

HEGAZI F. M. IBRAHIM, PhD

Associate Professor, Communications and Networks Engineering

Quality Assurance Specialist (National and International Accreditation “ABET”)

CONTACT INFORMATION

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Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=56212495300>

PROFESSIONAL SUMMARY

I am an accomplished Associate Professor in Electrical Engineering, specializing in Communications and Networks, with over a decade of experience driving excellence in advanced research, teaching, and graduate supervision. My expertise spans critical areas including cybersecurity, AI-driven wireless networks, 5G/6G systems, and IoT, with a strong focus on securing these evolving infrastructures. I possess a robust research profile, evidenced by 25+ peer-reviewed publications in high-impact journals and international conferences, many of which address the crucial intersection of cybersecurity and advanced communication technologies. I also bring a proven leadership record in ABET, NAQAAE, and ETEC accreditation, outcomes-based education (OBE), and curriculum development, ensuring robust educational frameworks. As a strategic academic manager and quality assurance expert, I am committed to contributing effectively to the academic mission and strategic growth of the Communications and Networks Engineering Department at Prince Sultan University.

Keywords: Artificial Intelligence, Machine Learning, Deep Learning, 5G, 6G, IoT, Cybersecurity, Cloud Computing, Edge Computing, ABET, NAQAAE, ETEC, OBE, Python, MATLAB, NS-3, OPNET, SPSS, Wireless Communications, Network Optimization, Research Leadership

SKILLS

Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Analytics, Predictive Modeling, Model Optimization, Medical Image Analysis, Wireless Communications, 5G, 6G, LTE, WiMAX, Wireless Sensor Networks, IoT, Cybersecurity, Intrusion Detection, DDoS Detection, Cloud Computing, Edge Computing, Fog Computing, Embedded Systems, FPGA, Microcontrollers, Python, MATLAB, R, C++, NS-3, OPNET, Cisco Network Simulator, SPSS, NumPy, Pandas, Scikit-learn, Outcomes-Based Education (OBE), ABET, NAQAAE, ETEC, Accreditation, Quality Assurance, KPIs, Curriculum Development, Academic Leadership, Research Supervision.

CORE TECHNICAL SKILLS

Artificial Intelligence and Data Science

- Machine learning (supervised, unsupervised, reinforcement learning)
- Deep learning (CNN, RNN, LSTM, attention models)
- Natural language processing (NLP), computer vision, medical image analysis
- Predictive modeling, data analytics, feature engineering, model optimization

Wireless Communications and Networking

- 5G and 6G networks, LTE/LTE-Advanced, WiMAX, GSM, GPRS, CDMA, UMTS, UTRAN
- Wireless sensor networks (WSN), IoT architectures
- Radio resource management (RRM), network planning and optimization
- QoS/QoE optimization for multimedia streaming, network performance analysis, RF planning

Cybersecurity and Network Security

- Intrusion detection systems (IDS), DDoS detection and mitigation
- Secure IoT applications, smart grid security, blockchain-based security solutions
- Cryptographic protocols, data protection, cloud security, privacy frameworks, threat analysis

Cloud, Edge and Embedded Systems

- Cloud platforms: AWS, Microsoft Azure, Google Cloud
- Edge AI, fog computing
- Embedded systems design, microcontroller programming (Raspberry Pi, Arduino)
- FPGA design, VLSI fundamentals, real-time embedded systems

Software, Programming and Simulation Tools

- Programming: Python, MATLAB, R, C++
- Simulation: NS-3, OPNET, Cisco Network Simulator
- Statistical analysis: SPSS, R, advanced Excel
- Scientific computing: NumPy, Pandas, Matplotlib, Scikit-learn
- Cloud-based tools: model deployment, API integration

Accreditation, Quality Assurance and Academic Leadership

- ABET, NAQAAE accreditation “Egypt”, NCAAA standards “KSA”, and JAS “Jordan”
- Outcomes-based education (OBE) implementation
- Program and course learning outcomes (CLO–SO mapping)
- KPIs design and monitoring, self-study reports (SSR)
- Continuous improvement cycles, curriculum evaluation and gap analysis
- Academic quality audits, internal reviews, accreditation visit preparation
- Safety Reports and Guidelines

PROFESSIONAL EXPERIENCE

Associate Professor & Associate Dean for Quality Affairs

College of Information Technology, Isra University - Amman, Jordan
March 2025 - Present

- Lead institutional and program-level ABET international accreditation activities, ensuring full compliance with outcomes-based education (OBE) standards and international quality frameworks.
- Oversee comprehensive quality assurance systems, key performance indicators (KPIs), and continuous improvement cycles across multiple academic programs Design and deliver undergraduate and postgraduate courses in Artificial Intelligence, Computer Science, and Computer Engineering with measurable learning outcomes
- Coordinate internal audits, curriculum reviews, accreditation documentation, and chair academic governance committees
- Supervise faculty development initiatives and ensure compliance with international education quality standards

Assistant Professor - Computer Science

Head of Quality Assurance Unit

Egyptian Chinese University (ECU), Faculty of Computers and Information Systems -
Cairo, Egypt
September 2024 - March 2025

- Designed and delivered courses in Artificial Intelligence, Machine Learning, IoT, and Cybersecurity to undergraduate and postgraduate students
- Supervised 8+ graduation projects and applied research initiatives in AI-driven smart communication systems
- Led curriculum development initiatives aligned with ABET standards and current industry requirements
- Provided comprehensive academic advising, mentorship, and career guidance to undergraduate students
Supported faculty development programs and accreditation readiness initiatives

Assistant Professor - AI Engineering Program

Faculty of Engineering, Mansoura University - Mansoura, Egypt
2024 - 2025

- Delivered advanced courses in AI applications for wireless networks, computational intelligence, and robotics
- Designed and implemented machine learning and deep learning models addressing real-world engineering problems in IoT and wireless communications
Contributed to funded research initiatives in artificial intelligence, Internet of Things, and wireless communications
- Supervised capstone projects and mentored students in research methodology, innovation, and scientific writing

Assistant Professor - Computer and Control Engineering

Faculty of Air Defense, Egyptian Military Academy - Cairo, Egypt

2024 - 2025

- Delivered specialized courses in AI-powered defense systems, radar systems, and digital signal processing to military personnel
- Led research projects in AI-based military communications and advanced cybersecurity applications
- Applied predictive modeling, machine learning, and automation technologies to enhance defense communication systems
- Supervised military-focused applied AI projects aligned with operational requirements

Assistant Professor - Computer Science Department

Quality Assurance Consultant

Faculty of Computer Science, Nahda University - Beni-Suef, Egypt

February 2024 - August 2024

- Taught core courses in Computer Engineering, Embedded Systems, Artificial Intelligence, and related disciplines
- Led research activities in Machine Learning, Deep Learning, and Intelligent Systems with focus on practical applications
- Supported ABET accreditation preparation and documentation processes
Designed and supervised practical laboratory experiments in emerging technologies
- Provided academic advising, career guidance, and mentoring to students

Assistant Professor & Head of ABET and Quality Assurance Unit

Associate Dean for Quality Affairs, Head of Communications and Electronics Engineering Department

Nile Higher Institute for Engineering and Technology - Mansoura, Egypt

2021 - 2024

- Led ABET and NAQAAE accreditation processes, securing full academic program accreditation through 2030
- Designed and implemented strategic academic policies for Communication and Electronics Engineering Program
Modernized course curricula by integrating emerging technologies and industry trends
- Conducted comprehensive institutional self-assessment reports and established continuous improvement plans
Managed and optimized institute's digital learning platforms and online education delivery systems
- Coordinated accreditation documentation, self-study reports, and external review processes

**Lecturer - Electrical Engineering Department
Quality Assurance Coordinator**

College of Engineering, JOUF University - Sakaka, Saudi Arabia
2016 - 2021

- Served as ABET and ETEC Program Coordinator, ensuring full compliance with international accreditation standards
- I taught advanced courses in wireless communication, Internet of Things (IoT), AI applications, and digital signal processing
- Developed innovative research focused on optimizing multimedia streaming over 5G networks
- Supervised senior students in capstone projects, research publications, and thesis development
- Implemented new laboratory experiments and hands-on training programs in emerging technologies

Telecommunication Engineer

NEC Corporation - Kenya, Zambia, South Africa
January 2011 - June 2012

- Designed and optimized LTE, WiMAX, and 3G/4G wireless networks for large-scale telecommunications deployments
- Conducted RF planning, drive testing, and performance optimization to improve network coverage
- Managed network operations center (NOC) operations, real-time monitoring, and troubleshooting activities
- Led cross-functional teams for large-scale telecom network deployments and infrastructure projects
- Delivered network optimization solutions improving coverage, capacity, and quality of service metrics

EDUCATION

Ph.D. in Electrical Communications Engineering - 2018

Mansoura University, Egypt

Dissertation Title: Quality of Access Optimization for Streaming Multimedia Over Wireless Networks

Research Focus: Wireless networks, QoS optimization, multimedia streaming, network performance

Master's degree in electrical communication engineering - 2014

Mansoura University, Egypt

Dissertation Title: Improving QoS of WiMAX-Based IPTV

Research Focus: WiMAX networks, IPTV technology, quality of service optimization

Bachelor of Science in Communication and Electronics Engineering - 2010

Mansoura University, Egypt

Graduation Grade: Very Good with Honors

Graduation Project: Implementation of Biometric System Using FPGA

RESEARCH PUBLICATIONS & SCHOLARLY CONTRIBUTIONS

- Published 25+ peer-reviewed research papers in high-impact journals and international conferences.
- **Current research:** AI-driven optimization of wireless communication networks, machine learning for cybersecurity, and next-generation (5G/6G) communication systems.

List of Publications

- Elngar, A.A. *et al.* (2026). Energy-Informatics Driven Self-Calibrating TDMA Algorithm for Energy-Efficient and Reliable Wireless Body Sensor Networks (WBSN). In: Jørgensen, B.N., Ma, Z.G., Yussof, S. (eds) Energy Informatics. EI.A 2025. Lecture Notes in Computer Science, vol 16394. Springer, Cham. https://doi.org/10.1007/978-3-032-19137-3_3
- Ibrahim, H.M., Shiha, M.M., Nasr, M.E. *et al.* Improving QoS for streaming data transmission over 6G networks using reconfigurable intelligent surfaces (RIS). *Sci Rep* **16**, 4828 (2026). <https://doi.org/10.1038/s41598-025-31131-w>
- H. M. Ibrahim, A. Hammad, A. A. Elngar and A. Ibrahim, "Adaptive Edge-Based Thresholding for Robust ORB Keypoint Detection Under Varying Illumination," 2025 3rd International Conference on Cyber Resilience (ICCR), Dubai, United Arab Emirates, 2025, pp. 1-8, doi: [10.1109/ICCR67387.2025.11291778](https://doi.org/10.1109/ICCR67387.2025.11291778).
- Hegazi Ibrahim and Mohamed Elmowafy, "Optimizing Video Streaming Over 6G Networks: Codec Adaptation, Quality Metrics, and AI-Driven Topologies", 2025 International Telecommunications Conference (ITC-Egypt), [10.1109/ITC-Egypt66095.2025.11186616](https://doi.org/10.1109/ITC-Egypt66095.2025.11186616), pp 265-272, July 2025.
- H. A. Sakr, M. I. El-Afifi, M. A. El-Mowafy, and H. M. Ibrahim, "Detecting DDoS threats in IoT-driven 6G-energy hubs networks using machine learning algorithms," *Discover Applied Sciences*, vol. 7, Art. no. 1002, Aug. 2025. DOI: <https://doi.org/10.1007/s42452-025-06716-9>
- A. A. Farid, A. T. Khalil, A. S. Samrah, and H. M. Ibrahim, "Optimizing WSN Security: An Advanced ML-Driven Intrusion Detection System with SMOTE-Tomek," *Int. J. Telecommunications.*, vol. 5, no. 1, pp. 1–28, 2025. DOI: [10.21608/ijt.2025.375264.1100](https://doi.org/10.21608/ijt.2025.375264.1100)
- Elassy, A. M., Amer, H. M., Ibrahim, H. M., and Mohamed, M. A., "Elevating Alzheimer's Diagnosis Based on Attention-Guided MRI Feature Fusion," *International Journal of Telecommunications, Air Defense College, IJT'2025*, Vol. 05, Issue 01, pp. 01-20, 2025. DOI: [10.21608/ijt.2025.350559.1075](https://doi.org/10.21608/ijt.2025.350559.1075)
- Hegazi Ibrahim, Abdelmoty M. Ahmed, Belgacem Bouallegue, Mahmoud M. Khattab, Mohab Abd El-Fattah, Nesma Abd El-Mawla, "Deep Convolutional Neural Networks for Plant Disease Detection: A Mobile Application Approach (Agri Bot)", *International Journal of Intelligent Systems*, Vol. 2025, Issue 01, pp. 1-19, 2025. (DOI: [10.1155/int/7644404](https://doi.org/10.1155/int/7644404)).
- Hesham A. Sakr, Abdelfattah A. Eladl, Hegazi M. Ibrahim, and Magda I. El-Afifi, "Application of Machine Learning Techniques for Predicting False Data Injection Attacks in Smart Grid," 25th International Middle East Power Systems Conference (MEPCON 2024), Cairo, Egypt, December 2024. [DOI: [10.1109/MEPCON63025.2024.10850048](https://doi.org/10.1109/MEPCON63025.2024.10850048)]

- Ibrahim, H. M., Khalil, A. T., & Sakr, H., "Enhancing the Quality of Multimedia Streaming Over Radio Resource Management and Smart Antennas of 5G Networks," *Wireless Personal Communications*, 2024. [\[DOI: 10.1007/s11277-024-11609-y\]](https://doi.org/10.1007/s11277-024-11609-y)
- Nesma Abd El-Mawla, and Hegazi Ibrahim, "AI-Powered 5G Networks: A Roadmap for the Future of Wireless Communications," *Nile Journal of Communication and Computer Science*, Vol.7, June 2024, pp. 1-14. [\[DOI: 10.21608/njccs.2024.360125\]](https://doi.org/10.21608/njccs.2024.360125)
- Nesma Abd El-Mawla, and Hegazi Ibrahim, "A Comparative Study of Simulation Tools for WSNs and UWSNs Research," *Nile Journal of Communication and Computer Science*, Vol.7, June 2024, pp. 1-16. [\[DOI: 10.21608/njccs.2024.268550.1029\]](https://doi.org/10.21608/njccs.2024.268550.1029)
- A.M. EL-ASSY, Hanan M. Amer, H.M. Ibrahim, M.A. Mohamed, "A Novel CNN Architecture for Accurate Early Detection and Classification of Alzheimer's Disease Using MRI Data," *Scientific Reports*, Feb. 2024, pp. 1-19. [\[DOI: 10.1038/s41598-024-53733-6\]](https://doi.org/10.1038/s41598-024-53733-6)
- A. A. Farid, A. T. Khalil, M. A. Shawky, A. S. Samrah, and H. Ibrahim, "Optimized Performance of Attack Detection in WSN Based on Machine Learning Algorithms," *International Telecommunication Conference (ITC-Egypt 2023)*, Alexandria, Egypt, 2023, pp. 407-412. [\[DOI: 10.1109/ITC-Egypt58155.2023.10206348\]](https://doi.org/10.1109/ITC-Egypt58155.2023.10206348)
- H. Ibrahim and N. A. El-Mawla, "Sustainable Internet of Things (S-IoT) With 5G Smart Antennas for Smart Media Data Services," *32nd International Conference on Computer Theory and Applications (ICCTA 2022)*, Alexandria, Egypt, 2022, pp. 155-161. [\[DOI: 10.1109/ICCTA58027.2022.10206331\]](https://doi.org/10.1109/ICCTA58027.2022.10206331)
- Sakr, H. A., Ibrahim, H. M., & Khalil, A. T., "Impact of Smart Power Efficient Modes on Multimedia Streaming Data Beyond 5G Networks," *Wireless Personal Communications*, Vol. 125, pp. 699-735, 2022. [\[DOI: 10.1007/s11277-022-09573-6\]](https://doi.org/10.1007/s11277-022-09573-6)
- Nesma Abd El-Mawla, Hegazi Ibrahim, and AI Nile Research Lab, "Eco-Friendly Dehydrator Machine for Food Recycling: A Waste Management System," *Nile Journal of Communication and Computer Science*, Vol.4, No.1, December 2022, pp. 1-18. [\[DOI: 10.21608/njccs.2024.360125\]](https://doi.org/10.21608/njccs.2024.360125)
- Hegazi Ibrahim, Nesma Abd El-Mawla, and AI Nile Research Lab, "IoT-Enabled Smart Grid Using PV Panel," *Nile Journal of Communication and Computer Science*, Vol.4, No.1, December 2022, pp. 1-18. [\[DOI: 10.21608/njccs.2022.279508\]](https://doi.org/10.21608/njccs.2022.279508)
- Nesma Abd El-Mawla, Hegazi Ibrahim, and Green Team, "Green Cloud Computing (GCC), Applications, Challenges, and Future Research Directions," *Nile Journal of Communication and Computer Science*, Vol.2, No.1, February 2022, pp. 1-12. [\[DOI: 10.21608/njccs.2022.244471\]](https://doi.org/10.21608/njccs.2022.244471)
- Hegazi Ibrahim, Nesma Abd El-Mawla, and Green Team, "Proposed Model for Sustainable and Scalable Vertical Farm," *Nile Journal of Communication and Computer Science*, Vol.2, No.1, February 2022, pp. 1-11. [\[DOI: 10.21608/njccs.2022.244469\]](https://doi.org/10.21608/njccs.2022.244469)
- Samrah, A. S., Khalil, A. T., and Ibrahim, H. M., "Improving Quality of Service for Internet Protocol Television and Voice Over Internet Protocol Over Long-Term

- Evolution Networks,” International Journal of Communication Networks and Distributed Systems (IJCND), Vol.22, No.4, pp. 409-446, 2019. [\[DOI: 10.1504/IJCND.2019.099965\]](https://doi.org/10.1504/IJCND.2019.099965)
- M. A. Mohamed and H. Ibrahim, “Studying the Performance of Streaming Data Over LTE-A Networks Based on HARQ Mechanism,” International Journal of Scientific and Engineering Research (IJSER), Vol. 9, No. 2, pp. 1289–1297, 2018.
 - M. A. Mohamed and H. F. Ibrahim, “Performance Evaluation for Video Streaming Data Over LTE-A Networks,” 12th International Conference on Computer Engineering and Systems (ICCES 2017), IEEE Xplore Digital Library, pp. 701- 707, 2017. [\[DOI: 10.1109/ICCES.2017.8275396\]](https://doi.org/10.1109/ICCES.2017.8275396)
 - M. A. Mohamed, M. Zubair, and H. M. Ibrahim, “QoS-Based IPTV Over Mobile WiMAX Networks,” Wireless Personal Communications (Springer), Vol. 96, No. 2, pp. 1711–1740, 2017. [\[DOI: 10.1007/s11277-017-4264-6\]](https://doi.org/10.1007/s11277-017-4264-6)
 - M. A. Mohammed, and Hegazi Ibrahim, “QoS Optimization for Multimedia Streaming Using Hybrid RRM and DASs Over LTE Networks,” Second Euro- China Conference on Intelligent Data Analysis and Applications (ECC 2015), Ostrava, Czech Republic, July 29-31, 2015, pp. 305-318.
 - M. A. Mohammed, M. A. Abou-Elsoud, and H. Ibrahim, “Effect of WiMAX Networks on IPTV Technology,” IJCSI International Journal of Computer Science Issues, Vol. 10, Issue 6, No.2, pp. 235-243, November 2013.
 - M. A. Mohamed, Mohey E. Abou-Elsoud, and Hegazi Ibrahim, “Improving QoS for IPTV Over WiMAX Networks,” IEEE Transactions on Networking, 23rd ICCTA, Alexandria, ID 48_2, Vol.12, Issue 8, pp. 96-101, 2013. [\[DOI: 10.1109/ICCTA32607.2013.9529804\]](https://doi.org/10.1109/ICCTA32607.2013.9529804)

ACCREDITATION ACHIEVEMENTS & INSTITUTIONAL RECOGNITION

- **ABET Accreditation Leadership:** Secured full ABET accreditation for multiple engineering and computer science programs through comprehensive program development and quality assurance
- **NAQAAE Accreditation:** Led institutional accreditation process for Nile Higher Institute for Engineering and Technology (July 2023 - July 2028)
- **Program Development:** Led course design, academic reporting, CLO-SO mapping, and curriculum alignment for Communication and Electronics Engineering programs
- **Quality Assurance Expert:** Served as Head of ABET and Quality Assurance Unit, implementing outcomes-based education and continuous improvement systems
- **Accreditation Consultant:** Provided strategic advisory services to multiple institutions on international accreditation standards and quality assurance frameworks

SUPERVISION & RESEARCH PROJECTS

Graduate Thesis Supervision

Ph.D. Thesis: Deep Learning Approaches for Early Detection of Alzheimer's Disease Using Multi-modal Neuroimaging Data (Mansoura University, 2022)

M.Sc. Theses: Development of Secure IoT Applications; Security Defenses for Fog Computing in IoT and Healthcare; Improving Performance of Wireless Sensor Networks Using AI Techniques (Mansoura University, 2022)

Capstone Project Supervision

- Implementation of Sustainable Smart Cities Using IoT Networks (2021-2024)
- AI ROBOSTEM: Smart Robot for STEM Education Using Artificial Intelligence
- AGRIBOT: AI Robot for Smart Agriculture Systems
- Smart Energy Grid Using Photovoltaic Panels and IoT
- Green Hydroponic Vertical Farm Using Raspberry Pi and IoT Technologies

PROFESSIONAL TRAINING & CONTINUING EDUCATION

Accreditation & Quality Assurance

- Strategic Planning for Higher Education Institutions - NAQAAE, Egypt (November 2023)
- Self-Evaluation for Academic Institutions - NAQAAE, Egypt (November 2023)
- Program and Course Specifications and Assessment of Intended Learning Outcomes (ILOs) - NAQAAE, Egypt (November 2023)
- Teaching Strategies and Effective Learning - NAQAAE, Egypt (December 2023)
- Exams and Students Assessment Systems - NAQAAE, Egypt (December 2023)
- External Review Processes for Higher Education Institutions - NAQAAE, Egypt (December 2023)
- Credit Hours System - Mansoura University Development Center (July 2025)

Research, Analytics & Academic Skills

- Research Ethics and Scientific Integrity - Mansoura University Development Center (August 2025)
- Scientific Research Methods and University Ranking Systems - Mansoura University Development Center (July 2025)
- Statistical Analysis Using SPSS - Mansoura University Development Center (August 2025)
- How to Select the Right Journal for Publication - Elsevier, King Saud University, KSA (November 2022)
- Publication Mechanisms in ISI Journals - JOUF University, Saudi Arabia (August 2019)
- Scientific Writing and Electronic Reference Management - JOUF University (February 2020)

Technology, AI & Cybersecurity

- Artificial Intelligence Tools in Scientific Research - Mansoura University Development Center
- Cybersecurity Fundamentals - Mansoura University Development Center (August 2025)
- Cloud Computing and Emerging Technologies - JOUF University
- Use of Technology in Teaching and E-Learning - JOUF University (February 2020)
- Electronic Analysis and Design for Online Surveys - JOUF University (March 2021)

Telecommunications & Networking

- CCNA - Cisco Certified Network Associate
- GSM, GPRS, CDMA, UMTS & UTRAN Architectures
- WiMAX and LTE Network Planning and Optimization
- 5G Networks and Optimization

AWARDS & HONORS

- Research Excellence Award & Scientific Publication - Deanship of Scientific Research, JOUF University, Kingdom of Saudi Arabia (April 2018)
- Institutional Accreditation Excellence - Deanship of Quality and Accreditation Assurance, JOUF University, Kingdom of Saudi Arabia (May 2021)
- Certificate of Appreciation - ABET and ETEC Accreditation Process Leadership, JOUF University, Kingdom of Saudi Arabia

PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

- IEEE Communications Society - Member (2023-Present)
- IEEE Systems Council - Member (2023-Present)

EDITORIAL & REVIEW BOARD MEMBERSHIPS

Recognized scientific reviewer and editorial board member for high-impact journals and international conferences:

- Mansoura Engineering Journal (MEJ)
- Nile Journal of Communication and Computer Science
- WSEAS Transactions on Systems
- Journal of Ambient Intelligence and Humanized Computing
- Wireless Personal Communications
- Scientific Reports
- Discover Computing
- International Telecommunications Conference (Egyptian Military Academy)

LANGUAGES

- **Arabic:** Native Fluency
- **English:** Professional Working Proficiency

PERSONAL SKILLS

- Leadership & Management: Team management, strategic planning, decision-making, project management, cross-functional collaboration, institutional governance
- Communication & Academic Skills: Professional communication, academic writing, scientific presentation, mentoring, coaching, academic advising, faculty development
- Analytical & Problem-Solving: Problem solving, analytical thinking, data analysis, research methodology, critical thinking, innovation
- Professional Attributes: Adaptability, continuous learning, work under pressure, deadline management, time management, work prioritization

ADDITIONAL QUALIFICATIONS

- Official Website and Electronic Systems Manager at Nile Higher Institute for Engineering and Technology (2022-Present)
- ABET Accreditation Consultant and Strategic Advisor for multiple institutions
- Head of Quality Assurance Unit, Egyptian Chinese University (NAQAAE and ABET Compliance)
- Program Coordinator for International Accreditation standards implementation
- Expertise in network operations, system optimization, and large-scale technology deployments

REFERENCES

Available upon request. Professional references include senior academics, institutional leadership, and international accreditation experts from universities in Egypt, Saudi Arabia, United States, and Jordan.