

Academic Curriculum Vitae (Rana Fareed Ghani)

1. Personal Information:

Name: Rana Fareed Ghani

Languages: Arabic / English

Place of Residence: Baghdad/ Iraq

Date of Birth: 1974

Religion: Muslim

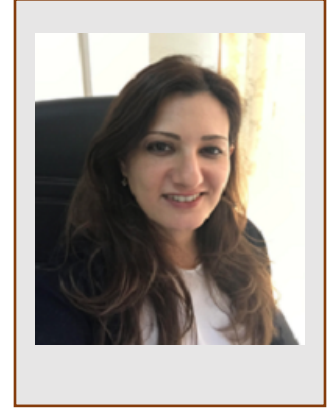
Specialization: Computer sciences/ Computer Network

Research Specialization: Computer Networks

Current Research Interests: Computer Networks and AI, Blockchain, Quantum Computing, streaming, Software Defined Network 5G and Beyond networks.

Affiliation: University of Technology/ Computer Science Department.

E-mail: rana.f.ghani@uotechnology.edu



Academic Qualifications:

Degree science	University	Department	Date
B.Sc.	Technology	Computer Science	1997
M.Sc.	Technology	Computer Science	2001
PhD.	Technology	Computer Science	2006

2. Present Appointment:

Professor since 20/11/2022.

3. The last 10 published Papers

1. Kamal, Z., Ghani, R., Farhan, A. Blockchain-based E-Government system using WebSocket protocol. *Engineering and Technology Journal*, 2024; 42(4): 421-429. doi: 10.30684/etj.2024.146559.1689
2. Ghani, Rana Fareed, and Laith Al-Jobouri. 2023. "Packet Loss Optimization in Router Forwarding Tasks Based on the Particle Swarm Algorithm" *Electronics* 12, no. 2: 462. <https://doi.org/10.3390/electronics12020462>
3. Ahmed, R., Mohsin, R. M. M., Ghani, R. Cardiovascular Patients Monitoring Using Internet of Things And Decision Tree. *IRAQI JOURNAL OF COMPUTERS, COMMUNICATIONS, CONTROL AND SYSTEMS ENGINEERING*, 2022; 22(4): 152-159. doi: <https://doi.org/10.33103/uot.ijecce.22.4.12>
4. Proposed Framework for Official Document Sharing and Verification in E-government Environment Based on Blockchain Technology. *Baghdad Sci.J [Internet]*. 2022 Dec. 5 [cited 2024 Nov. 16];19(6(Suppl.):1592. Available from: <https://bsj.uobaghdad.edu.iq/index.php/BSJ/article/view/7513>
5. Ghani, R.F., Salman, A.A., Khudhair, A.B., Aljobouri, L.: Blockchain-based student certificate management and system sharing using hyperledger fabric platform. *Period. Eng. Nat. Sci.* **10**(2), 207–218 (2022)
6. Alhassany, Roaa E. and Rana Fareed Ghani. "Audio-Visual Quality of Experience Prediction Based on ELM Model." *International Journal of Intelligent Engineering and Systems* (2022): n. pag.
7. "Blockchain for Authorized Access of Health Insurance IoT System." *Iraqi Journal of Computer, Communication, Control and System Engineering* (2021): n. pag.
8. Najeeb, Huda Dheyauldeen and Rana Fareed Ghani. "Proposed method for scale drawing calculating depending on the line detector and length detector." (2021).
9. Abd-AL Sahib, F.I., Hazeem B. Taher and Rana Fareed Ghani. "Detection of the autonomous car robot using Yolo." *Journal of Physics: Conference Series* 1879 (2021): n. pag.
10. Abood, Zainab Abdel Razzaq, Hazeem B. Taher and Rana Fareed Ghani. "Detection of Road Traffic Congestion Using V2V Communication Based on IoT." *Iraqi journal of science* (2021): 335-345.

Overall, the outcome of all published research is as follows:

- More than 60 papers (local and global journal)
- More than 35 papers in Scopus index
- More than 15 papers in WoS

4. Short Biography

Rana F. Ghani is a Professor in the Department of Computer Sciences, University of Technology-Baghdad-Iraq. She **earned** her Bachelor of Computer Science and Master of Science degrees in Computer Science, from the Department of Computer Sciences-University of Technology, Baghdad, Iraq, in 1997, and 2001, respectively. She earned her Ph.D. degree in Computer Networks from the University of Technology, Baghdad, Iraq in 2006. In 2001 She joined the Department of Computer Sciences, University of Technology, as an academic and a researcher. Over her career, Dr. Rana has held numerous leadership roles within the university. These include serving as the Director of the Information Technology Center from 2015 to 2018, Deputy Dean for Scientific Affairs and Postgraduate Studies, and Head of the Information Systems Branch from 2006 to 2011. She has also contributed as a reviewer for scientific journals and participated in evaluating research for international conferences. Dr. Rana has a rich research portfolio that spans areas like quantum algorithms, image processing, Blockchain and computer network. Her notable works include advancements in routing algorithms, 3D image and video processing and streaming. Additionally, she has supervised numerous M.Sc. and Ph.D. theses and guided over 30 undergraduate projects. Her research contributions have been published in respected journals and conferences globally.

5. Supervision

- 20 MSc Thesis
- 12 PhD dissertations in Computer Science

6. Discussion thesis of high graduate studies:

- Doctorate Thesis No. (30)
- Master's Thesis No. (30)

7. Resident scientific:

- Doctorate Thesis and Master's Thesis No. (30).
- Contributed as a reviewer for scientific journals and participated in evaluating research for many international conferences.

8. Important Sites:

Google

Scholar: https://scholar.google.com/citations?hl=en&user=juRZUw8AAAAJ&view_op=list_works

Research Gate: <https://www.researchgate.net/profile/Rana-Ghani>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56439287200>

Publon: <https://www.webofscience.com/wos/author/record/G-5103-2019>

Orcid: <https://orcid.org/0000-0002-9956-7466>

Edas profile: <https://edas.info/showPerson.php?p=1250013>

EDAS ID: 1250013

9. Activities

- The head of the information system branch / Department of Computer Science / University of Technology 2006- 2011
- Deputy dean for Scientific affairs/ Department of Computer Science / University of Technology from 2011 to 2012
- Directorate of Information Technology Center / University of Technology from 2015 to 2018
- Editor at Engineering and Technology Journal / University of Technology since 2021 till now

10. Date Curriculum Vitae Prepared:

16-11-2024

