King Talal School of Business Technology

Faculty Curriculum Vitae (CV)
2020-2025

I. Personal and Contact Information

Full Name	**Saif Al-Dean Rushdi Qawasmeh**
Current Rank	**Assistant Professor**
Faculty Type	☒ **Core Faculty** ☐ **Non-Core Faculty** **Non-Core Faculty (Adjunct, Visiting, Practitioner)]**
Date of Appointment	**Sep/21/2025**
Academic Discipline/Field	**Business Technology**
Professional Email	**s.qawasmeh@psut.edu.jo**
ORCID/Scopus ID	**ORCID: 0009-0004-4793-158X** **Scopus ID: 58858680500**

II. Education and Qualifications

Please list all relevant degrees and professional certifications, starting with the highest degree (Ph.D./DBA).

Degree/Certification	Institution	Country	Year Completed	Academic Discipline
Ph.D./DBA	**North Carolina a&t State University**	**USA**	**2025**	**Applied Science and Technology**
Master's	**Middle Tennessee State University**	**USA**	**2020**	**Information Technology**
Bachelor's	**The University of Jordan**	**Jordan**	**2016**	**Computer Science**

III. Teaching and Pedagogical Activities

A. Courses Taught (Last 5 years)

Course Name	Program Level (UG/Master's)	Credit Hours	ERS Integration (Y/N)
Network Security for Information Technology Professionals	PhD	3	Y
Telecommunication Management	Masters	3	Y
Python Programming	BSC	3	N
College Algebra for Engineering Science	BSC	3	N
Management Information Systems	BSC	3	Y
Introduction to AI	BSC	3	Y
Computer Applications in Business	BSC	3	N

B. Student Supervision

Year	Student Name	Role Supervisor/ Co-sup	Thesis Title	Status Ongoing/Completed

C. Teaching Innovation and Recognition

Describe any significant new course/program development, use of innovative pedagogical methods (e.g., simulations, blended learning, use of case study method), and list any teaching awards.

My teaching philosophy centers on creating learning environments that are rigorous, inclusive, and grounded in real-world relevance. I aim to equip students with the ability to critically evaluate the broader impacts of computational systems and to understand how technology design choices reverberate through institutions and communities.

Having taught at an HBCU and at an international technology university with students from a wide range of cultural, socioeconomic, and professional backgrounds, I intentionally tailor my pedagogy to support diverse learners. I integrate multiple modes of instruction, hands-on practice, policy case studies, ethical scenarios, and collaborative discussion, to ensure accessibility for students with different learning styles. I emphasize transparency around learning goals and assessments, provide structured mentorship support, and cultivate classroom norms that allow all students to feel respected and empowered to contribute. Across institutions, I have seen how intentional inclusion fosters stronger critical thinking, deeper engagement, and more equitable outcomes.

IV. Research and Intellectual Contributions (IC)

A. Peer Reviewed Journal Publications

Classify your intellectual contributions (IC) into the three categories: Disciplinary/Basic Scholarship (DS), Applied/Practice-Oriented Scholarship (AS), and Pedagogic Scholarship (PS). ERS (Ethics, Responsibility, and Sustainability)

IC Type (DS/AS/PS)	Full Citation (Journal, Book, Case Study, etc.)	Publication Date	Journal Indexing/ IF (If Applicable)	ERS Focus (Y/N)
AS	Qawasmeh, S. A. D., AlQahtani, A. A. S., & Khan, M. K. (2025). Navigating cybersecurity training: A comprehensive review. Computers and Electrical Engineering, 123, 110097.	2025	Scopus Q1	Y
AS	Qawasmeh, S. A.-D., & AlQahtani, A. A. S. (2025). Beyond Firewall: Leveraging Machine Learning for Real-Time Insider Threats Identification and User Profiling. Future Internet, 17(2), 93. https://doi.org/10.3390/fi17020093	2025	Scopus Q2	Y

B. Conference Presentations and Research Grants

Activity	Title/Topic	Funding Body/Conference Name	Year
Conference Presentation	Developing a Transferable Framework for CO2-Stimulated Geothermal Energy Enhancement: A Case Study.	The 17th International Conference on Greenhouse Gas Control Technologies, GHGT- 17.	2024
Conference Presentation	Machine Learning Powered Multi-Tier of Fracture Imaging: A Case Study.	The 2024 Geothermal Rising Conference.	2024

V. Professional Experience and Relevance

A. Non-Academic Work Experience

List significant full-time non-academic employment, especially if relevant to your teaching and research.

Company/Organization	Title/Role	Start Date	End Date	Key Responsibilities/Achievements
National Nuclear Security Administration, Pittsburgh, PA USA	Research Associate	June/2024	June/2025	• Developing Machine Learning (ML) models to the datasets to learn how the geothermal reservoir system works. • Investigate alternative ML and Deep Learning (DL) algorithm that consider temporal and spatial features. • Collecting and Handling Datasets in regard to quality assessment and control. • Participate with various domain-expertise members from the National Energy Technology Laboratory (NETL).
Department of Energy, Washington DC USA	Cyber Security Analyst	June/2023	June/2024	• Performed network vulnerability assessments to identify potential security risks. • Assisted in the implementation of security measures to protect the company's data and systems. • Monitored and analyzed security incidents to detect and respond to threats. • Participated in security audits and compliance assessments to ensure regulatory requirements are met. • Collaborated with senior analysts to investigate and resolve security incidents.

B. Professional Engagement

Activity	Organization/Client	Role/Nature of Work	Dates (Start-End)

VI. Service and Engagement

List your service contributions, distinguishing between internal (University/School) and external (Community/Societal) roles.

Service Type	Committee/Role	Organization/Body	Dates (Start-End)
University/School Service	Curriculum and Courses Development Committee	PSUT	Sep/2025-Present
Reviewer Activity	Reviewer	Indonesian journal of electrical engineering and Computer Science	2024-Present
Reviewer Activity	Reviewer	Bulletin of electrical engineering and informatics	2024-Present
Reviewer Activity	Reviewer	International Journal of Cognitive Computing	2024-Present
University/School Service	Graduate School Representative	North Carolina a&t State University	2023-2024

VII. Ethics, Responsibility, and Sustainability (ERS) Contribution

Please ensure all ERS-related activities are documented here, even if listed elsewhere. CSR (Corporate Social Responsibility)

Activity Type	Details of Contribution	ERS Theme (e.g., CSR, Climate, Governance)	Year
Research	Publication: “Navigating cybersecurity training: A comprehensive review. *Computers and Electrical Engineering*”	Responsibility, Community Engagement	2025
Research	Publication: “Beyond Firewall: Leveraging Machine Learning for Real-Time Insider Threats Identification and User Profiling. *Future Internet*”	Ethics, Responsibility, Governance	2025
Research	Conference Paper: “Developing a Transferable Framework for CO2-Stimulated Geothermal Energy Enhancement”	Sustainability	2024
Teaching	Data Privacy and Compliance: Discuss the legal and ethical responsibility of securing data, focusing on compliance with privacy regulations and the ethical handling of security incidents.	Responsibility, Governance	2023

VIII. International Experience

List activities that demonstrate international engagement in teaching, research, and professional practice.

Activity Type	Institution/Location	Role/Purpose	Dates (Start-End)

International Research	National Energy Technology Laboratory, PA, USA	Development of the FORGE project, UTAH USA	2024-2025