



## CURRICULUM VITAE

### Prof. Dr. Moheb Ramzy Girgis

#### Mailing Address:

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Faculty of Science, Minia University  
El-Minia, Egypt

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#### Personal:

Date of Birth: ١/١١/١٩٥٣  
Marital Status: Married  
Nationality: Egyptian  
Phone No.: ٠٨٦-٢٣٤٢٠٦٥ (Home)  
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#### Education

Degree	University	Date
Ph.D. ( <i>Computer Science</i> )	University of Liverpool, UK	١٩٨٦
M.Sc. ( <i>Mathematics</i> )	Assiut University, Egypt	١٩٨١
B.Sc. ( <i>Mathematics</i> )	Mansoura University, Egypt	١٩٧٤

**Field of Specialization:** Software Engineering.

#### Previous Position:

- Head of Department of Computer Science, Faculty of Science, Minia University (From Jan. ٢٠٠٤ To Aug. ٢٠٠٥ and From Sept. ٢٠٠٩ To July ٢٠١٥).

#### Current Position:

- Professor of Computer Science, Department of Computer Science, Faculty of Science, Minia University.
- Director of Minia University Information Network.
- Manager of Enhancement of Minia University Information Network Infrastructure Project.

#### Professional Experience

Title/Rank	Institution	Dates
		From To
Professor	Computer Science Department, Minia University, Egypt	٢٠٠٧ Now
Associate Professor	Computer Science Department, Minia University, Egypt	١٩٩٩ ٢٠٠٧
Associate Professor	Mathematics Department, Minia University, Egypt	١٩٩٧ ١٩٩٩
Assistant Professor	Mathematics Department, Minia University, Egypt	١٩٩٦ ١٩٩٧
Assistant Professor	Computer Science Department, University of Bahrain	١٩٩٠ ١٩٩٦
Assistant Professor	Mathematics Department, Minia University, Egypt	١٩٨٦ ١٩٩٠
Ph.D. Student and	Department of Computer Science,	١٩٨٢ ١٩٨٦

Teaching Assistant	University of Liverpool, UK		
Assistant Lecturer	Mathematics Department, Minia University, Egypt	١٩٨١	١٩٨٢
Demonstrator	Mathematics Department, Minia University, Egypt	١٩٧٦	١٩٨١

### Membership in Professional and Scientific Societies

Member of the IEEE Computer Society, USA (since ١٩٨٥).

Member of the Egyptian Computer Society (since ٢٠٠١).

### Courses Taught

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| ١. Software Engineering             | ١٠. Assembly Language Programming |
| ٢. Object-Oriented Programming      | ١١. Database Management Systems   |
| ٣. Data Structures and Algorithms   | ١٢. Formal Languages and Automata |
| ٤. Operating Systems                | ١٣. Computer Networks             |
| ٥. Fundamentals of Computer Science | ١٤. Computer Organization         |
| ٦. Programming Languages            | ١٥. Graph Theory                  |
| ٧. Theory of Translators            | ١٦. Artificial Intelligence       |
| ٨. Systems Analysis and Design      | ١٧. Modeling and Simulation       |
| ٩. Logic Programming                | ١٨. Web Software Development      |

### Publications

#### *Papers Published in Journals:*

- Ahmed S. Ghiduk, **Moheb R. Girgis**, Marwa H. Shehata, "Reducing the Cost of Higher-Order Mutation Testing", Arabian Journal for Science and Engineering, DOI ١٠.١٠٠٧/س١٣٣٦٩-٠١٨-٣١٠٨-٣
- Moheb R. Girgis and Mohammed M. Talaat, "Fractal Image Compression of Grayscale and RGB Images Using DCT with Quadtree Decomposition and Huffman Coding", International Journal "Information Theories and Applications", Vol. ٢٤, Number ٤, ٢٠١٧, pp. ٣٢٢-٣٤٤.
- Ahmed S. Ghiduk, **Moheb R. Girgis**, Marwa H. Shehata, "Higher order mutation testing: A Systematic Literature Review", Computer Science Review, Vol. ٢٥, ٢٠١٧, pp. ٢٩-٤٨.
- Moheb R. Girgis**, Alaa I. El-Nashar, Tarek A. Abd El-Rahman, and Marwa A. Mohammed, "An ASP.NET Web Applications Data Flow Testing Approach", International Journal of Computer Applications (٠٩٧٥ - ٨٨٨٧), Vol. ١٥٣, No. ٨, November ٢٠١٦, pp. ٦-١٨.
- Moheb R. Girgis**, Tarek M. Mahmoud, Ghada W. Hanna, "Tree Growth Based ACO Algorithm for Solving the Bandwidth-Delay-Constrained Least-Cost Multicast Routing Problem", International Journal of Computer and Information Technology (ISSN: ٢٢٧٩ - ٠٧٦٤), Vol. ٥, No. ٦, November ٢٠١٦, pp. ٥١٦-٥٢٣.
- Moheb R. Girgis**, Tarek M. Mahmoud, Ghada W. Hanna, "Using GA, PSO and hybrid GA-PSO based algorithms for solving the least-cost multicast problem with QoS constraints", International Journal of Computer Systems (IJCS), pp: ١٦٦-١٧٢, Volume ٣, Issue ٣, March ٢٠١٦.

٧. **Moheb R. Girgis** and Lamia M. Rady, "Enhanced Web Objects Classification using Social Tags", International Journal of Computer and Information Technology (ISSN: ٢٢٧٩ – ٠٧٦٤), Vol. ٤, No. ٤, July ٢٠١٥, pp. ٧٤٨-٧٥٥.
٨. Alaa M. Allakany, Tarek M. Mahmoud, Koji Okamura and **Moheb R. Girgis**, "Multiple constraints QoS multicast routing optimization algorithm based on Genetic Tabu Search Algorithm", ACSIJ Advances in Computer Science: an International Journal, Vol. ٤, Issue ٣, No. ١٥, May ٢٠١٥.
٩. **Moheb R. Girgis**, Ahmed S. Ghiduk, and Eman H. Abd-Elkawy, "Automatic Data Flow Test Paths Generation Using the Genetical Swarm Optimization Technique", International Journal of Computer Applications (٠٩٧٥ – ٨٨٨٧), Vol. ١١٦, No. ٢٢, April ٢٠١٥, pp. ٢٥-٣٣.
١٠. **Moheb R. Girgis**, Tarek M. Mahmoud, Bahgat A. Abdullatif, and Alaa M. Zaki, "A State-Based Web Form Testing System", International Journal of Computer and Information Technology (ISSN: ٢٢٧٩ – ٠٧٦٤), Vol. ٤, No. ٢, March ٢٠١٥, pp. ٤٦٩-٤٧٨.
١١. **Moheb R. Girgis**, Ahmed A. A. Radwan, Alaa I. El-Nashar, and Hagar M. Azzam, "Heterogeneous Multiprocessor Task Scheduling Using Genetic and Simulated Annealing Algorithms and their Hybridization", International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR), ISSN(P): ٢٢٤٩-٦٨٣١; ISSN(E): ٢٢٤٩-٧٩٤٣, Vol. ٤, No. ٦, Dec ٢٠١٤, pp. ٥١-٦٢.
١٢. **Moheb Ramzy Girgis**, Abdelmgeid Amin Aly, and Fatima Mohy Eldin Azzam, "The Effect of Similarity Measures on Genetic Algorithm-Based Information Retrieval", International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR), ISSN(P): ٢٢٤٩-٦٨٣١; ISSN(E): ٢٢٤٩-٧٩٤٣, Vol. ٤, No. ٥, Oct ٢٠١٤, pp. ٩١-١٠٠.
١٣. **Moheb R. Girgis** and Mohammed S. Reda, "Content-based Image Retrieval using Image Partitioning with Color Histogram and Wavelet-based Color Histogram of the Image", International Journal of Computer Applications (٠٩٧٥ – ٨٨٨٧), Vol. ١٠٤, No. ٣, October ٢٠١٤, pp. ١٧-٢٤.
١٤. **Moheb R. Girgis**, Tarek M. Mahmoud, Bahgat A. Abdullatif, and Alaa M. Zaki, "An Automated Web Application Testing System", International Journal of Computer Applications (٠٩٧٥ – ٨٨٨٧), Vol. ٩٩, No. ٧, August ٢٠١٤, pp. ٣٧-٤٤.
١٥. **Moheb R. Girgis** and Mohammed S. Reda, "A Study of the Effect of Color Quantization Schemes for Different Color Spaces on Content-based Image Retrieval", International Journal of Computer Applications (٠٩٧٥ – ٨٨٨٧), Vol. ٩٦, No. ١٢, June ٢٠١٤, pp. ١-٨.
١٦. **Moheb R. Girgis**, Tarek M. Mahmoud, Bahgat A. Abdullatif, and Ahmed M. Rabie, "Solving the Wireless Mesh Network Design Problem using Genetic Algorithm and Simulated Annealing Optimization Methods", International Journal of Computer Applications (٠٩٧٥ – ٨٨٨٧), Vol. ٩٦, No. ١١, June ٢٠١٤, pp. ١-١٠.
١٧. **Moheb R. Girgis**, Tarek M. Mahmoud, Bahgat A. Abdullatif, and Ahmed M. Rabie, "Solving the Wireless Mesh Network Design Problem using Genetic Algorithm and Tabu Search Optimization Methods", IRACST – International Journal of Computer Networks and Wireless Communications (IJCNWC), ISSN: ٢٢٥٠-٣٥٠١ Vol. ٤, No. ٢, April ٢٠١٤.

١٨. Walaa M Abdel-Hafiez, Mohamed Heshmat, **Moheb Girgis**, Seham Elaw, "A New Face Recognition Scheme For Faces With Expressions, Glasses And Rotation", International Journal Of Computer Engineering & Technology (IJCET), Vol. ٥, No. ٤, pp. ١١-٢٣, April ٢٠١٤.
١٩. **Moheb R. Girgis**, Ahmed S. Ghiduk, and Eman H. Abd-Elkawy, "Automatic Generation of Data Flow Test Paths using a Genetic Algorithm", International Journal of Computer Applications (٠٩٧٥ – ٨٨٨٧), Vol. ٨٩, No. ١٢, March ٢٠١٤, pp. ٢٩-٣٦.
٢٠. **M. R. Girgis**, T. M .Mahmoud and E. H. Eliwa, "Medical Decision Support System For Hepatitis C Virus Prediction Using Data Mining Techniques", International Journal of Intelligent Computing and Information Science, Vol. ١٤, No. ١ January ٢٠١٤, pp. ٢١-٣٥.
٢١. **Moheb R. Girgis**, Tarek M. Mahmoud, and Entesar H. Eliwa, "Medical Decision Support System Using Data Mining Techniques", International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR), Vol. ٣, No. ٣, pp. ١٦٩ – ١٨٤, ٢٠١٣.
٢٢. Walaa Mohamed, Mohamed Heshmat, **Moheb Girgis**, and Seham Elaw, "A new Method for Face Recognition Using Variance Estimation and Feature Extraction", International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), ISSN ٢٢٧٨-٦٨٥٦, Vol. ٢, No. ٢, March – April ٢٠١٣, pp. ١٣٤-١٤١.
٢٣. **M. R. Girgis**, A. S. Ghiduk, and E. H. Abd-Elkawy, "An Approach For Enhancing Regression Testing Using Genetic Algorithm And Data Flow Analysis", International Journal of Intelligent Computing and Information Science, Vol. ١٣, No. ٢, APRIL ٢٠١٣, pp. ١١٥-١٣٢.
٢٤. Marghny Mohamed, Abeer A. Al-Mehdhar, Mohamed Bamatraf, **Moheb R. Girgis**, "Enhanced Self-Organizing Map Neural Network for DNA Sequence Classification," Intelligent Information Management, Vol. ٥, No. ١, ٢٠١٣, pp. ٢٥-٣٣. doi: ١٠.٤٢٣٦/iim.٢٠١٣.٥١٠٠٤.
٢٥. M. R. Girgis, T. M. Mahmoud, H. F. Abd El-Hameed, and Z. M. El-Saghier, "Solving the Routing and Capacity Assignment Problem in Computer Networks Using Genetic Algorithm", Information Science Letters, Vol. ٢, No. ١, pp. ١٣-٢٥, ٢٠١٣.
٢٦. Ahmed S. Ghiduk, Moheb R. Girgis, and Eman H. Abd-Elkawy, "A Survey of Regression Testing Techniques", International Journal of Advanced Research in Computer Science, Vol. ٣, No. ٥, Sept-Oct ٢٠١٢, pp. ١٤٠-١٤٨.
٢٧. A. Swilem, M. R. Girgis, S. Elaw, "Color Image Recognition Using Variance-Covariance Technique", International Journal of Intelligent Computing and Information Science, Vol. ١١, No. ٢, July ٢٠١١, pp. ١٩٥-٢٠٨.
٢٨. Ahmed S. Ghiduk and Moheb R. Girgis, "Using Genetic Algorithms and Dominance Concepts for Generating Test Data", Informatics, ٣٤, ٢٠١٠, pp. ٣٧٧-٣٨٥.
٢٩. Moheb R. Girgis, Tarek M. Mahmoud, Tarek Abd-El-Hafeez, "A New Effective System for Filtering Pornography Images from Web Pages and PDF Files", International Journal of Web Applications, Vol ٢, No. ١, March ٢٠١٠, pp. ١-١٣.
٣٠. M. R. Girgis, T. M. Mahmoud, R. R. Nour, "UML Class Diagram Metrics Tool". International Journal of Intelligent Computing and Information Science, Vol. ١٠, No. ١, January ٢٠١٠, pp. ٣٠٣-٣١٤.

٣١. A.A. Aly, M. R. Girgis, B. A. Abdel-Latef, B. R. El-Gamil, "Selecting Nucleotides in The Biological Model For Information Retrieval". *International Journal of Intelligent Computing and Information Science*, Vol. ١٠, No. ١, January ٢٠١٠, pp. ١١١-١١٧.
٣٢. Moheb R. Girgis, Tarek M. Mahmoud, Youssef S. Takroni, and Hassan S. Hassan, "Performance Evaluation of a New Route Optimization Technique for Mobile IP". *International Journal of Network Security & Its Applications (IJNSA)*, Vol. ١, No. ٣, October ٢٠٠٩, pp. ٦٣-٧٣.
٣٣. M. R. Girgis, A. A. Sewisy, and R. F. Mansour, "A Robust Method for Partial Deformed Fingerprint Verification Using Genetic Algorithm". *Expert Systems with Applications*, Vol. ٣٦, No. ٢, March ٢٠٠٩, pp. ٢٠٠٨-٢٠١٦, ISSN: ٠٩٥٧-٤١٧٤.
٣٤. M. R. Girgis, A. A. Sewisy, and R. F. Mansour, "A Robust Method for Fingerprint Matching Using Genetic Algorithm". *International Review on Computers and Software (IRECOS)*, Vol. ٢, No. ٤, July ٢٠٠٧, pp. ٣١٢-٣١٧.
٣٥. Abdelaziz M. Khamis, Moheb R. Girgis and Ahmed S. Ghiduk, "Automatic Software Test Data Generation For Spanning Sets Coverage Using Genetic Algorithms". *Computing and Informatics*, Vol. ٢٦, ٢٠٠٧, pp. ١٠٠١-١٠١٩.
٣٦. Moheb R. Girgis, Abd El-Mgeid A. Aly, Bahgat A. Abdel Latef, Boutros R. El-Gamil, "Biological Model For Information Retrieval". *Journal of Digital Information Management*, Vol. ٥, No. ٣, June ٢٠٠٧, pp. ١٢٣-١٢٩.
٣٧. Moheb R. Girgis, Tarek M. Mahmoud, and Tarek Abd-El-Hafeez, "An Approach to Image Extraction and Accurate Skin Detection from Web Pages". *International Journal Of Computer Science and Engineering*, Vol. ١, No. ٢, ٢٠٠٧, ISSN ١٣٠٧-٣٦٩٩, pp. ٨٨-٩٦.
٣٨. M. R. Girgis, A. A. Sewisy, and R. F. Mansour, "Verification of partially deformed Fingerprints relying on Evolutionary Algorithms". *Graphics, Vision, and Image Processing (GVIP) Journal*, Vol. ٧, No. ١, April, ٢٠٠٧, pp. ٤٣-٤٩.
٣٩. M. R. Girgis, A. A. Sewisy, and R. F. Mansour, "Employing Generic Algorithms for precise Fingerprint Matching based on Line Extraction". *Graphics, Vision, and Image Processing (GVIP) Journal*, Vol. ٧, No. ١, April, ٢٠٠٧, pp. ٥١-٥٩.
٤٠. C.-H Chang, M. Kayed, M. R. Girgis, and K. F. Shaalan, "A Survey of Web Information Extraction Systems". *IEEE Transactions on Knowledge and Data Engineering*, Vol. ١٨, No. ١٠, October ٢٠٠٦, pp. ١٤١١-١٤٢٨.
٤١. Ahmed Younes and Moheb R. Girgis, "A Tool For Computing Computer Network Reliability". *International Journal of Computer Mathematics*, Vol. ٨٢, No. ١٢, December ٢٠٠٥, pp. ١٤٥٥-١٤٥٦.
٤٢. M. R. Girgis and A. A. Aly, "Using Symbolic Execution and Branch Coverage Criteria to Aid Test Data Selection for Interprocedural Program Testing". *Egyptian Informatics Journal*, Vol. ٦, No. ٢, December ٢٠٠٥, pp. ١٨-٣٧.
٤٣. E. A. Zanaty and M. R. Girgis, "Collect The Fitted Surfaces Into Complex Based On C' Continuity". *Journal of Universal Computer Science*, Vol. ١١, No. ٦, pp. ١١٠٢-١١١٤, June ٢٠٠٥.
٤٤. M. R. Girgis, "Automatic Test Data Generation For Data Flow Testing Using A Genetic Algorithm". *Journal of Universal Computer Science*, Vol. ١١, No. ٦, pp. ٨٩٨-٩١٥, June ٢٠٠٥.

٤٥. M. R. Girgis, A. Younes, and M. R. Hassan, "An Approach To Find An Optimal Network Design Using A Genetic Algorithm And Fuzzy Optimization". *Scientific Bulletin, Faculty Of Engineering, Ain Shams University*, Vol. ٣٩, No. ١, March ٢٠٠٤, pp. ٥٨١-٥٩٣.
٤٦. M. R. Girgis and A. A. Aly, "A Feature Selection and Classification Technique For Text Categorization". *International Journal of Cooperative Information Systems*, Vol. ١٢, No. ٤, December ٢٠٠٢.
٤٧. Ahmed A. A. Radwan, Moheb R. Girgis, and Alaa A. Ghanem, "A Study of Barycentre Algorithm For Hierarchical Graph Crossings Minimization". *International Journal of Intelligent Computing & Information Sciences*, Vol. ٢, No. ٢, July ٢٠٠٢, pp. ١٣-٢٢.
٤٨. Ahmed A. A. Radwan, Moheb R. Girgis, and Esam H. Houssin, "Techniques for Determining the Area Requirement of Visibility Representation of Rooted Trees". *International Journal of Intelligent Computing & Information Sciences*, Vol. ٢, No. ٢, July ٢٠٠٢, pp. ٦٩-٧٩.
٤٩. Moheb R. Girgis, A. A. Aly, and M. S. Kayed, "Automatic Information Retrieval Of Short Documents". *International Journal on Information Theories and Applications*, Vol. ٩, ٢٠٠٢.
٥٠. A. A. A. Radwan, M. R. Girgis, and E. H. Houssin, "Comparing Area Requirements Of Different Visibility Representations Of Rooted Trees". *International Journal of Intelligent Computing & Information Science*, Vol. ٢, No. ١, January ٢٠٠٢, pp. ٦٨-٧٧.
٥١. Moheb R. Girgis, "Interprocedural Program Testing Using Symbolic Execution and Data Flow Criteria". *International Journal of Applied Mathematics*, Vol. ٧, No. ١, ٢٠٠١, pp. ٤٥-٦٧.
٥٢. M. R. Girgis and A. Younes, "Data Flow Testing Of Knowledge-Based Systems". *Egyptian Computer Science Journal*, Vol. ٢٢, No. ١, January ٢٠٠١, pp. ١-١٥.
٥٣. A. A. A. Radwan, M. R. Girgis, and A. Ghanem, "A Study of the Area of Drawing Level Graphs". *International Journal of Applied Mathematics*, Vol. ٥, No. ٤, ٢٠٠١, pp. ٣٦٣-٣٧٥.
٥٤. A. A. A. Radwan, T. M. Mahmoud, M. R. Girgis, and E. F. El-Geldawi, "Improving the Efficiency of the Flow Deviation Method for Solving the Optimal Routing Problem in a Packet-Switched Computer Network". *Egyptian Computer Science Journal*, Vol. ٢٢, No. ٢, July ٢٠٠٠.
٥٥. A. Younes, M. R. Girgis, and M. R. Hassan, "An Approach to the Verification and Correction of Knowledge-Based Systems". *Egyptian Computer Science Journal*, Vol. ٢٢, No. ١, January ٢٠٠٠, pp. ٤٧-٦٣.
٥٦. Moheb R. Girgis, "A System for Interprocedural Data Flow Analysis and Testing". *International Journal of Applied Mathematics*, Vol. ٣, No. ٢, ٢٠٠٠, pp. ١٣٣-١٥٠.
٥٧. Emdad H. Khan, Mansoor Al-A'ali, and Moheb R. Girgis, "Object-Oriented Programming for Structured Procedural Programmers", *IEEE Computer Journal*, USA, Vol. ٢٨, No. ١٠, ١٩٩٥.
٥٨. M. R. Girgis, "Using Symbolic Execution and Data Flow Criteria to Aid Test Data Selection", *Software Testing, Verification and Reliability Journal*, UK, Vol. ٣, No. ٢, ١٩٩٣, pp. ١٠١-١١٢.

٥٩. M. R. Girgis, "Writing FORTRAN Programs in Arabic Language", *Journal of the Institute of Maths & Computer Science (Computer Science Series)*, India, Vol.٣, No. ٢, ١٩٩٢, pp. ٥١-٦٣.
٦٠. M. R. Girgis, "An experimental Evaluation of a Symbolic Execution Systems", *IEE Software Engineering Journal*, UK, Vol. ٧, No. ٤, ١٩٩٢, pp. ٢٨٥-٢٩٠.

***Papers Published in Conference Proceedings:***

١. Hatem A. EL-Azab, Moheb R. Girgis, Essameldin F. Elfakharany, and Mohamed Elemam Shehab, "Design and Implementation of Multicore Support for a Highly Reliable Self-Repairing  $\mu$ -Kernel OS", Proceedings of The ٢٠١٧ IEEE Eighth International Conference on Intelligent Computing and Information Systems (ICICIS'١٧), ٥-٧ December, ٢٠١٧, pp. ١٣-٢٢, Cairo, Egypt.
٢. Hatem A. EL-Azab, Moheb R. Girgis, Essameldin F. Elfakharany, and Mohamed Elemam Shehab, "Turning a Highly Reliable, Self-Repairing  $\mu$ -Kernel OS into a Multicore-Based OS", Proceedings of The ٢٧<sup>th</sup> International Conference on Computer Theory and Applications (ICCTA ٢٠١٧), IEEE, ٢٨-٣٠ October ٢٠١٧, pp. ٣٩ – ٤٩, Alexandria, Egypt.
٣. Mohamed Heshmat, Walaa M. Abd-Elhafiez, Moheb Girgis, and Seham Elaw, "Face Identification System in Video", Proceedings of The ٢٠١٦ Eleventh International Conference on Computer Engineering & Systems (ICCES), IEEE, ٢٠-٢١ Dec. ٢٠١٦, pp. ١٤٧ – ١٥٤, Cairo, Egypt.
٤. Mohamed Heshmat, Walaa M. Abd-Elhafiez, Moheb Girgis, and Seham Elaw, "An efficient scheme for face detection based on contours and feature skin recognition", Proceedings of The ٢٠١٥ Tenth International Conference on Computer Engineering & Systems (ICCES), IEEE, ٢٣-٢٤ Dec. ٢٠١٥, pp. ٢٥٥ – ٢٦٠, Cairo, Egypt.
٥. Mohamed Heshmat, Walaa M. Abd-Elhafiez, Moheb Girgis, and Seham Elaw, "Human Face Detection in a Video Stream Using Luv Color Space", International Conference on Pure and Applied Sciences, Mar ٢٨-٣٠, ٢٠١٥, Luxor, Egypt
٦. Moheb R. Girgis, Alaa I. El-Nashar, Awany A. Sayed, and Tahany Akl, "An Automated GUI Testing Tool", Proceedings of The Sixth International Conference on Intelligent Computing and Information Systems (ICICIS ٢٠١٣), Cairo, Egypt, December ١٤-١٦, ٢٠١٣, pp. ١١١-١١٨.
٧. Moheb R. Girgis, Elnomery A. Zany, Mohamed M. Abdel-Aziz, Aida H. Abu-Bakr, "A Tool for Testing UML Design Models", International Conference on Mathematics, Trends and Development (ICMTD'١٢), Cairo, Egypt, ٢٧ – ٢٩ Dec. ٢٠١٢.
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٥. Mohammed Kayed, "The Development of a System for Automatic Storage and Retrieval of Computer Terms and their Definitions in English and Arabic", ٢٠٠٢, Minia University, Egypt.
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٣٤. Marwa Ahmed Mohammed, "A Study of Structural Testing of Web Applications", ٢٠١٧, Minia University, Egypt.
٣٥. Hazem Ibrahim Goda, "The Automatic Generation of Software Test Suites Using a Hybrid Genetic Algorithm-Neural Networks Strategy", Beni Suef University, Egypt. (in progress)
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٣٧. Mohammed Mahmoud Talaat, " A Study of Some Fractal Image Compression Techniques and Their Applications of Digital Images", Minia University, Egypt. (in progress)
٣٨. Lamiaa Mohammed Radi, "Finger Print Recognition using Vector Quantization and Histogram modeling", Minia University, Egypt. (in progress)
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٤٠. Hatem A. EL-Azab, "Design and Implementation of Multicore Support for a Highly Reliable Self-Repairing Microkernel Operating System", Arab Academy for Science and Technology & Maritime Transport, College of Computing & Information Technology, Egypt. (in progress)

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١٠. Abeer Abdullah Omar Al-Mehdhar, "Modified SOM Algorithm for Molecular sequence classification and Data Security", ٢٠١٣, Assiut University, Egypt.
١١. Entesar H. Eliwa, "Using Data Mining Techniques to Improve the Performance of Decision Support Systems", ٢٠١٤, Minia University, Egypt.
١٢. Ahmed M. Rabie, "Solving the Wireless Mesh Networks Design Problem Using Metaheuristics", ٢٠١٥, Minia University, Egypt.
١٣. Alaa Mohammed Zaki, "State-Based Testing of web Applications", ٢٠١٥, Minia University, Egypt.
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١٨. Tahany Aql Saied, "A Study of Automating the Testing Process of Mobile Applications", Minia University, Egypt. (in progress)
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**بيان بالرسائل العلمية التي شاركت في تحكيمها (اسم الطالب-الكلية-الجامعة-الدرجة العلمية):**

١. الرسالة المقدمة من الطالب/ ربيع عبد الله علي أحمد للحصول على درجة الماجستير في

العلوم (علوم الحاسب) من قسم الرياضيات بكلية العلوم - جامعة عين شمس ، بعنوان :  
Attribute Grammars and Compilers Construction

٢. الرسالة المقدمة من الطالبة/ رحاب محمد جاد القاضي للحصول على درجة الماجستير في

العلوم (الإحصاء وعلوم الحاسب) من قسم الرياضيات بكلية العلوم - جامعة المنصورة ،  
بعنوان :

Computer-Aided Study of Stirling Numbers and Some Applications

٣. الرسالة المقدمة من الطالبة / عبير عبد الله عمر المحضار ، للحصول على درجة الماجستير

في العلوم الرياضيات "علوم حاسب" من قسم الرياضيات بكلية العلوم - جامعة أسيوط ،  
بعنوان:

Neural Network Interpretation Using Evolutionary Algorithm

٤. الرسالة المقدمة من الطالب / أحمد إبراهيم طلويه ، للحصول على درجة الماجستير في العلوم

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العلوم في الرياضيات (شعبة حاسب آلي) من قسم الرياضيات بكلية العلوم - جامعة  
الأسكندرية ، بعنوان:

Synthesis and Adaptation of Multi-Agent Systems

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Some Aspects of Cryptography and Information Theory

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العلوم الرياضيات "علوم حاسب" من قسم الرياضيات بكلية العلوم - جامعة أسيوط ، بعنوان:  
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#### Image and Video Coding Technique Based on Object Extraction

١٣. الرسالة المقدمة من الطالبة / أحمد فؤاد عبد الرحمن علي ، للحصول على درجة دكتوراة الفلسفة في العلوم رياضيات "علوم حاسب" من قسم الرياضيات بكلية العلوم - جامعة أسيوط ، بعنوان:

#### Developing Efficient Computational Intelligence Techniques for Protein 3D-Structure Prediction

١٤. الرسالة المقدمة من الطالب / محمد مصطفى محمد درويش ، للحصول على درجة الماجستير في العلوم رياضيات "علوم حاسب" من قسم الرياضيات بكلية العلوم - جامعة أسيوط ، بعنوان:

#### Computationally Efficient Association Rules Mining Algorithms

١٥. الرسالة المقدمة من الطالب / مصطفى كمال عثمان ، للحصول على درجة الماجستير في علوم حاسب من كلية الحاسبات والمعلومات - جامعة القاهرة ، بعنوان:

#### Designing Machine Learning Tools Based on Meta-Heuristic Programming

١٦. الرسالة المقدمة من الطالب / عمرو عاطف عبد المجيد ، للحصول على درجة الماجستير في الحاسبات والمعلومات (نظم المعلومات) من كلية الحاسبات والمعلومات - جامعة أسيوط ، بعنوان:

#### Discovering and Predicting Genes' Information Using Text Mining

١٧. الرسالة المقدمة من الطالب / حسام الدين رفعت محمد ، للحصول على درجة دكتوراة الفلسفة في العلوم الرياضيات "علوم حاسب" من قسم الرياضيات بكلية العلوم - جامعة أسيوط ،  
بعنوان:

Design Parallel Techniques for Association Rule Mining on Distributed Shared Memory  
١٨. الرسالة المقدمة من الطالبة / حنان حامد أمين ، للحصول على درجة الماجستير في العلوم "علوم حاسب" من قسم الرياضيات بكلية العلوم - جامعة سوهاج ، بعنوان:

Advanced Topics in Artificial Neural Networks

١٩. الرسالة المقدمة من الطالب / حمادة إبراهيم عبد الوكيل ، للحصول على درجة الماجستير في علوم حاسب من كلية الحاسبات والمعلومات - جامعة القاهرة ، بعنوان:

Semantic Message Addressing

٢٠. الرسالة المقدمة من الطالب / محمد يوسف بسيوني مهدي ، للحصول على درجة الماجستير في الحاسبات والمعلومات (علوم حاسب) من كلية الحاسبات والمعلومات - جامعة أسيوط ،  
بعنوان:

An Efficient Algorithm for Template Matching

٢١. الرسالة المقدمة من الطالب / إسلام طه مرسي علي الجندي ، للحصول على درجة الماجستير في الحاسبات والمعلومات (علوم حاسب) من كلية الحاسبات والمعلومات - جامعة أسيوط ،  
بعنوان:

Augmented Clothes Controlled by a Motion Capture System

٢٢. الرسالة المقدمة من الطالبة / سارة صلاح محمد عبد العال ، للحصول على درجة دكتوراة الفلسفة في العلوم الرياضيات (علوم حاسب) من كلية العلوم - جامعة أسيوط ، بعنوان:

Predicting the Native Structures of Proteins in Hydrophobic-Polar Lattice Model

٢٣. الرسالة المقدمة من الطالبة / نزيهة محمد علي العيدرويس ، للحصول على درجة دكتوراة الفلسفة في العلوم الرياضيات (علوم حاسب) من كلية العلوم - جامعة أسيوط ، بعنوان:

Highly Secure and Imperceptible Techniques for Steganography

٢٤. الرسالة المقدمة من الطالبة / يارة سيد محمد رسلان ، للحصول على درجة دكتوراة الفلسفة في العلوم الرياضيات (علوم حاسب) من كلية العلوم - جامعة أسيوط ، بعنوان:

Machine Learning Using Immune System Programming

٢٥. الرسالة المقدمة من الطالب / محمد مصطفى محمد درويش ، للحصول على درجة دكتوراة الفلسفة في العلوم الرياضيات (علوم حاسب) من قسم الرياضيات بكلية العلوم - جامعة أسيوط ، بعنوان:



## Moments of Digital Images in Different Coordinate Systems: Computations and Applications

٢٦. الرسالة المقدمة من الطالب / عمرو مجدي ربيع كامل ، للحصول على درجة الماجستير في الحاسبات والمعلومات (علوم حاسب) من كلية الحاسبات والمعلومات - جامعة أسيوط ،  
بعنوان:

### Steganalysis Using Discrete Cosine Transform Features

١. Rabie Abdalla Aly Ahmed, Attribute Grammars and Compilers Construction, MSc. Thesis, Faculty of Science, Ain Shams University.
٢. Rehab Mohamed Gad El-Kady, Computer-Aided Study of Stirling Numbers and Some Applications, MSc. Thesis, Faculty of Science, Mansoura University.
٣. Abeer Abdalla Omar El-Mohdar, Neural Network Interpretation Using Evolutionary Algorithm, MSc. Thesis, Faculty of Science, Assiut University.
٤. Ahmed Ibrahim Taloba, Data Clustering Using Evolutionary Algorithms, MSc. Thesis, Faculty of Science, Assiut University.
٥. Marwa Abdel-Razek Mohamed, Synthesis and Adaptation of Multi-Agent Systems, MSc. Thesis, Faculty of Science, Alexandria University.
٦. Omar Reyad Mohamed Ahmed, Some Aspects of Cryptography and Information Theory, MSc. Thesis, Faculty of Science, Sohag University.
٧. Rasha Mahmoud Abdel-Aziz, Knowledge Discovery Using Support Vector Machines, MSc. Thesis, Faculty of Science, Assiut University.
٨. Mohamed Abdalla Mohamed Bamatraf, Intrusion Detection and Medical Applications: Data Mining Approaches, PhD. Thesis, Faculty of Science, Assiut University.
٩. Nermeen Mahmoud Mohamed Kashef, Tracking Model for Gesture Recognition, MSc. Thesis, Faculty of Science, Alexandria University.
١٠. Ahmed M. Salah Hussein, Three-Dimensional Shape Reconstruction Using Shape From Shading, MSc. Thesis, Faculty of Science, Assiut University.
١١. Abdel-Rahiem Ahmed Hashem Mohammed, Missing Data Imputation Based on Clustering Algorithms, MSc. Thesis, Faculty of Science, Assiut University, ٢٠١١.
١٢. Walaa Mohamed Abd-Elhafiez, Image and Video Coding Technique Based on Object Extraction, PhD. Thesis, Faculty of Science, Sohag University, ٢٠١١.
١٣. Ahmed Fouad Abd El-Rahman Ali, Developing Efficient Computational Intelligence Techniques for Protein 3D-Structure Prediction, PhD. Thesis, Faculty of Science, Assiut University, ٢٠١١.
١٤. Mohammed Mustafa Mohammed Darwish, Computationally Efficient Association Rules Mining Algorithms, MSc. Thesis, Faculty of Science, Assiut University, ٢٠١١.
١٥. Mostafa Kamal Othmam, Designing Machine Learning Tools Based on Meta-Heuristic Programming, MSc. Thesis, Faculty of Computers & Information, Cairo University, ٢٠١١.
١٦. Amr Atef Abdel-Maged, Discovering and Predicting Genes' Information Using Text Mining, MSc. Thesis, Faculty of Computers & Information, Assiut University, ٢٠١٢.
١٧. Hosam Eldin Refaat Mohamed, Design Parallel Techniques for Association Rule Mining on Distributed Shared Memory, PhD. Thesis, Faculty of Science, Assiut University, ٢٠١٢.
١٨. Hanan Hamed Amin, Advanced Topics in Artificial Neural Networks, MSc. Thesis, Faculty of Science, Sohag University, ٢٠١٢.
١٩. Hamada Ibrahim Abdul Wakeil, Semantic Message Addressing, MSc. Thesis, Faculty of Computers & Information, Cairo University, ٢٠١٢.
٢٠. Mohamed Yousef Bassyouni Mahdy, An Efficient Algorithm for Template Matching, MSc. Thesis, Faculty of Computers & Information, Assiut University, ٢٠١٣.
٢١. Islam Taha Morsy Ali El-Gendy, Augmented Clothes Controlled by a Motion Capture System, MSc. Thesis, Faculty of Computers & Information, Assiut University, ٢٠١٣.

٢٢. Sara Salah Mohammed, Predicting the Native Structures of Proteins in Hydrophobic-Polar Lattice Model, PhD. Thesis, Faculty of Science, Assiut University, ٢٠١٤.
٢٣. Naziha Mohammed Ali Al-Aidroos, Highly Secure and Imperceptible Techniques for Steganography, PhD. Thesis, Faculty of Science, Assiut University, ٢٠١٤.
٢٤. Yara Sayed Mohammed Raslan, Machine Learning Using Immune System Programming, PhD. Thesis, Faculty of Science, Assiut University, ٢٠١٥.
٢٥. Mohammed Mustafa Mohammed Darwish, Moments of Digital Images in Different Coordinate Systems: Computations and Applications, PhD. Thesis, Faculty of Science, Assiut University, ٢٠١٧.
٢٦. Amr Magdy Rabee, Steganalysis Using Discrete Cosine Transform Features , MSc. Thesis, Faculty of Computers & Information, Assiut University, ٢٠١٨.

### بيان بالدوريات العلمية التي قمت بتحكيم أبحاث فيها وعدد هذه الأبحاث:

١. "Control Flow and Data Oriented Integration Test Methods," by Andreas Spillner. Submitted for publication in the *Journal of Software Testing Verification & Reliability, UK*, ١٩٩٢.
٢. "An Extension of Def-Use Graph for Data Flow Testing at the Program Level," by Hasan Ural, Submitted for publication in the *Journal of Software Testing Verification & Reliability, UK*, ١٩٩٤.
٣. "ADTEST: A Test Data Generation Suit for Ada Software Systems," by V.L. Narasimban and M.J. Gallagher, Submitted for publication in the *IEEE Transactions on Software Engineering, USA*, ١٩٩٥.
٤. "Enterprise-Heuristics Based Approach To Enhance KDD (KSA Unemployment Problem Case Study)", by H. AbdAlhakim, O. Emam and A. H. Al Howymil, Submitted for publication in the *International Journal of Intelligent Computing and Information Sciences*, ٢٠٠٩.
٥. "Dynamic Architecture for E-Health System", by N. L. Badr, Submitted for publication in the *International Journal of Intelligent Computing and Information Sciences*, ٢٠٠٩.
٦. "Test Data Generation using Mutation Analysis based adequacy testing criteria", Submitted for publication in *JIPS*, ٢٠١١.
٧. " Automated Test Data Generation Using Cuckoo and Tabu Search", Submitted for publication in *JIPS*, ٢٠١٢.
٨. "CASONTO: An Efficient and Scalable Arabic Semantic Search Engine based on a Domain Specific Ontology and Question Answering", Submitted for publication in *International Journal of Web Information Systems (IJWIS)*, ٢٠١٦.
٩. "A novel method of grouping target paths for messagepassing parallel programs", Submitted for publication in *IEEE Transactions on Reliability*, ٢٠١٧.
١٠. "Metaheuristic Algorithm for State-based Software Testing", Submitted for publication in *Arabian Journal for Science and Engineering (AJSE)*, ٢٠١٧.

### الدورات التدريبية في مجال نظم إدارة الجودة:

م	كود الدورة	عنوان الدورة	فترة الدورة
١	I٣	تنمية مهارات رعاية الطلاب	٢٠٠٥/١/١٢-١١
٢	I١	تنمية مهارات العرض الفعال	٢٠٠٥/١/٣١-٢٩
٣	P٤	تنمية آداب وأخلاقيات المهنة	٢٠٠٥/٨/١٧-١٥
٤	L٣	إتخاذ القرارات وحل المشكلات	٢٠٠٥/١٢/١٤-١٢
٥	L٤	الجوانب القانونية بالجامعات	٢٠٠٦/١/٢٤-٢٣
٦	T٤	معايير الجودة في العملية التدريسية	٢٠٠٧/٩/ ٢٧-٢٥

### الأنشطة المختلفة في مجال نظم إدارة الجودة / مشروعات تطوير التعليم:

إدارة مشروع تطوير البنية الأساسية لشبكة معلومات جامعة المنيا التابع لمشروع تطوير نظم وتكنولوجيا المعلومات في التعليم العالي (ICTP).

**فحص الإنتاج العلمي للمتقدمين إلى اللجنة العلمية الدائمة لترقية الأساتذة والأساتذة المساعدين (رياضيات) في تخصص علوم الحاسب :**

١. فحص الإنتاج العلمي المقدم من السيد الدكتور/ السيد عبد المقصود محمد عتلم الأستاذ المساعد بقسم الرياضيات - الحاسب الآلي بكلية العلوم - جامعة طنطا للحصول على اللقب العلمي أستاذ "علوم الحاسب" . (٢٠١٣)
٢. فحص الإنتاج العلمي المقدم من السيد الدكتور/ أحمد محمد خضر سليمان الأستاذ المساعد بقسم الرياضيات بكلية العلوم - جامعة الزقازيق للحصول على اللقب العلمي أستاذ . (٢٠١٤)
٣. لفحص الإنتاج العلمي التكميلي المقدم من السيد الدكتور/ السيد عبد المقصود محمد عتلم الأستاذ المساعد بقسم الرياضيات بكلية العلوم - جامعة طنطا للحصول على اللقب العلمي أستاذ . (٢٠١٤)
٤. فحص الإنتاج العلمي المقدم من السيد الدكتور/ عصام علي همام أحمد راشد المدرس بقسم الرياضيات بكلية العلوم - جامعة قناة السويس للحصول على اللقب العلمي أستاذ مساعد. (٢٠١٥)
٥. فحص أحد البحوث المقدمة ضمن الإنتاج العلمي للسيد الدكتور/ عبد الرحمن عبد الرحمن إبراهيم كراوية المدرس بقسم الرياضيات بكلية العلوم- جامعة المنصورة للحصول على اللقب العلمي أستاذ مساعد . (٢٠١٥)
٦. فحص الإنتاج العلمي المقدم من السيد الدكتور/ طارق صلاح السيد صبح المدرس بكلية الحاسبات والمعلومات للحصول على اللقب العلمي أستاذ مساعد. (٢٠١٧)
٧. فحص الإنتاج العلمي المقدم من السيد الدكتور/ هاني عبد الرحمن محمد السلاموني المدرس بقسم الرياضيات بكلية العلوم - جامعة حلوان للحصول على اللقب العلمي أستاذ مساعد. (٢٠١٧)