

**A CURRICULUM VITAE
OF
Prof. DDR. KAMEL HUSSEIN ABDEL-RAZIK RAHOUMA**



1. Personal Information

1. **Name:** Kamel Hussein Abdel Razik RAHOUMA
2. **Birth Date:** 19/12/1960
3. **Permanent Working Address:** Department of Electrical Engineering, Faculty of Engineering, Minia University, Minia, Egypt.
4. **Occupation:** Professor of Computer Science.
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2. Degrees and qualifications

1. Doctor of Techn. in Applied Informatics "Computer Science", from the university of Salzburg, Austria, (May 2001). A training hypertext framework was designed, programmed and applied to the educational technologists to teach them the simple maintenance and troubleshooting tasks of the educational equipment.

2. Ph.D. degree in Electrical Engineering, from Minia University, Egypt, (April, 1996). The dissertation title was: (Design of analog and digital transmultiplexers). The period (1991-1993) was spent at the Electronics Engineering Laboratories, University of Kent at Canterbury, Kent, England as a part of the corresponding study.

3. M.Sc. Degree in Electrical Engineering, from Cairo University, Egypt, (April, 1988). The thesis title was: (Digital control for electric drives).

4. B.Sc. degree in Electrical Engineering, from Cairo University, Egypt, (May, 1984).

3. A Short List of Scientific outcomes

1. Two doctoral degrees (one in communication engineering + one is computer science)
2. Teaching and training courses of electrical engineering, communication engineering, computer science in the undergraduate and postgraduate levels (Communication theory – Digital and logic design – Computer architecture – Embedded systems – Mathematical methods – Introduction to computers – Computer programming (MATLAB, C++, Visual Basic, Visual Basic.net,) – Microprocessors – etc.
3. Academic researcher, more than 103 papers have been published in different areas (Cryptography and information security – Biomedical engineering – Software engineering – Educational applications, artificial intelligence, -..... etc.
4. A Postgraduate research supervisor (25 Ph.D., and 20 M.Sc.).
5. A reviewer and/or a TPC member of some of the international journals and conferences (since 2000 till now).
6. A member in some of the committees branched from the council of the faculty of engineering, Minia University).
7. Supervising many graduation projects in Egypt (Minia University, Faculty of Industrial education in Beni Suef, and faculty of specific education, Ain shams University), technical colleges (the

Vocational and training organization) in Saudi Arabia and Faculties of Arts and Sciences, Qassim University in Saudi Arabia added to many higher institute of computers, administration and information systems..

4. Employment and Academic Profile

1. **From 1st of October 2023 till now:** Head of the computer science department and the coordinator of the computer science program in the higher institute of computers, administration and information systems, Obour institutes, Cairo, Egypt. We have submitted our documents to the National Association of Quality Assurance and Accreditation (NAQAA) for the purpose of accrediting our computer science program. A final decision accreditation was given at 20th of May 2025.
2. **From 1st of October 2023 till now:** Professor of computer science in the Electrical Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.
3. **From the 1st of December 2020 till 30th of Sept 2023:** Professor of Computer Science and vice dean of the Faculty of Computer Science, Nahda University in Beni Suef, Beni Seref, Egypt.
4. **From April 2010 till end of November 2020:** Professor of computer science in the Electrical Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.
5. **From January 2011 till 2016:** Contracting as an Associate Professor of Computer Science in the Department of Computer Science, Faculty of Science and Arts, Al Qassim University, Saudi Arabia. Added to my teaching job, I have been assigned the following positions:
 - a- Vice Dean of the development, quality assurance and accreditation.
 - b- Head of the Department of Computer Science.
 - c- A member of the main committee of the Faculty Strategic Plan.
 - d- The manager of Electronic Learning Unit.
 - e- The manager of Faculty Web Site.
 - f- A member of the Faculty Council.
6. **From March 2002 till April 2010:** Associate professor of computer science in the Electrical Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.
7. **From September 2006 till July 2010:** Contracting as an Associate Professor in the Electrical Technology Department, Technical College in Al Quayiyah, Saudi Arabia. Added to my teaching job, I have been assigned the following positions:
 - a- From September 2006 till January 2008: Vice Dean of the Trainees
 - b- From January 2008 till January 2009: Vice Dean of the Trainers
 - c- From January 2009 till January 2010: The manager of the Quality Assurance and Accreditation Unit
 - d- A member of the Faculty Council.
8. **From January 2003 till Sept. 2004:** The executive Manager of the Minia University Computer Center, Minia University, Minia, Egypt. During this period I could accredit the center for the **International Computer Driving License “ICDL” program**
9. **From April 1996 to June 2002:** Assistant Professor at the Electrical Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.
10. **From January 1998 to September 2001:** Research visitor at the research institute for software technology, university of Salzburg, Salzburg, Austria. In the year 2000, I worked with the SalzburgResearch (SunTrec group) in implementing some Java and security applications.
11. **From March 1996 to March 1997:** An assistant professor at the Electrical Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.
12. **From March 1988 to March 1996:** A teaching assistant at the Electrical Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt.
13. **At the same period:** Working for my Ph.D. degree at the Electrical Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt. A part of this study was carried out at the

Electronics Engineering Laboratories, University of Kent at Canterbury, Kent, England in the period (March 1991 to March 1993).

14. **From March 1986 to March 1988:** A demonstrator at the Electrical Engineering Department, Faculty of Engineering, Minia University, Minia, Egypt. **At the same period:** Working for my M.Sc degree at the Electrical Engineering Department, Faculty of Engineering, Cairo University, Cairo, Egypt.

5. Research profile

My research is in the areas:

- 1) Cryptography and information security;
- 2) Design of smart card systems;
- 3) Fiber Optic Networks
- 4) Data compression,
- 5) Image processing,
- 6) Software engineering,
- 7) Biomedical engineering,
- 8) Educational fields and applications
- 9) AI applications

The published work is as follows:

1. Rehan A. Yousef, Alyaa A. Hamza and Kamel H. Rahouma (2026): "Towards privacy-preserving and real-time GNSS interference detection in ADS-B systems using CNN", Neural Computing and Applications, March 2026.
2. Alyaa A. Hamza, Reham H. Yousef and Kamel H. Rahouma (2025): Enhancing aviation safety and efficiency: applying artificial intelligence (AI) to address navigational challenges, Neural Computing and Applications, August 2025.
3. Rabab H. Mohamed and Kamel H. Rahouma (2025): Research for Big Data Storage and Analysis Based on Artificial Intelligence, Journal of Advanced Engineering Trends, June 2025.
4. Radwa Khalid, Hossam M. Moftah, Fahad K. Alsheref, Adel S. Assiri, Kamel H. Rahouma and Mohammed Kayed (2025): Boosting Deepfake Detection Accuracy with Unsharp Masking and EfficientNet Models, International Journal of Advanced Computer Science and Applications, Jan. 2025.
5. Ola M. Hashem, Kamel H. Rahouma and Nagwa S. Abdel Hameed (2025): Enhancing Quality Factors in Data Warehousing Through Study and Improvement, Journal of Advanced Engineering Trends, Jan. 2025.
6. Kamel H. Rahouma, Ahmad S. Abdel Latif and Kadry A. Ezzat (2025): Automatic knee anterior cruciate ligament torn diagnosis using CNN-XGBoost, International Journal of Medical Engineering and Informatics, Jan. 2025.
7. Mona Shouman, Kamel Hussein Rahouma and Hesham F. A. Hamed (2024): "Automatic segmentation, classification, and prediction of pelvic bone tumors using deep learning techniques", Journal of Engineering and Applied Science, 71(1), DOI: 10.1186/s44147-024-00551-2
8. Ayman Ali, Ahmad Ashraf and Kamel H. Rahouma (2024): Machine Learning-Enhanced Anomaly Detection in Healthcare Monitoring: A Survey, Proceedings of the 6th Novel Intelligent and Leading Emerging Sciences Conference (NILES), October 2024, DOI: 10.1109/NILES63360.2024.10753231
9. Ayman Ali, Ahmad Ashraf and Kamel H. Rahouma (2024): Exploring Explainable Machine Learning in Early Liver Disease Detection: Insights from Fatty Liver and Hepatitis B, Proceedings of the 6th Novel Intelligent and Leading Emerging Sciences Conference (NILES), October 2024, DOI: 10.1109/NILES63360.2024.10753231

10. Shaimaa Kamal and Kamel H. Rahouma (2024): Deep transfer learning classification of apple fruit diseases, Indonesian Journal of Electrical Engineering and Computer Science, DOI: 10.11591/ijeecs.v35.i3.pp1556-1564
11. Hany Mahany, Ali Mahmoud Rashed, Kamel H Rahouma, Ahmed Abd El-Aziz kolkila, and Maha Medhat Hassan (2024): An Internet of Things (IoT) System for Monitoring and Controlling Water Distribution Stations in Remote Areas, AlAzhar University Engineering Journal, DOI: 10.21608/aej.2024.250711.1516
12. Mona Mousa Shouma, Hesham Fathi Hamde and Kamel H. Rahouma (2024): A REVIEW OF THE COLLECTION OF IMAGE RADIOGRAPHIC FEATURES OF PELVIC BONE TUMORS, Journal of Advanced Engineering Trends, 43(2):157-177, DOI: 10.21608/jaet.2023.189202.1236
13. Kamel H. Rahouma, Shahenda Mahmoud and Mohamed Aouf (2024): Principles and Applications of Deoxyribonucleic Acid Computing: A Brief Review, Journal of Advanced Engineering Trends, DOI: 10.21608/jaet.2023.214738.1250
14. Kamel H. Rahouma, Shahenda Mahmoud and Mohamed Aouf (2024): Automated 3D convolutional neural network architecture design using genetic algorithm for pulmonary nodule classification, Bulletin of Electrical Engineering and Informatics, 13(3):2009-2018, DOI: 10.11591/eei.v13i3.6828
15. Ahmed Salama, Kamel H. Rahouma and Fatma ElZahraa Mansour (2024): Knee osteoarthritis automatic detection using U-Net, IAES International Journal of Artificial Intelligence (IJ-AI), 13(2):2122, DOI: 10.11591/ijai.v13.i2.pp2122-2130
16. Ahmed abd el moaty mohamed gouda, Kamel Hussein Rahouma and ahmed abd el-baset donkol (2024): "Genetic Optimization for Self-Driving Vehicles Using Automated Behavior Cloning based on Convolutional Neural Network", Journal of Advanced Engineering Trends (JAET), Vol 43, No. 1, pp. 311-318.
17. Mona Mussa Shouma, Kamel H. Rahouma and Hesham Fathy Aly Hamed (2024): A deep learning-based system for accurate diagnosis of pelvic bone tumors, Bulletin of Electrical Engineering and Informatics, 13(3):1802-1813, DOI: 10.11591/eei.v13i3.6861
18. Wael Z. Tawfik, Samar N Mohammad, Kamel H Rahouma, Gerges M. Salama and Emad Tammam (2024): Machine Learning Models for Capacitance Prediction of Porous Carbon-Based Supercapacitor Electrodes, Physica Scripta 99(2), DOI: 10.1088/1402-4896/ad190c
19. Eslam Hussein Sayed, Amerah Alabrah, Kamel H Rahouma, Muhammad Zohaib and Rasha M Badry (2024): Machine Learning and Deep Learning for Loan Prediction in Banking: Exploring Ensemble Methods and Data Balancing, IEEE Access (99), DOI: 10.1109/ACCESS.2024.3509774
20. Kamel Hussein Rahouma and Walaa Ibrahim Khalid (2024): Design of a Simple Monitoring System for Water Distribution Stations and Companies. The Journal of Advanced Engineering Trends, (JAET), Vol 43, No. 1, pp. 1-9.
21. Ahmad ElMarady and Kamel Hussein Rahouma (2024): High Accuracy Next Generation Air Traffic Surveillance System with Potential Cyber-Attacks, The Journal of Advanced Engineering Trends, (JAET), Vol 43, No. 1, pp. 123-132.
22. Ibrahim Moahmed Amer; Kamel Rahouma; Attia Abd AlFattah Shahin (2024): "Remote sensing Image processing, DEEP learning Classification algorithms survey and review", The Journal of Advanced Engineering Trends, (JAET), Vol 43, No. 1, pp. 239-267.
23. Hamed, Rabab M. Aly, Kamel Hussien Rahouma and Aziza I.Hussein (2023). Design and Optimization of PID Controller based on Metaheuristic algorithms for Hybrid Robots, Proceedings of the 20th Learning and Technology Conference, (L&T 2023), Effat University in Jeddah, Saudi Arabia, to be published in IEEE Xplore.
24. Salah, Ibrahim, M. Mourad Mabrook , Kamel Hussein Rahouma, and Aziza I. Hussein (2023). Throughput, Spectral, and Energy Efficiency of 5G Massive MIMO Applications Using Different Linear Precoding Schemes, International Journal of Electronics and Communications, Vol. 69, No. 1, pp. 189-194.

25. Ali, Rabab H. M., Aziza I. Hussein and Kamel H. Rahouma (2023). Grasshopper KUWAHARA and Gradient Boosting Tree for Optimal Features Classifications, *Computers, Materials and Continua*, 72(2), pp. 3985-3997.
26. Saeed, Mohamed and Kamel H. Rahouma (2023). An Internet of Things and Hybrid Artificial Intelligence Model to produce Renewable Energy, Accepted for publishing in *International Journal of Intelligent Engineering and Systems (IJIES)*.
27. Menna Mahmoud, Kamel H. Rahouma and Khalid S. Nasr (2022). Design and Implementation of Light Fidelity Communication Systems. *Journal of Advanced Engineering Trends*, 42(1), 173-180.
28. Amira Ibrahim, Kamel H. Rahuma, Hesham F A Hamed (2022). Deep Neural Network for Breast Tumor Classification Through Histopathological Image. *Journal of Advanced Engineering Trends*, 42(1), 121-129.
29. Murad, Serif and Kamel H. Rahouma (2022). Hybrid Cryptography for Cloud Security: Methodologies and Designs, In Book: *Digital Transformation Technology*, DOI: 10.1007/978-981-16-2275-5_7
30. Yahya, Eman, Kamel H. Rahouma and Hanafy Mahmoud Ali (2022). Design and Simulation of Non-Invasive Microwave Antenna for Hyperthermia Lipolysis Scheme. *Journal of Advanced Engineering Trends*, 42(1), 1:13.
31. Rahouma, K. Hussein and Aya S. A. Mostafa (2022). Location Estimation of Multiple Emitting RF Sources Using Supervised Machine Learning Technique. *International Journal of Engineering Trends and Technology*, 70(10) pp 428-437.
32. Murad, S.H., Rahouma, K.H. (2022). Hybrid Cryptography for Cloud Security: Methodologies and Designs. In: Magdi, D.A., Helmy, Y.K., Mamdouh, M., Joshi, A. (eds) *Digital Transformation Technology. Lecture Notes in Networks and Systems*, vol 224. Springer, Singapore. https://doi.org/10.1007/978-981-16-2275-5_7
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35. Rahouma, K. Hussein, Asmaa Ragab Ibrahim and Yahia B. Hassan (2022). Design and Implementation of a Surveillance Smart Home Robot. *Egyptian Computer Science Journal* Vol. 46 No.2 September 2022 ISSN-1110-2586 54-67
36. Ahmed AbdelWahab ElMarady and Kamel Rahouma, "Studying Cybersecurity in Civil Aviation, Including Developing and Applying Aviation Cybersecurity Risk Assessment", *IEEE Access*, vol. 9, pp. 143997–144016, 2021
37. Ahmed AbdelWahab ElMarady and Kamel Rahouma, "Actual TDoA-based augmentation system for enhancing cybersecurity in ADS-B", *Chinese Journal of Aeronautics*, (2021), 34(2): 217–228.
38. Salah, I., M. Mourad, Kamel H. Rahouma and Azizah Hussein (2022). Energy efficiency optimization in adaptive massive MIMO networks for 5G applications using genetic algorithm. *Optical and Quantum Electronics* 54(2), pp 1-10.
39. Ezzat, Kadry A. Ahmed S. Abdel Latif and Kamel H. Rahouma (2022). Automatic knee anterior cruciate ligament torn diagnosis using CNN-XGBoost. *International Journal of Medical Engineering and Informatics*, 1(1).
40. Rahouma, Kamel H. and Ayman Ali (2022). Applying Machine Learning Technology to Perform Automatic Provisioning of the Optical Transport Network. In Book: *The 8th International Conference on Advanced Machine Learning and Technologies and Applications (AMTLTA2022)*.
41. A. ElMarady and K. H. Rahouma, "The Impact of COVID-19 on the Cybersecurity in Civil Aviation: Review and Analysis," *Proceedings of the 2022 International Telecommunications Conference (IEEE ITC)*, Alexandria, Egypt, 26-28 July 2022, pp. 1-6, doi: 10.1109/ITC-

42. Kamel Rahouma, Safwat Mohamed Ramzy, Mahmoud Aly (2022): Machine Learning Models Against Virus Changes: A Long Term Detector of COVID-19 using the Clinical Features and Respiratory Sounds, to appear in the Journal of Advanced Engineering Trends, Faculty of Engineering, Minia University, Manuscript ID: JAET-2204-1149
43. Mahmoud Aly, Kamel H. Rahouma and Safwat Mohamed Ramzy (2022): Pay attention to the speech: COVID-19 diagnosis using machine learning and crowdsourced respiratory and speech recordings, Alexandria Engineering Journal, Vol 61, pp. 3487-3500.
44. Rahouma, K. H.; Ahamad Salama (2021): "Knee Images Classification using Transfer Learning", Elsevier Procedia Computer Science, Vol 194, PP. 9-21.
45. Rahouma, K. H.; Shahenda M. Mabrouk and Mohamad Ouf (2021): "Lung Cancer Diagnosis Based on Chan-Vese Active Contour and Polynomial Neural Network", Elsevier Procedia Computer Science, Vol 194, PP. 22-31.
46. Rahouma, K. H.; Amal Z. Mahfouz (2021): "Design and Implementation of a Face Recognition System Based on API mobile vision and Normalized Features of Still Images", Elsevier Procedia Computer Science, Vol 194, PP. 32-44.
47. Sherif H. Murad and Rahouma, K. H. (2021): "Implementation and Performance Analysis of Hybrid Cryptographic Schemes applied in Cloud Computing Environment", Elsevier Procedia Computer Science, Vol 194, PP. 165-172.
48. Mohamad Murad; Ibrahim Salah, Azia Ibrahim and Rahouma, K. H. (2021): "Energy Efficiency Optimization based adaptive massive MIMO in 5G Networks", Elsevier Procedia Computer Science, Vol 182, PP. 150-158.
49. Aly, Rabab H. M. and Kamel H. Rahouma (2021). COVID-19 Outbreak Learning Prediction Based on Swarm Intelligence Model "Chaotic Fruit Fly Algorithm Followed by Activation Function", In book: Advanced Machine Learning Technologies and Applications, Proceedings of AMLTA 2021.
50. Afify, Farag M. and Kamel H. Rahouma (2021). Applying Machine Learning for Securing Data Storage Using Random DNA Sequences and Pseudo-Random Sequence Generators, In book: Advanced Machine Learning Technologies and Applications, Proceedings of AMLTA 2021
51. Abdelghani, Faten, Kamel H. Rahouma and Yahya B. Hassan (2021). Design and Implementation of a Web-DNA-Based Security Provider Using Python. In a book: Hassanien AE, Chang, KC, Mincong T. (Eds.) Advanced Machine Learning Techniques and Applications, AMALTA 2021. Advances in Intelligent Systems and Computing, Vol. 1339, Springer, Cham, pp. 1131-1140.
52. Kamel H. Rahouma and Rafik W. Gerges, "Size-Based Design and simulation of a simple practical Fiber-To-The-Home (FTTH) optical access network", Egyptian Computer Science Journal Vol. 44, No.3 September 2020, pp. 1-23.
<http://ecsjournal.org/Archive/Volume44/Issue3/1.pdf>
53. Kamel H. Rahouma. Mostafa M. Rahouma and Khalid S. Salih, "A Programming Algorithm for Smart Multi-Application Card", Egyptian Computer Science Journal Vol. 44 No.3 September 2020, pp. 60-72. <http://ecsjournal.org/Archive/Volume44/Issue3/4.pdf>
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55. Kamel H. Rahouma, Samaa A. Mohamed, and Nagwa S. Abdel Hameed. (2020). A Mathematical Model for Detection of Railway Track Cracks Based on the Track Signaling System. Egyptian Computer Science Journal. 44(2). pp 32-50. URL: <http://ecsjournal.org/Archive/Volume44/Issue2/4.pdf>
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58. Kamel H Rahouma and Ayman Ali "Applying Smart Security Model to Protect the client Services from the Threats of the Optical Network" In Advancements in Security and Privacy Initiatives for Multimedia Images, IGI Global Publisher, 2021.
59. Rahouma, K. H.; Rabab Ali and Hesham F.A. Hamed: "Challenges and Solutions of Using the Social Internet of Things in Healthcare and Medical Solutions (A Survey)", in Hassanien, A., Bhatnagar, R., Khalifa, N., Taha, M. (eds) "Toward Social Internet of Things (SIoT): Enabling Technologies, Architectures and Applications", Studies in Computational Intelligence V. 846 by Springer Nature.
60. Rahouma, K. H.; Rabab Ali and Hesham F.A. Hamed (2019): "Brain Cancer Diagnosis and Prediction Based on Neural Gas Network and Adaptive Neuro Fuzzy", *Procedia Computer Science*. Volume 163, 2019, Pages 518-526.
61. Rahouma, K. H.; Farag Afify and Hesham F.A. Hamed (2019): "Design of a New Automated Fault Detector based on artificial intelligence and Big Data Techniques", *Procedia Computer Science*, Volume 163, Pages 460-471.
62. Rahouma, K. H. and Ayman Ali ((2019): "Applying Machine Learning Technology to Optimize the Operational Cost of the Egyptian Optical Network", *Procedia Computer Science*, Volume 163, 2019, Pages 502-517
63. Rahouma, K. H. and Ayman Ali: "Applying Intrusion Detection and Response systems for securing the Client Data Signals in the Egyptian Optical Network", *Procedia Computer Science*, Volume 163, 2019, Pages 538-549.
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in Telecommunications and Control Engineering (ATTCE 2006), held in the School of Engineering and Technology, INTI College, Malaysia (28-29 August 2006). Also, the paper is presented and publishing in the proceedings of the International Technical Conference held by the General Organization of the Technical Education and Professional Training in Riyadh, Saudi Arabia (Dec. 2006).

83. Rahouma, K.H. and Mandour, I.M (2006): "Design of Computer Based Instruction in Light of the Constructivism Theory", Presented and published in the proceedings of the International Symposium on Information and Communications Technologies (M2USIC 2006), Organized by the Multi-Media University, Malaysia, (16-17 Nov. 2006).
84. Rahouma, K.H. and Mandour, I.M. (2006): "The Role of Computer Based Instructional Media and Computer Graphics in Instruction", Accepted for presentation and publishing in the proceedings of the International Symposium on Information and Communications Technologies (M2USIC 2006), Organized by the Multi-Media University, Malaysia, (16-17 Nov. 2006).
85. Rahouma, K.H. (2006): "Design and Implementation of a Digital Multi-Signature System", published in the Journal of Computer Science, the Egyptian Computer Society, Egypt, Jan, 2006.
86. Rahouma, K.H. (2005): "Building a Java Security Provider", presented and published in the proceedings of the Minia International Engineering Conference held in Minia university, Minia, Egypt in April 2005.
87. Rahouma, K.H. (2005): "A Computer System for Minia University Restaurants: Reserving and Expending the Meals: Part (I)" presented and published in the proceedings of the Minia International Environmental Conference held in Minia university, Minia, Egypt in March 2005.
88. Mandour, I. And Rahouma, K.H. (2004): "The Open University and The open Learning in light of the New Communication Media", Presented and published in the Seventh Scientific Conference of the Faculty of Education, Minia University, Minia Egypt in the period 27-28 of April, 2004.
89. Rahouma, K.H.: "A Jini-Bluetooth combination for global device networking", Presented and published in the engineering conference of the faculty of engineering, Minia university, held in 16-18 March 2002.
90. Rahouma, K.H. and Zinterhof, P. (2001): "Developing a Hypertext Guide Program for Teaching the Simple Tasks of Maintaining and Troubleshooting the Educational Equipment", Journal of Annals of Cases on Information Technology (ACIT), Vol. (IV) Nov. 2001, IDEA group publisher, Hershey (USA) / London (UK).
91. Rahouma, K.H. and Zinterhof, P. (2001): "A Hypertext Platform for the Maintenance/Troubleshooting of the Educational Equipment for the Educational Technologists", Proceedings of the 13th International conference on systems research informatics and cybernetics, Baden-Baden, Germany, July 31st - August 5th, 2001. This paper has been selected for the best paper award of the International Institute of Advanced Studies In Systems Research and Cybernetics.
92. Rahouma, K.H. and Zinterhof, P. (2001): "State of the art in hardware and software support for Jini technology", Proceedings of the Applied Telecommunication Symposium, 23(3), in Washington, USA, April 22-26 2001, Simulation Councils, Inc., 2001.
93. Rahouma, K.H. (2000): "Implementation of a Chaotic Java Program for Securing the Computer Files with Fixed and Changeable Sequence Lengths", Presented and published in the proceedings of the IEEE Conference on E-Technologies-Vision and Challenges, November 2000, Karachi, Pakistan.
94. Rahouma, K.H. (2000): "Utilization of multiple block cipher hashing in authentication and digital signatures", Presented and published in the proceedings of the IEEE Conference on E-Technologies-Vision and Challenges, November 2000, Karachi, Pakistan.
95. Rahouma, K.H.; Zinterhof, P. and Astleitner, H. (2000): "Hypertext: Some general aspects and considerations", Proceedings of the 12th International conference on systems research information and cybernetics held in Baden-Baden, Germany from July 31st to August 5th, 2000. This paper has got the best paper award of the International Institute of Advanced Studies In Systems Research and Cybernetics

96. Rahouma, K.H. and Zinterhof, P. (2000): "An authentication and digital signature scheme based on block cipher hashing and RSA cryptography", Presented and published in the proceedings of the Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS2000), Vancouver, BC., Canada, July 16-20, 2000.
97. Rahouma, K.H. (2000): "Design of a new smart card system with delicate properties for computer money", Bulletin of the faculty of engineering, Minia university, Egypt, 19 (1), June, 2000.
98. Rahouma, K.H (2000): "A chaos-based stream cipher algorithm for high speed networks and real time applications", Presented and published in the proceedings of the applied telecommunication symposium, part of the 2000 advanced simulation technologies conference (ASTC2000), April 16-20, 2000, Washington, D.C. USA.
99. Rahouma, K.H (2000): "Design of an international multi-purpose smart card system", Presented and published in the proceedings of the 2nd international conference on advanced communications technology (ICACT2000), Feb. 16-18, 2000, Seoul, Korea.
100. Rahouma, K.H. and Zinterhof, P. (1999): "A new design for smart card systems for two card instant cash and money transfer", Presented and published in the proceedings of the workshop on agencies in E-commerce, Kowloon Tong, Hong Kong, 14-17 December 1999.
101. Rahouma, K.H (1999): "Developing a new everything changeable block ciphering cryptosystem (ETCBC) for data and computer security", Presented and published in the proceedings of the IEEE conference on Millennium technologies, November 1999, Karachi, Paksitan.
102. Rahouma, K.H.; Astleitner, H. and Zinterhof, P. (1999): "Developing a hypertext tutorial platform for microcomputer maintenance and troubleshooting", Proceedings of the 11th International Symposium on Intelligent Multimedia and Distance Education ISIMADE, Baden-Baden, Germany, 2-7 August, 1999.
103. Rahouma, K.H. (1999): "A data security block ciphering cryptosystem with pseudo - randomly changeable lengths, permutations, substitution, and arrangements", Presented in the applied telecommunication symposium, San Diego, USA, April 1999. This paper could not be included in the proceedings of the conference.
104. Rahouma, K.H. and Zinterhof, P. (1999): "A data security block cipher cryptosystem with pseudo-random permutations and substitutions", Presented and published in the proceedings of the 7th international conference on telecommunications systems, modeling and analysis, March 1999, Nashville, Tennessee, USA.
105. Rahouma, K.H (1999): "A block cipher technique for security of data and computer networks", Presented and published in the proceedings of the Internet workshop '99 (IW'99) Febuary 1999, Osaka, Japan.
106. Rahouma, K.H. (1998): "A Data Security System with 192-bits Block Ciphering Approach", Presented in the International conference on Coding Theory, Cryptography and Related Areas, Guanajuato, Mexico, April 1998. This paper could not be included in the proceedings of the conference.
107. Rahouma, K.H (1997): "A 64-bits block ciphering technique for data security", Bulletin of the Faculty of Engineering, Minia University, Egypt, 16 (1), June, 1997.
108. Rahouma, K.H. (1997): "A novel changeable length block ciphering approach for data and computer security", Presented in the 54th workshop on general Algebra from May 29 - June 1, 1997, University of Klagenfurt, Austria. This paper could not be included in the proceedings of the conference.
109. Rahouma, K.H (1997): A new system for block cipher data cryptology, Presented and published in the proceedings of the 2nd international engineering conference, Mansoura university, Mansoura, Egypt, 8-10 April, 1997.
110. Rahouma, K.H. (1997): "A new technique for analog and digital speech scrambling", Proc. of the 2nd international scientific engineering conference, Mansoura University, Mansoura, Egypt, March, 1997.

6. Postgraduate Research Supervision

I'm supervising more than 45 postgraduate students towards the degrees of master or Ph.D. About 35 students of them have already finished their work and they are have been awarded their degrees. In the following some of these students:

1. An M.Sc. research under the title: "Diagnosis of heart diseases and prediction of its performance using heart beats by MATLAB" by Rabab Mohammad, Faculty of Engineering, Minia University (Finished in 2017).
2. A Ph.D. research under the title: "Improving energy consumption needed for big data operations" by Farag Mahmoud Afify, Faculty of Engineering, Minia University, (finished in 2023).
3. A Ph.D. research under the title: "Design and Simulation of 4G regional networks using C-RAN Model with secured Networks" by Ayman Al Maasarawi, Faculty of Engineering, Minia University (finished in 2023).
4. A Ph.D. research under the title: "Balancing between security and quality of service in wireless networks", by Mona Sayed Abdul Karim, Faculty of Engineering, Minia University (finished in 2023).
5. A Ph.D. research under the title: "Design and Analysis of a 3D Moving RF Emitter Geolocation System Utilizing Moving RF Sensors" by Aya Sami Ali Mostafa, Faculty of Engineering, Minia University (finished in 2023).
6. A Ph.D. research under the title: "Developing secure authentication protocols for mobile devices" by Amal Zarif Mahfouz, Faculty of Engineering, Minia University (finished in 2022).
7. An M.Sc. research under the title: "Design and Implementation of a DNA based security provider using Python" by Faten Mohammed, Faculty of Engineering, Minia University (finished in 2022).
8. An M.Sc. research under the title: "An antenna based detection system for the rail way abnormal problems" by Samaa Ahmad, Faculty of Engineering, Minia University (finished in 2022).
9. An M.Sc. research under the title: "Design of Li-Fi communication based home networks" by Mennatullah Mohammad Gamal Eldeen, Faculty of Engineering, Minia University (finished in 2022).
10. An M.Sc. research under the title: "Applying visible light communication for vehicle networks" by Reham Mohammad Darwish, Faculty of Engineering, Minia University (finished in 2022).
11. An M.Sc. research under the title: "Design and implementation of a microwave antenna system for fat tissues" by Eman Yahya, Faculty of Engineering, Minia University (finished in 2022).
12. A Ph.D. research under the title: "Analysis of the relationship between the heart and brain using deep learning techniques" by Rabab Mohammad, Faculty of Engineering, Minia University, (Finished in 2019).
13. An M.Sc. research under the title: "Analysis of the optical path for diagnosis of sight problems" by Marwa Medhat, Faculty of Engineering, Minia University (Finished in 2019).
14. An M.Sc. research under the title: "The effectiveness of varying the screen design of the multimedia programs on the achievement of the preparatory students", A Master degree project carried out by Salwa Safwat, Faculty of Education, Ain-Shams University (finished in 2012).
15. An M.Sc. research under the title: "Building a firewall for protection of computer networks", A master degree project carried out by Khalid Sayed Salish, Faculty of Engineering, Minia University (finished in 2008).
16. A Ph.D. research under the title: "Design and implementation of a DNA computer" by Shahenda Mahmoud, Faculty of Engineering, Minia University, (Still continuing).
17. A Ph.D. research under the title: "Improved SCADA for Power System Networks over the WAN Network" by Mohammad Hussein, Faculty of Engineering, Minia University (Still continuing).

18. An M.Sc. research under the title: "Design and simulation of multi-purpose smart card systems " by Mostafa Mohammad Rahouma, Faculty of Engineering, Minia University (Still continuing).

7. Team work

1. Currently head of the computer science department and the president of the computer science program in AlObour Institute of computers, management and information systems in AlObour, Cairo, Egypt.
2. I was the vice dean of the faculty of computer science, Nahda University, in Beni Suef, Egypt.
3. I worked as a team member of the strategic plan (1437 – 1442H) of the faculty of sciences and art, Al Qassim University Saudi Arabia.
4. I was the Vice Dean of quality Assurance of the faculty of sciences and arts, Al Qassim University, Saudi Arabia (2011-2012)> I was the leader of the team worked for quality assurance and accreditation.
5. I was the head of the department of computer science, faculty of sciences and arts, Al Qassim University, Saudi Arabia (2011-2016)
6. I was the coordinator of the computer science program, faculty of sciences and arts, Al Qassim University, Saudi Arabia (2012-2016).
7. I was the vice Dean of the technical college in Qwayiyah, Saudi Arabia (2008-2010)
8. I was the executive manager of IT center of Minia University (2002-2004)
9. I was the manager of the ICDL training and examinations in the IT center of Minia University (2003-2004)

8. A Computer Programmer

- a) The author of the program of meal discharging in the main restaurant of Minia University (2003).
- b) The program of connecting the pharmacies of Minia University colleges.
- c) **The program of employees' affairs in Minia University**
- d) **The author of the program of students' results in the girls' college in Qwayiyah (2009)**
- e) The author of the program of electronic tests applied in the faculty of sciences and arts, Al Qassim University, Saudi Arabia (2014-2015).
- f) A JAVA program for file encryption and decryption. This program was done as a part of a paper about compression and it can be used to encrypt any type of computer files and decrypt it again without any errors. Like any JAVA program, the source code of the program was published in the paper (Please, refer to the list of publications).
- g) **A visual basic program** for computing and preparing the salaries of the employees in one of sectors of Minia governorate.

9. Administrative students' affairs assignments

In the period (April 1996 - March 1997) I was:

1. **A member** of the student affair board branched from the council of the faculty of engineering, Minia university.
2. **Joining some technical committees** for the installation of scientific laboratories in different faculties in Minia university (Faculty of Literature, Faculty of Alsons (Linguistics),, etc.).
3. **Joining some technical committees** for writing down the specifications and standards of purchasing some telephone central in different places in Minia university.
4. **Investigating and reporting the technical situation** of some of the telephone central in
5. different places in Minia university.

10. Teaching and training Activities

Since Feb. 1986 to now, I have been working and teaching in the department of Electrical Engineering, Minia university, Egypt. Also, I was teaching in the technical college in Benisuef. Moreover, I was teaching in the technical college in Quwayiyah, Saudi Arabia. Added to that, I had some other teaching

and training activities out side the university. These activities of teaching and training in and outside the university are shown in the following:

10.1. I lectured and trained on the following courses

Telephony systems	Engineering mathematics	Communication systems
Communications theory	Electrical engineering	Digital Communications
Design of Digital Circuits	Electronic Circuits.	Numerical analysis
Computer Networks.	Electric Circuits	Computer Maintenance
Network Management	Network Security	Data and Information Security
Artificial Intelligence	Basic Programming	Programming Techniques
PLC Systems Design	Elementary Physics	Java Programming and Applications
Power Electronics	Searching Techniques	Automatic control Theory & Systems
Image processing	Computer vission	File processing and organization
Discrete Mathematics	Differential equations	Industrial saftey.

10.2. I have supervised the following B.Sc. graduation Projects:

I have supervised many graduation projects in different departments in Egypt and Saudi Arabia such as:

1. Faculty of Engineering, Minia University, Minia, Egypt.
2. Faculty of Computer Science, Nahda University in Beni Suef, Beni Suef, Egypt.
3. Al Obour higher institute of computers, administration and information systems
4. Minia higher institute of computers, administration and information systems
5. Faculty of Science and Arts in Oklat Assoqour, Al Qassim University, Al Qassim, Saudi Arabia.
6. Technical College in Quatiyah, Quayiyiah, Saud Arabia
7. Faculty of Specific Education, Ain Shams University, Cairo, Egypt

10.3. I assisted in teaching and training on the following courses (before my Ph.D.)

Mathematics	Electrical engineering	Communication systems
Communications theory	Digital and logic design	Numerical analysis
Engineering mathematics	Electronics	Control Systems
Digital Control	Basic programming	Fortran.Programming

10.4. I trained the following computer courses in- and out-side the University

DOS - Computer programming - Windows - Ener graphic - WinWord - Maintenance - Wordstar - HTML - Harvard graphics

11. Conference and journals membership

A Chartered Engineer according the regulations of the Institute of Electrical Engineering (IEE) in the UK. Im a TCP member and a reviewer, since 2000 till now, in many international conferences and journals of scientific well sounded and known societies such as:

IEEE Society

A member of the Engineering Council in the UK in 1992-1993.

An associate member of the Institute for Electrical Engineers (IEE) in the UK in 1991-1993.

A member of the Society for Computer Simulation Int. (SCS) in San Diego, the USA on 1998-2000.

A member of the Institute of Electrical and Electronic Engineering (IEEE), the USA in 1998.

A member of the association of Egyptian engineers in Cairo, Egypt.

A member of the WSEAS Organization (<http://www.wseas.org>).

A member of the IRMA Organization (www.IRMA.org).

A member of the Egyptian Society of Computer Science.

A member and/or a reviewer of some individual conferences and journals locally and internationally (for short periods) such as:

12. Referees:

1. Professor Hesham Fathi Ali Hamed, Professor of Electronics, Department of Electrical Engineering and xDean of the Faculty of Engineering, Minia, University, Minia, Egypt. Mobile: 00201112399543 – 00201092083835 email: hfah66@yahoo.com
2. Professor Yahya Sayed Mohammad Professor and Head of the Department of Electrical Engineering, Minia, University, Minia, Egypt. Mobile: 00201148728419 – email: dr.yehia60@yahoo.com
3. Professor Abdul-Badee Salem, xVice Dean of the Faculty of Computers and Information Technology, Ain-Shams University, Cairo, Egypt (Mobile: 00201222182645), email: abmsalem@yahoo.com
4. Professor Abou Ella Hassaneen, xDean of the Faculty of Computers and Information Technology, Beni Suef University, Beni Suef, Egypt and the founder of the Scientific Research Group “SRG” in Egypt (Mobile: 00201114567956), email: aboitcairo@gmail.com, srge1964@gmail.com.

Note: You can get some links giving some of my given contributions from the search engine of google by searching for "kamel hussein rahouma".

UNIVERSITÄT SALZBURG

Naturwissenschaftliche Fakultät
Studiendekan

Salzburg, den 28-May-2001
Hellbrunner Straße 34,
5020 Salzburg
Austria
Phone: (+43) 0662 8044-5103
Fax: (+43) 0662 8044-616
DVR 0079481

Zahl: 185/2000

Mr.
Kamel Hussein Abdel Razik RAHOUMA
Glaserstraße 2/1/4
A-5020 Salzburg

NOTICE OF AWARD

Decision

Having passed all the examinations stipulated in the relevant curriculum, as well as having submitted a doctoral thesis approved by the examiners, Mr.

Kamel Hussein Abdel Razik RAHOUMA

Date of Birth: 19-Dec-1960, Nationality: Egypt,
Registration number: 9760560

is deemed to have successfully completed the course of studies, subject area **APPLIED INFORMATICS (Computer Sciences)**, leading to the award of a Doctor's degree of technical Sciences, and is hereby admitted to the degree of

„Doktor der Technik“

„Doctor technicae“

Abbreviated to: **„Dr.techn.“**

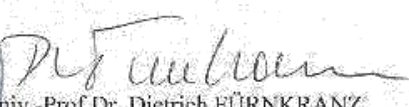
Statutory Based of the Award:

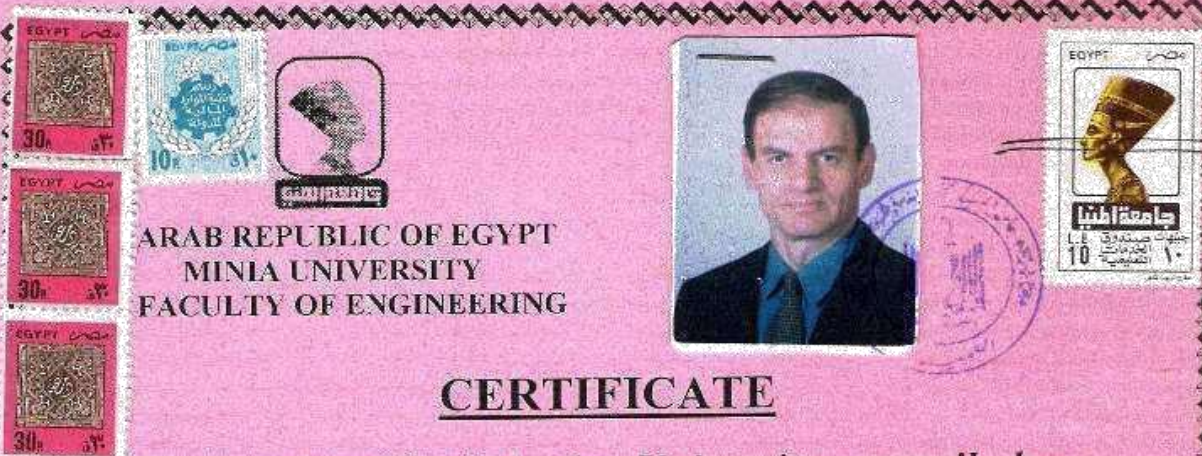
Article 51 and 66 (1 and 3) in combination with Article 81 (1) *Universitäts-Studiengesetz* (University Study Act), as published in the *Bundesgesetzblatt* (Federal Law Gazette) Number I 1997/48, in the current version, and the curriculum for courses of study leading to the award of degrees of Doctor of technical Sciences of 23-Sep-1998, as published in the *Mitteilungsblatt* (University Bulletin) Number 43, for the specific contents of this decision.

Statement of Arguments:

In accordance with Article 58 (2) *Allgemeines Verwaltungsverfahrensgesetz* (Act Concerning General Administrative Procedure) the reasons for this decision do not have to be set forth, because the position of the party concerned has been fully taken into consideration and no prior agreement has been entered into concerning objections or submissions of any party involved.




O. Univ.-Prof. Dr. Dietrich FURNKRANZ
Dean of Studies



CERTIFICATE

This is to certify that the University council has approved on 26/3/1996 the award of the degree

Of Ph.D In Electrical Engineering

To Mr. Kamal Hussein Abdel - Razik Rahouma

As from 19/3/1996 (The date of the approval of the faculty board).

Title of thesis is " Design of Analog and Digital Transmultiplexers "

This certificate is given to the candidate to be submitted towhom it may concern

113893
19/10/2004
Officer in charge
S. Elshikh

Vice Dean
[Signature]

Dean
[Signature]

M. Sader
H. Ibrahim
11-7-2005

CERTIFIED
General Secretary

S. Badawy





FACULTY OF ENGINEERING
Department of Post Graduate Studies

To whom it may concern

This is to certify that engineer : Kamel Hussein Abdel-Razik Hussein Rahouma.

Date of birth : 19 : 12 : 1960.

Place of birth : El-Giza , Egypt

Nationality : Egyptian

Was awarded the Master Degree in engineering :

Field of specialization : Electronics and Communication Engineering.

Subject of research : Digital Control for Electric Drives.

Cairo university ^{PR} "date of award" : 14 : 3 : 1988.

He has completed successfully the following prerequisites courses in partial fulfillment

For this degree :

- | | |
|-------------------------------|--------------|
| - Nonlinear Control Systems. | V.GOOD. |
| - Optimal Control. | Distinction. |
| - Stochastic Control Theory. | Distinction. |
| - Computer Control Systems. | Distinction. |
| - Selected Topics.(1). | Distinction. |
| - Technical English Language. | PASS. |
| - Computer Methods. | PASS. |



This certificate has been issued upon the candidate's request

REGISTRAR



DEAN

(Cairo Univ. Press, 1449-1980-5600 ex)



FACULTY OF ENGINEERING

(Cairo Univ. Publ. & Print. C. 1285-2008-10000 en.)

Subjects	Grade	Hours Per Week Lect. Ex.	Subjects	Grade	Hours Per Week Lect. Ex.
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Preparatory Year 19 79/80

Physics	(GOOD)	4	2
Mathematics	PASS	4	2
Mechanics	VERY GOOD	4	2
Descriptive Geometry	PASS	2	2
Engineering Drawing	PASS	2	2
Chemistry	VERY GOOD	2	2
Production Engineering	PASS	1	1
Introduction to Engineering	VERY GOOD	1	1
Arab Society	xxxx	1	1
Language	(GOOD)	1	1

General Appreciation :

First Year Electrical Eng. 19 80/81

Mathematics	(GOOD)	4	2
Mechanics	xxxx	4	2
Physics	(GOOD)	2	2
Structural Analysis	xxxx	2	2
Civil Engineering	(GOOD)	2	2
Mechanical Engineering	VERY GOOD	2	2
Production Engineering	xxxx	2	2
Engineering Drawing	xxxx	2	2
Electromagnetism	xxxx	2	2
Properties & Strength of Materials	xxxx	2	2
Electromagnetism	xxxx	2	2
Thermodynamics	VERY GOOD	4	2
National Course	DISTINCTION	4	2
Electrical Eng.	VERY GOOD	4	2

General Appreciation :

Second Year Electrical Eng. 19 81/82

Mathematics	DISTINCTION	3	2
Electric & Magnetic Fields	VERY GOOD	3	2
Electrical Circuit Theory	VERY GOOD	3	2
Electronics	(GOOD)	3	2
Theoretical Power Eng.	(GOOD)	3	2
Machine Design	(GOOD)	3	2
General Appreciation :	VERY GOOD	3	2

Mathematics	DISTINCTION	3	2
Electric & Magnetic Fields	VERY GOOD	3	2
Electrical Circuit Theory	VERY GOOD	3	2
Electronics	(GOOD)	3	2
Theoretical Power Eng.	(GOOD)	3	2
Machine Design	(GOOD)	3	2
General Appreciation :	VERY GOOD	3	2

Third Year Electrical (Electronics & Communication) 19 82/83

Mathematics	DISTINCTION	3	2
Linear Systems & Networks	VERY GOOD	3	2
Electronic Devices & Circuits	(GOOD)	3	2
Communication Theory & Systems	VERY GOOD	3	2
Electrical Measurements	(GOOD)	3	2
Electrical Machines	(GOOD)	3	2

General Appreciation :

Fourth Year Electrical (Electronics & Communication) 19 83/84

Electronic Devices & Circuits	VERY GOOD	3	1
Communication Theory & Systems	VERY GOOD	3	1
Control Engineering	VERY GOOD	3	1
Computer Engineering	PASS	3	1
Antennas & Wave Propagation	PASS	3	1
Industrial Electronics	xxxx	3	1
Elective Subject	DISTINCTION	3	1
Project	DISTINCTION	3	1

General Appreciation : VERY GOOD WITH HONOUR DEGREE (77.29%)

This is to certify that Mr. / **KAMEL HUSSEIN ABDEL RAZIK HUSSEIN**
born on **19 12 / 1960** at **GIZA - EGYPTIAN**
Nationality graduated from this faculty in **JULY 1984**

and was granted the Degree of Bachelor of Electronic & Communication Eng.
with a rate of appreciation : **VERY GOOD WITH HONOUR DEGREE (77.29%)**

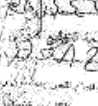
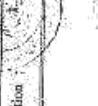
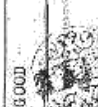
Mentioned above are the rates of appreciation (s obtained in the examinations
during his course of study in the faculty. These details are given to him upon his
request to be substituted to whom it may concern.



Registrar

Dean

3/7/84





إدارة شؤون هيئة التدريس

شهادة خبرة

الاسم :- السيد الاستاذ الدكتور / كامل حسين عبد الرازق حسين

تاريخ وجبة الميلاد :- ١٩٦٠/١٢/١٩ - الجيزة .

المؤهلات الدراسية :-

- ١- بكالوريوس هندسة الالكترونيات دور يوليو ١٩٨٤ بتقدير جيد جدا مع مرتبة الشرف من جامعة القاهرة .
- ٢- ماجستير فى الهندسة " الالكترونيات والاتصالات الكهربائية " بتاريخ ١٩٨٨/٣/١٤ من جامعة القاهرة .
- ٣- دكتوراة الفلسفة فى الهندسة الكهربائية بتاريخ ١٩٩٦/٣/٢٦ من جامعة المنيا .
- ٤- دكتوراة فى علوم الحاسب والمعلوماتية بتاريخ ٢٠٠١/٥/٢٨ من جامعة سالزبورج - النمسا .

القسم :- الهندسة الكهربائية

الكلية :- الهندسة

التدرج الوظيفي :-

- * معيد اعتبارا من ١٩٨٥/١٠/٢١
- * مدرس مساعد اعتبارا من ١٩٨٨/٣/٢٩
- * مدرس اعتبارا من ١٩٩٦/٤/٢٣
- * استاذ مساعد تخصص علوم الحاسب اعتبارا من ٢٠٠٢/٦/٢٥
- * استاذ تخصص علوم الحاسب اعتبارا من ٢٠١٠/٤/١٥ حتى الان .

الموقف من التجنيد : أدى الخدمة العسكرية .

الحالة الاجتماعية :- متزوج ويعول

رقم القسيمة وتاريخها :- ٩٩٣٥٧٠ بتاريخ ٢٠١٧/٣/٢١

أعطيت هذه الشهادة بناء على طلب سيادته .

المختص

كوت

مدير ادارة

شؤون هيئة التدريس

امين عام الجامعة

(م. / توفيق محمد الفتاح)



إفـادة

تشهد كلية العلوم والآداب بعقلة الصقور بجامعة القصيم بالمملكة العربية السعودية بأن سعادة الدكتور/ كامل حسين عبدالرازق رحومة الأستاذ المشارك تخصص "علوم الحاسب" قد عمل بها بالفترة من المحرم 1432 هـ حتى ذي القعدة 1437 هـ وقد تميز في عمله بالكلية بالإخلاص وحسن السيز والسلوك والسمعة الطيبة كما تميز بالتفاني في عمله وأداء ما كلف به من أعباء تدريسية بقسم علوم الحاسب والأقسام الأخرى كما كن متعاوناً في إنجاز ما كلف به من أعمال إدارية ومن هذه الأعمال:

- (1) القام بعمل رئيس قسم علوم الحاسب طوال فترة عمله بالكلية.
- (2) المدير التنفيذي ومنسق برنامج علوم الحاسب طوال فترة عمله بالكلية.
- (3) القام بعمل وكيل الكلية للتخطيط والتطوير والجودة في الفترة 1434/1433 هـ.
- (4) مدير وحدة البحوث في الفترة 1435/1434 هـ.
- (5) مدير وحدة التعليم الإلكتروني في الفترة 1434/1432 هـ.
- (6) أمين المجلس الاستشاري للكلية في الفترة 1437/1433 هـ.
- (7) عضو أساسي في فريق وضع الخطة الاستراتيجية للكلية للسنوات العشر 1442/1432 هـ.
- (8) المشرف الأكاديمي لبرنامج دبلوم الدراسات العليا تخصص "مصادر التعلم" التابع لمركز خدمة المجتمع في الفترة 1435/1432 هـ.
- (9) مدير موقع الكلية على الإنترنت في الفترة 1434/1432 هـ.

• وقد قام سعادته بتدريس العديد من المقررات الدراسية لمرحلة البكالوريوس بقسم علوم الحاسب منها: مبادئ الخوارزميات وبرمجة الحاسبات - التصميم المنطقي - عمارة الحاسب - البرمجة الشبكية - تراكيب محددة - البرمجة المرئية - مبادئ لغات البرمجة - لغة التجميع - تحليل الإشارات والنظم - بحوث العمليات والتطبيقات البرمجية - هندسة البرمجيات - معالجة الصور وتمييز الأنماط - تقنيات الأمثليات - مهارات الاتصال والعرض - الذكاء الاصطناعي - مشروع التخرج.

• كما قام سعادته بتدريس العديد من المقررات بالأقسام الأخرى منها: مقدمة في الحاسب الآلي - تقنيات التعليم ومصادر التعلم - مهارات استخدام الإنترنت - تطبيقات رياضية على الحاسب - معمل الرياضيات.

• كما قام سعادته بتدريس العديد من المقررات الدراسية لمرحلة دبلوم الدراسات العليا "مصادر التعلم" منها: التصميم التعليمي - الفهرسة والتصنيف - تصميم وإنتاج المواد التعليمية - مقدمة في صيانة الحاسب الآلي - العمليات الإلكترونية لمراكز مصادر التعلم - مراكز مصادر التعلم وإدارتها - مصادر التعلم والمعلومات - استخدام الحاسب في إنتاج المواد التعليمية - مقدمة في الشبكات.

هذا وتتمنى له الكلية التوفيق في سنواته المقبلة.

عميد الكلية
د. / جبير بن سليمان الحربي

ملاحظة: قام سعادته بتصميم العديد من برامج الكمبيوتر
المساعدة مثل برنامج الامثليات والاختبارات الإلكترونية



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