



CURRICULUM VIATE (CV) FOR
Dr. Mohammed K. Hassan



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| 1. Name: | Dr. Mohammed Khodhayer Hassan |
| 2. Place and date of birth: | Baghdad - Iraq 01/07/54 |
| 3. Nationality: | Iraqi. |
| 4. E-mail: | mohammed.khudhaer.elc@ruc.edu.iq |
| 5. Mobile number: | +964 7732656022 |
| 6. Academic Status: | Lecturer |
| 7. Scientific Title: | Assistant Professor. |
| 8. Name of Firm: | Al-Rafidain University College
Hay AL-Mustansiriya, Mahala 506;
BOX : 46036 ; Baghdad; Iraq |
| 9. Address of Firm: | E-mail: admin@alrafidein.net |

Education :

- **B.Sc. Eng. 1976**, Electrical Engineering Department, University of Technology, Baghdad, Iraq.
- **M.Sc. Computer Science, 1984**, MacMaster University, Ontario, Canada.
- **Ph.D. Computer Science, 2007**, Informatics Institute for Postgraduate Study, Iraqi Commission for Computer and Informatics, Ministry of Higher Education and Scientific Research, Baghdad, Iraq.

Membership of Professional Association:

- **Iraqi Engineering Union/ Consultant Engineer.**

Other Training:

- Training Courses on IRIS computer system, (Hardware + software) in CGA company, France.
- Training course on Microprocessor & Microcomputer at Integrated Computer Systems Company, INC, London, England,
- Cisco CCNA Course
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Languages:

- Arabic.
- English.
- French.

Employment Record:

- **1985-2003**, Ministry of industry (Al-EYZ Electronic Industrial Organization, Baghdad, Iraq), *I held different positions, (Head of Computer Center Dept., Head of planning Dept., and Head of Research Center Dept.).*
- **Since 2006**, I have been working at A-Rafidain University College, as one of staff member (Lecturer) at the Computer Science department.

Published Research:

- 1 security issues for banking systems
- 2 resource blocks for real-time and data elastic traffic in IMS/LTE networks are developed and studied.
- 3 analysis of low power wireless technologies used in the internet of things (IOT)
- 4 performing a strategic spectrum sensing analysis for the cognitive radio networks
- 5 design and development of free- space optical transmission systems and applications
- 6 cognitive radio technologies and applications in dynamic spectrum access method
- 7 implementing 3gpp code division for non-orthogonal multiple access in 5g
- 8 Bayesian approaches are created and implemented in 5G/6G for cellular communication using multiple time series models
- 9 security measures of protection for banking systems
- 10 performing a strategic spectrum sensing analysis for the cognitive radio networks
- 11 design and development of free- space optical transmission systems and applications
- 12 cognitive radio technologies and applications in dynamic spectrum access method
- 13 analysis for modulation and coding scheme with data rate traffic over ieee 802.11ac and 802.11n in wireless multimedia,
- 14 results of development of sub-channels scalable scheduling model in wimax network
- 15 bandwidth management model in lte downlink with resource allocation type 1
- 16 formalizing of web-services specifications using temporal logics,
- 17 assessment of productivity of management systems of the multiservice networks.”

Detailed Tasks Assigned:

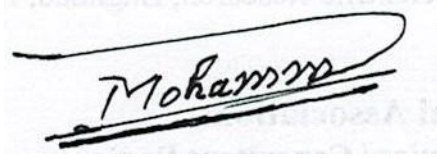
- Many courses of subjects are covered during the two terms of the study years, which are Microprocessors and Microcomputer, Computer Architecture, Computer Design, Information security, Data base , Programming languages, Data structure, Operating System, OBJ, Electricity, software project management, and principle of communication, etc.

Supervised thesis

- Currently I supervise two thesis's graduate student to get their master degree at Informatics Institute for Postgraduate Study in Baghdad.
- Usually every academic year, I supervise 3-4 projects for the last year under graduate students related subject in computer science and engineering field.

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience.

A handwritten signature in black ink, reading "Mohammed", is written over a horizontal line. The signature is stylized with a large, sweeping initial 'M' and a trailing flourish.

Ass. Prof. Dr. Mohammed K. Hassan

Date: October 14 - 2024