023/9/30 till now

## 9. Date Curriculum Vitae Prepared:

2024-10-10