

Curriculum Vitae (CV)

Full Name: Rania Ragab Hussein



Personal Information:

Academic Rank: Assistant Professor

Department: Computer Science

Specialization: Operations Research & Decision Support Systems

Position: Assistant Professor

Google Scholar: <https://scholar.google.com/citations?user=6XlaVVQAAAAJ&hl=en>

Research Gate: <https://www.researchgate.net/profile/Rania-Ragab>

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Scopus ID:

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Operations Research & Decision Support Systems Department	Cairo University	2016
M.Sc.	Operations Research & Decision Support Systems Department	Cairo University	2008
B.Sc.	Operations Research & Decision Support Systems Department	Cairo University	2003

Academic Experience:

Institution: Higher Technological Institute (HTI)

Rank: Assistant Professor

Dates: 2016

Institution: Higher Technological Institute (HTI)

Rank: Research Assistant (PhD student)

Dates: 2008-2016

Institution: Higher Technological Institute (HTI)

Rank: Teaching Assistant

Dates: 2003-2008

Research interests:

- Operation Research
- Decision Support Systems
- Machine Learning
- Artificial Intelligence

Publications:

- A Simulation Approach for determining Buffers' Sizes in Critical Chain Project Networks, The 37th International Conference on Computers and Industrial Engineering, October 2007
- Multi-Objective optimization of Time-Cost Trade-Off Analysis in Critical Chain Project Management Network Using Pareto Simulated Annealing, The 6th International Conference on Informatics and Systems, March 2008
- Joint supplier selection and product family optimization in supply chain design: literature review, The International Journal of Computer Science Issues, Volume 12, Issue 2, March 2015
- A Simulated Annealing Algorithm for the Joint Optimization of Product Family Design and Supplier Selection in SCM, The international Journal of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 2, February 2015
- Sarah A. Soliman, Rania R. Hussein, El-Sayed A. El-Dahshan, and Abdel-Badeeh M. Salem, "Intelligent Algorithms for the Diagnosis of Alzheimer's Disease," chapter in book: Innovative Smart Healthcare and Bio-Medical Systems: AI, Intelligent Computing and Connected Technologies, 1st Edition, Kindle Edition, Taylor & Francis, DOI: 10.1201/9781003044291-3, 28 December 2020.
- Israa Mohamed, Rania R. Hussein, "A Simulation Optimization Approach for Managing Bed Capacity in an Intensive Care Unit," In Information & Knowledge Management, Vol. 20, No. 01, March 2021.

Certifications or Professional Registrations:

Honors and Awards:

- **May 2017 – June 2020** Director of the Quality Assurance and Accreditation Center of the Higher Technological Institute in the Tenth of Ramadan Institute.

Teaching Experience:

- 09/16 –present: ASSISTANT PROFESSOR
 - Higher Technological Institute, Computer Sciences Department, 10th of Ramadan City, Egypt.
- 01/08 - 09/16 GRADUATE TEACHING / RESEARCH ASSISTANT
 - Higher Technological Institute, Computer Sciences Department, 10th of Ramadan City, Egypt.
- 09/03 - 01/08 TEACHING ASSISTANT / INSTRUCTOR
 - Higher Technological Institute, Computer Sciences Department, 10th of Ramadan City, Egypt.

Courses taught

- Operation Research
- Decision Support Systems
- Data Structure
- Introduction to Computers
- Introduction to Information Systems
- Systems Analysis
- Artificial Intelligence
- Expert Systems
- Logic Programming
- Structure Programming
- Object Oriented Programming