

Assistant Professor in Information Systems and Data
Analytics
A'Sharqiyah University

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Posted May 14, 2025, set to expire Sep. 15, 2025

Job Title	Assistant Professor in Information Systems and Data Analytics
Department	College of Business Administration
Institution	A'Sharqiyah University Ibra, Oman, Oman
Date Posted	May 14, 2025
Application Deadline	May 29, 2025
Position Start Date	Sep. 1, 2025
Job Categories	Assistant Professor
Academic Field(s)	Quantitative Analysis Management Information Systems - All Business - General
Job Website	https://jobs.asu.edu.om/
Apply By Email	abdullah.alshaibani@asu.edu.om
Job Description	

Duties and Responsibilities

Teaching and Curriculum Development:

1. Design and teach undergraduate and graduate-level courses in computer science topics such as programming, algorithms, databases, operating systems, and specialized courses in IT and data analysis.
2. Employ innovative and engaging teaching methodologies to ensure student learning outcomes are met.
3. Develop curriculum, course content, and learning materials for Management Information

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Systems, Data Science and Business Analytics, Information Technologies, and related programs, aligning with the latest industry trends and technologies.

Advising and Mentorship:

1. Advise students on academic and career pathways; mentor students in research and projects.
2. Maintain student records and monitor progress and performance.

Research and Publication:

1. Conduct and publish high-quality research in fields like business intelligence applications, machine learning, AI, and data analysis.
2. Pursue research funding through governmental, industry, and organizational grants and partnerships.

Service and Engagement:

1. Serve on departmental, college, and university committees and initiatives.
2. Foster student success through academic support services and co-curricular engagement.
3. Participate in professional development activities to continually advance knowledge and teaching practices.
4. Undertake community outreach, industry engagement, and promotional activities for the program and department.
5. Collaborate with faculty colleagues on interdisciplinary initiatives that enhance student learning.

Qualification

A holder of a Ph.D. degree in Computer Science or a closely related domain from an accredited university.

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Experience

- A minimum of two years of experience in teaching and research at a recognized university.
- A strong command of the following areas:
 - **Information Technology and Information System:**
 - Expertise in systems architecture (servers, storage, networking, virtualization, web technologies).
 - Mastery of database platforms (SQL, Oracle, MongoDB).
 - Proficiency with BI analytics tools (Tableau, Power BI, QlikView).
 - Strong systems analysis and design skills (UML, requirement gathering).
 - Programming skills (Java, JavaScript, Python, C#, Rust, Go).
 - Cloud technologies expertise (AWS, Azure, GCP, IBM Cloud).
 - Knowledge of OS administration (Windows Server, Linux, Virtualization).
 - Understanding of IT infrastructure and computer hardware.
 - Familiarity with IT service delivery models (IaaS, PaaS, SaaS, FaaS).
 - Hands-on with automation tools (PowerShell, Bash, Ansible, Terraform).
 - Process automation & integration (APIs, ETL, microservices).
 - Experience with containerization and orchestration (Docker, Kubernetes).
 - **Data Science and Business Analytics:**
 - Expertise in R and Python (NumPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow, PyTorch).
 - Experience with data mining, cleaning, and munging techniques (or data wrangling).
 - Knowledge of machine learning algorithms like regression, classification, and clustering.
 - Ability to teach statistical analysis methods and modeling.
 - Familiarity with big data platforms like Hadoop, Spark, and cloud-based data tools (Databricks, BigQuery).
 - Visualization skills with Tableau, Power BI, D3.js, and Plotly.
 - Understanding of neural networks, NLP, and sentiment analysis.
 - Experience with MLOps practices and tools (Kubeflow, MLflow).
 - A minimum of six Scopus-indexed publications (including those pending publication) with at least three as first or second author. The papers must be in the fields mentioned above.

Job Competencies

1. Fluency in written and spoken English is required; the ability to teach courses in both English and

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Arabic is preferred.

2. Demonstrated expertise in teaching and developing courses at undergraduate and postgraduate levels in MIS, IT, data science and business analytics, and information technology programs. or closely related fields.
3. Experience designing curricula, assessments, and learning materials for MIS, data science and business analytics, and information technology programs.
4. Ability to lead collaborative initiatives and work effectively in cross-functional teams.
5. Skills in advising and mentoring students academically and professionally.
6. Established a record of high-quality publications in top-tier peer-reviewed journals/conferences in the area of research.
7. Passion for outreach and engagement activities that promote the discipline.
8. Excellent communication and presentation abilities to convey complex topics.
9. Commitment to teaching excellence, innovation, and student success.
10. Enthusiasm for community building and departmental service responsibilities.
11. Self-motivated with the ability to take initiative and work independently.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Yousuf Al Habsi

Muscat

Muscat

Oman

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