Employment

Information Systems
Sultan Qaboos University
Sept 10 2002 → present

Research outputs

A machine learning approach to predict the parameters of COVID-19 severity to improve the diagnosis protocol in Oman
Al Shaqsi, J., Borghan, M., Drogham, O. & Al Whahaibi, S., Sept 29 2023, In: SN Applied Sciences. 5, 10, 273.

Using machine learning to predict factors affecting academic performance: the case of college students on academic probation
Al-Alawi, L., Al Shaqsi, J., Tarhini, A. & Al-Busaidi, A. S., Mar 10 2023, In: Education and Information Technologies. 28, 10, p. 12407-12432 26 p., 10.

Advanced machine learning based exploration for predicting pandemic fatality: Oman dataset
Al Shaqsi, J., Drogham, O. & Aburass, S., Jan 1 2023, In: Informatics in Medicine Unlocked. 43, 101393.

AI-based Prediction of disease outcome in hospitalized COVID-19 patients in Oman
Al-Shaqsi, J., 2022, (In preparation).

A Machine Learning Based Exploration of Covid19 Mortality Risk: Oman Dataset
Al-Shaqsi, J., 2022, (In preparation).

Diagnosis of COVID19 by Using Machine Learning
Al-Shaqsi, J., 2022, (In preparation).

Fatality Prediction of COVID-19 by using Machine Learning: Oman Dataset
Al-Shaqsi, J., 2022, (Submitted).

Estimating the predominant number of clusters in a dataset
Al Shaqsi, J. & Wang, W., 2013, In: Intelligent Data Analysis. 17, 4, p. 603-626 24 p.

A hybrid method for estimating the predominant number of clusters in a data set
Alshaqsi, J. & Wang, W., 2012, *Proceedings - 2012 11th International Conference on Machine Learning and Applications, ICMLA 2012.* p. 569-573 5 p. 6406797. (Proceedings - 2012 11th International Conference on Machine Learning and Applications, ICMLA 2012; vol. 2).

A novel clustering algorithm with a new similarity measure and ensemble methods for mixed data clustering
Al-Shaqsi, J., Oct 10 2010, 1 ed. United Kingdom. 299 p.

A clustering ensemble method for clustering mixed data
Al-Shaqsi, J. & Wang, W., 2010, *2010 IEEE World Congress on Computational Intelligence, WCCI 2010 - 2010 International Joint Conference on Neural Networks, IJCNN 2010.* Institute of Electrical and Electronics Engineers Inc., 5596684. (Proceedings of the International Joint Conference on Neural Networks).

Adopting mobile computing in Sultan Qaboos University: The case of mobile majors allocation system (MMAS)
Al-Shaqsi, J. & Al Shihi, H., 2009, *Proceedings of the IADIS International Conference Mobile Learning 2009, ML 2009.* Sanchez, I. A., Barbosa, P., Rodrigues, L. & Isaias, P. (eds.). IADIS, p. 211-216 6 p. (Proceedings of the IADIS International Conference Mobile Learning 2009, ML 2009).

A novel three staged clustering algorithm
Al-Shaqsi, J. & Wang, W., 2009, *Proceedings of the IADIS European Conference on Data Mining 2009, ECDM'09 Part of the IADIS Multi Conference on Computer Science and Information Systems, MCCSIS 2009.* p. 19-26 8 p. (Proceedings of the IADIS European Conference on Data Mining 2009, ECDM'09 Part of the IADIS Multi Conference on Computer Science and Information Systems, MCCSIS 2009).

Business transformation in educational institute: A case study in online registration system
Shaqsi, J. A., 2006, *Internet and Information Systems in the Digital Age: Challenges and Solutions - Proceedings of the 7th International Business Information Management Association Conference, IBIMA 2006.* International Business Information Management Association, IBIMA, p. 199-204 6 p. (Internet and Information Systems in the Digital Age Challenges and Solutions - Proceedings of the 7th International Business Information Management Association Conference, IBIMA 2006).

Activities

A Moderator of Artificial Intelligence: GCC Statistical Conference 2nd
Jamil Al-Shaqsi (Participant)
2020

International Joint Conference on Neural Networks (IJCNN) (Publisher)
Jamil Al-Shaqsi (Reviewer)
2020

A Data Mining Guest Lecture: Muscat College
Jamil Al-Shaqsi (Participant)
2019

A Moderator of Artificial Intelligence: Science Conference
Jamil Al-Shaqsi (Participant)
2019

Data Mining
Jamil Al-Shaqsi (Participant)
2019

Data Science by Using Python
Jamil Al-Shaqsi (Participant)
2019

Dept. External Relations & Internationalization Committee
Jamil Al-Shaqsi (Participant)
2019 → 2022

Dept. ISG academic Advisor and Staff Student Liaison Committee
Jamil Al-Shaqsi (Participant)
2019 → 2022

Head of the Judge Panel: GCC Statistical Forum 2nd
Jamil Al-Shaqsi (Participant)
2019

IEEE Transactions on Neural Networks and Learning Systems (Publisher)
Jamil Al-Shaqsi (Reviewer)
2019 → 2022

National Center for Statistical Information
Jamil Al-Shaqsi (Participant)
2019

Student Development Committee
Jamil Al-Shaqsi (Participant)
2019 → 2022

Student Liaison Committee
Jamil Al-Shaqsi (Participant)
2019 → 2022

Training Committee
Jamil Al-Shaqsi (Participant)
2019 → 2022

Data Mining Workshop: Second Information Systems Forum
Jamil Al-Shaqsi (Participant)
2018

Application Development Committee
Jamil Al-Shaqsi (Participant)
2015 → 2021

KM and BI Committee,
Jamil Al-Shaqsi (Participant)
2015 → 2022

The Research Council (Publisher)
Jamil Al-Shaqsi (Reviewer)
2015 → 2022

A Member of the Judge Panel: 5th IT Gathering
Jamil Al-Shaqsi (Participant)
2013

A Member of the Judge Panel: Omantel Innovation Committee
Jamil Al-Shaqsi (Participant)
2012 → 2013

A Member of the Judge Panel: Traffic Safety Competition (ROP)
Jamil Al-Shaqsi (Participant)
2012 → 2018

Assessment of Officer Candidates
Jamil Al-Shaqsi (Participant)
2012 → 2018

International Conference on Machine Learning and Applications (Publisher)
Jamil Al-Shaqsi (Reviewer)
2012 → 2020

International Conference on Intelligent Data Engineering and Automated Learning (IDEAL). (Publisher)
Jamil Al-Shaqsi (Reviewer)
2011 → 2018

IEEE World Congress on Computational Intelligence (IJCNN), (Publisher)
Jamil Al-Shaqsi (Reviewer)
2010 → 2015

Prizes

Excellence in the Field of Computer Science in the Gulf
Al-Shaqsi, Jamil (Recipient), 2015

First Prize in the Present Around the World Competition, UK
Al-Shaqsi, Jamil (Recipient), 2010

Grant Research by The Research Council
Al-Shaqsi, Jamil (Recipient), Apr 16 2015

Grant Research by The Research Council
Al-Shaqsi, Jamil (Recipient), 2021

Honored by the Information Technology Authority: A New Radar Application
Al-Shaqsi, Jamil (Recipient), 2013

Honored by the Information Technology Authority : Improved your Brain Performance: Memory, Attention, and Spee
Al-Shaqsi, Jamil (Recipient), 2013

Honored by the Information Technology Authority (ITA) : "Deaf and Mute People Do Talk"
Al-Shaqsi, Jamil (Recipient), 2013

Honored by the Information Technology Authority (ITA): No More in Line, Go Online
Al-Shaqsi, Jamil (Recipient), 2013

Honored by the Information Technology Authority: Plagiarism System
Al-Shaqsi, Jamil (Recipient), 2013

Honored by the Ministry of Higher Education: Excellence in the PhD
Al-Shaqsi, Jamil (Recipient), 2010

Honored by the Vice Chancellor of SQU: Excellence in the Mater Degree, 2005
Al-Shaqsi, Jamil (Recipient), 2005

Honored in the University Day: International Award
Al-Shaqsi, Jamil (Recipient), 2012

Projects

Data Mining Package
Al-Shaqsi, J.

Development of a website for the Authority of Electricity Regulation
Al-Shaqsi, J.

Plagiarism Detection
Al-Shaqsi, J.

Proctoring the Final Exam
Al-Shaqsi, J.

Courses

Business Application Development I

Jamil Al-Shaqsi
9/19/11 → …

Business Application Development II

Jamil Al-Shaqsi
9/19/11 → …

Business Software Development I

Jamil Al-Shaqsi
9/12/05 → …

Business Software Development II

Jamil Al-Shaqsi
9/12/05 → …

Data Mining and Business Intelligence

Jamil Al-Shaqsi
9/25/14 → …

Data Warehouse and Data Mining

Jamil Al-Shaqsi
9/25/14 → …

Independent Study in Information Systems

Jamil Al-Shaqsi
2/7/22 → …

Management Information Systems

Jamil Al-Shaqsi
9/19/11 → …

Senior Project in Information Systems

Jamil Al-Shaqsi
9/15/14 → …

Special Topic in Information Systems

Jamil Al-Shaqsi
12/17/12 → …

Student theses

APPLYING DATA MINING TECHNIQUES FOR EARLY DIAGNOSIS OF DIABETES USING OMAN DATASET
 Author: Al-Shaqsi, J., 2022
Supervisor: Tarhini, A. (Supervisor) & Al-Shaqsi, J. (Supervisor)

Predicting the Factors Affecting Undergraduate Students' Academic Performance Resulting in Falling Under Probation by using Data Mining Techniques: A Case Study of Sultan Qaboos University
Author: Al-Alawi, L. & Al-Shaqsi, J., 2021
Supervisor: Al-Shaqsi, J. (Supervisor) & Tarhini, A. (Supervisor)