

King Talal School of Business Technology



Faculty Curriculum Vitae (CV) 2020-2025

I. Personal and Contact Information

Full Name	Ghayda Atef Mahmoud Alhyasat
Current Rank	Lecturer
Faculty Type	<input checked="" type="checkbox"/> Core Faculty <input type="checkbox"/> Non-Core Faculty Non-Core Faculty (Adjunct, Visiting, Practitioner)]
Date of Appointment	24/2/2025
Academic Discipline/Field	Data Science
Professional Email	g.alhyasat@psut.edu.jo
ORCID/Scopus ID	ORCID iD: 0009-0003-2092-9458 Scopus ID: 59453548000

II. Education and Qualifications

Degree/Certification	Institution	Country	Year Completed	Academic Discipline
Master's	Princess Sumaya University for Technology	Amman	2023	Data Science
Bachelor's	Balqa' Applied University	Amman	2020	Computer Systems Engineering

III. Teaching and Pedagogical Activities

A. Courses Taught (Last 5 years)

Course Name	Program Level (UG/Master's)	Credit Hours	ERS Integration (Y/N)
Management Information Systems	UG	3	Y
Decision Support Systems	UG	3	N
Business Applications Programming	UG	3	N
Cloud Computing	UG	3	N
Introduction to AI in Business Applications	UG	3	N
Computer Applications in Business	UG	3	N
Business Applications Programming Lab	UG	1	N
Data Mining	UG	3	N
Big Data	UG	3	N
Data Science Fundamentals	UG	3	N
Programming language 2 (Python)	UG	3	N
Data Visualization	UG	3	N
Introduction to Web Design	UG	3	N

B. Student Supervision

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

C. Teaching Innovation and Recognition

I have been teaching at the university for one year, and during this time I worked on improving my courses and making learning easier for students. Before joining PSUT, I worked at Petra University for one year, where I prepared new content for two courses: Data Science Fundamentals and Data Visualization. I redesigned the material, updated the examples, and created structured weekly content to help students understand the subjects in a practical and simple way.

At PSUT, I developed the Business Applications Programming Lab and created a full lab manual. The manual includes weekly tasks, sample outputs, and clear steps for each exercise. This helped business students understand programming better and reduced their fear of coding.

In the Cloud Computing course, I used blended learning. I prepared weekly H5P interactive activities and used AWS Academy so students could practice real cloud skills. I also used case studies in courses such as MIT, DSS, and the Business Programming Lab. Students worked on real business problems and solved them with Java or decision-support methods. In my coding courses, I include short in-class coding challenges to keep students active and engaged.

I received a Certificate of Appreciation for organizing the BIT Day. I also receive very positive feedback from students, who often say that programming became easier and less stressful because of the way I explain the material and use practical examples.

I am a member of the College Curriculum Committee, where I help improve courses and support program development. In addition, I am a member of the department's competitions committee, where I help plan and support student competitions.

IV. Research and Intellectual Contributions (IC)

A. Peer Reviewed Journal Publications

IC Type (DS/AS/PS)	Full Citation (Journal, Book, Case Study, etc.)	Publication Date	Journal Indexing/ IF (If Applicable)	ERS Focus (Y/N)

B. Conference Presentations and Research Grants

Activity	Title/Topic	Funding Body/Conference Name	Year
Conference Presentation	Experimental Evaluation of Resampling Techniques for Imbalanced Stroke Data	The 2025 International Conference on New Trends in Computing Sciences (ICTCS), IEEE, pp. 233–238.	2025

Conference Presentation	Enhanced Stroke Prediction Through Autoencoder-Based Feature Compression and Ensemble Classification	1st International Conference on Computational Intelligence Approaches and Applications (ICCIAA), IEEE, 6 January 2025.	2025
Conference Presentation	Advancing IoV Security Through Machine Learning: Design and Evaluation of the CICIoV2024 Benchmark Dataset	The 1st International Conference on Computational Intelligence Approaches and Applications (ICCIAA), IEEE, 6 January 2025.	2025
Book Chapter	Leveraging artificial intelligence and data science for addressing climate change (SDG 13)	Leveraging artificial intelligence and data science for addressing climate change (SDG 13), Innovation and Technological Advances for Sustainability, CRC Press, pp. 332–340, 2024.	2024

V. Professional Experience and Relevance

A. Non-Academic Work Experience

Company/Organization	Title/Role	Start Date	End Date	Key Responsibilities/Achievements

B. Professional Engagement

Activity	Organization/Client	Role/Nature of Work	Dates (Start-End)
Conference Service	1st International Conference on Computational Intelligence Approaches and Applications (ICCIAA), IEEE	Reviewer	Jan 2025
Conference Service	2025 International Conference on New Trends in Computing Sciences (ICTCS)	Reviewer	Feb 2025

VI. Service and Engagement

Service Type	Committee/Role	Organization/Body	Dates (Start-End)

University/School Service	Committee Member, BIT Curriculum Committee	King Talal Faculty of Business Technology, PSUT	2025/2026
University/School Service	Committee Member, BIT Competitions Committee	King Talal Faculty of Business Technology, PSUT	2025/2026
University/School Service	Committee Member, Competency Exam Committee	King Talal Faculty of Business Technology, PSUT	2024/2025
University/School Service	Committee Member, BIT Day Committee	King Talal Faculty of Business Technology, PSUT	2024/2025
University/School Service	Committee Member, Quality Assurance Committee	University of Petra	2023/2024
University/School Service	Committee Member, Competency Exam Committee	University of Petra	2023/2024
University/School Service	Committee Member, Library Committee	University of Petra	2023/2024

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

Activity Type	Details of Contribution	ERS Theme (e.g., CSR, Climate, Governance)	Year
Course Content Enhancement	Included case studies related to ethical AI use, data privacy, and responsible decision-making within DSS and AI in Business courses	Ethics, Governance	2024/2025

VIII. International Experience

Activity Type	Institution/Location	Role/Purpose	Dates (Start-End)
AWS Educator Certification	AWS Academy (online global platform)	Completed AWS instructor training and integrated AWS cloud labs into course delivery	2024