

# DR. SHAIKH A. KHALIQUE

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## PROFESSIONAL OBJECTIVE

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To pursue a challenging teaching and research position in the field of Information Systems

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## EDUCATION

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<b>PhD</b>	<b>Information Technology</b> <b>Dissertation:</b> A Proximity-aware Semantic-based Decentralized Resource Discovery in Computational Grids Monash University Australia	<b>2013</b>
<b>MSc</b>	<b>Computer &amp; Information Systems</b> University of Detroit Detroit MI USA <b>GPA 3.91/4.0</b>	<b>2004</b>
<b>BSc (Eng)</b>	<b>Electronics Engineering</b> NED University of Engg & Tech, Karachi. <b>Grade "A-1"</b>	<b>1995</b>

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## PROFESSIONAL EXPERIENCE

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**Sultan Qaboos University Muscat Oman** **Feb 2017 – to date**  
**Department of Information Systems**  
**Assistant Professor / Director of Postgraduate Studies**

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- To teach undergraduate and postgraduate level IT courses to students
- To oversee the academic aspects of Postgraduate students, including degree audit, academic advising and direction on academic paths
- To ensure enactment of Academic regulations within postgraduate programs
- To prepare lectures and practical classes for undergraduate and postgraduate courses
- To design labs and tutorials for undergraduate courses
- To serve on various departmental committees such as Postgraduate Committee, Research and Accreditation committee
- To deliver course content using a student-centric approach and various other interesting and engaging assignments such as knowledge café and application-based tools that demonstrate the real-world applications of concepts covered
- To server as MSc (Information Systems ) Program Coordinator
- To advise postgraduate students on the course and academic matters and career decisions
- To determine course placement for postgraduate students based on their academic performance
- To conduct students' thesis defence seminars and workshops for Postgraduate students
- To assess the implementation of a quality standard such as EQUIS Standards
- To carry out scholarly research in the field of Data Analytics, Network Analytics and Big Data and publish findings in scholarly in leading peer-reviewed International Journals and Conference Proceedings

- To apply a learning management system such as Moodle to enhance the learning development of students
- To prepare proposals for different kinds of grants for research
- To prepare high-quality subject delivery and learning support materials
- To utilize new innovative ideas to increase maximum students' participation by using social media tools such as Twitter, Instagram etc.
- To serve as academic advisor to students for their academic advising
- To conduct an Orientation program every intake for Post-graduate students
- To contribute significantly to reviewing of conference and journals papers
- To manage students industrial trips and guest lectures with the collaboration of practitioners to enhance association with industries.
- To prepare examinations questions and assessment of students scripts
- Designed a new Course INFS4499 "Introduction to Big Data Analytics" for undergraduate-level Spring 2019
- Audit transcripts and degree of postgraduate students and provide academic advice accordingly
- To administer the recruitment of students and to ensure accurate records of applicants and students are kept.
- Designed a new Course INFS4344 "Health Informatics" for undergraduate-level Fall 2019
- Organized a field trip to Health Care centre for undergraduate students of the course "Health Informatics" to get students familiar about the Electronic Health Record Nov 2019.
- To moderate examination papers for undergraduate and postgraduate programs
- Experience with structured and unstructured data handling.BIB JSON, XML.CSV etc.
- Experience with running web services under Cloud computing Azure environments
- Delivered online lectures and practical labs under pandemic environment.
- Mapped Program Learning Outcomes and Course learning outcome with the National Qualification framework

**Mazoon University College Muscat Oman**

**Sept 2015 – Jan 2017**

**Department of Computer Science & Information Technology.**

**Assistant Professor**

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- Taught undergraduate and post-graduate level computer courses to students
- Supervised students working on industrial projects
- Prepared lectures and practical classes for undergraduate and post-graduate computer courses
- Provided consultation to the students in the selection of appropriate technology and resources to be used in the final year post-graduate projects
- Served as an academic advisor to students
- Assessed the implementation of quality standards as a Chairperson in Quality Assurance Department
- Designed and developed a curriculum for undergraduate courses " Introduction to Computer Security" and " Introduction to Data Science"
- Assisted Head of Department in designing and launching of new undergraduate programs
- Carried out innovative research on Distributed Systems, Cloud Computing, Network analytics and Big Data
- Published scholarly research in leading peer-reviewed international journals and conference proceedings

- Conducted seminars and workshops in the university college on the latest technology
- Participated in the designing and revision of the course outline for existing programs
- Manage industry tours for students
- Engaged in the activities that enhance the coordination and make a bridge between industry requirements and course outlines
- Managed student's attendance through portal
- Prepared examinations questions and assessment of students scripts
- Performed various kinds of administrative tasks

**MIMOS Berhad Artificial Intelligence Laboratory  
National Research & Development Centre Malaysia.**

**Sep 2013 to Sept 2015**

**S. Researcher**

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- Built intelligence high risk profile rules in Lisp and Prolog environment to analyze and track the suspects and their relations in the network.
- Applied various Social Network Analysis functions to identify high risk profile suspicious in the network
- Carried out research on big data semantic network analytics
- Carried out research on visualization and navigation of semantic knowledge bases
- Designed knowledge analysis and discovery systems
- Added innovative work for various semantic projects among team members through knowledge sharing session.
- Successfully developed one Proof-of –Concept on Anti Money Laundering System using semantic technology to track the suspicious characters in money transactions
- Developed semantic modules for various projects
- Demonstrated and presented current research activities
- Published new inventive knowledge for peer reviewed reputable conferences and journal publications
- Visualized various kinds of network to achieve the project objectives
- Utilized the semantic technology that creates new knowledge from existing data

**Monash University Sunway Campus,  
PhD Scholar**

**May 2009 to July 2013**

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- Carried out research on Semantic Resource Discovery services in Distributed Systems such as Grid and Cloud computing
- Designed and implemented a proximity-aware semantic-based resource discovery framework in a Grid Computing environment
- Produced research papers for leading Conferences and peer reviewed Journals
- Demonstrated high-level understanding of principles that used in the Grid systems
- Taught computer courses to undergraduate students
- To setup experiment environment and buildup research knowledge

**NED University of Engineering &Technology Karachi  
Lecturer cum IT Manager Senior**

**Sept 1997 –May 2009**

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- Taught undergraduate level computer courses to Engineering students
- Prepared tutorials, lectures and practical classes for Computer programming
- Was one of the key member in Planning, Designing and Implementation of LAN & WAN

- Established and Maintained Local Area Network under Windows Advance Server
- Manage Linux Sun Solaris Systems.
- Prepared feasibility reports for procurement of various IT products
- Supervised students working on group projects at the undergraduate Engineering level
- Facilitated students to buildup research knowledge
- Performed various administrative duties
- Worked together with other academic and administrative staff within the University to promote a confirmatory atmosphere in a student-focused environment
- Prepared exams questions and marked students scripts

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**Detroit Diesel (Daimler Chrysler Company) Detroit MI USA**  
**Intern**

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**Nov2004– Sep 2005**

- Help Desk support for Lotus Notes and BlackBerry users
- Installed Blackberry Software and interfaced with Lotus Notes Email in Blackberry Devices.
- Managed and configured the Web Trends Software and web users activities
- Developed and implemented the IT needs and requirements from various departments
- Developed Managed and modified various Lotus Notes databases
- Created, Setup and Configured the IBM Domino Lotus Notes Mailboxes
- Diagnose the problems and provide creative solutions in IBM Lotus Notes Email System
- Ensure the protection and security on various software applications

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**Hasani Institute of Technology**  
**Instructor**

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**Aug1995 – Sep 1997**

- Taught Computer and Electronics courses to associated engineering students
- Managed Computer and Electronics laboratories
- Conducted various tutorials & labs
- Performed administrative work and Invigilation duty
- Prepared Exam questions paper and marked student exams scripts

**Patent**

- System and Method for identifying implicit causal relationships from medical reports using social network analysis IP Disclosure No. 2804. Approved in IIPC MIMOS Registration No: 20140001672-2014, Application No: PI 2015704111, Intellectual property corporation of Malaysia

**Grant**

- Internal Grant: Sultan Qaboos University 2018 Title: “Development and Implementation of a system for identifying relationships of suspicious customers in money laundering using social networking functions” Code Number IG/EPS/INFS/18/01
- Deanship Grant: Sultan Qaboos University Sep 2019- Feb 2020 Title “An Evaluation of Opportunities and Risks of Blockchain Technology for Oman’s Governance Systems” Code Number RF/EPS/POLS/19/01

## Peer Reviewed Journal Publications

- **Shaikh, A.K.**, Ahmed, N., Khan, I., Ali, S., “E-participation within e-government: A bibliometric based systematic literature review” International Journal of Electronic Government Research ” Q2, pages 1-38, Nov 20, ISSN 15483894 (Forthcoming).
- **Shaikh, A.K.**, Al-Shamli, S.M., Nazir, A “Designing a Relational Model to Identify relationships between Suspicious Customers in Anti-Money Laundering (AML) Using Social Network Analysis (SNA)” Journal of Big data, Nov 2020 SJR Q1, Springer pages 1-32, ISSN 21961115 (Accepted and Forthcoming)
- Khan, I., **Shaikh, A.K.**, Hedjam, R., A “Ensemble Clustering using Extended Fuzzy k-Means for Cancer Data Analysis” Journal of Expert Systems with Applications” SJR Q1, Pages 1-12, Sept 20, ISSN 19479646 (Accepted and Forthcoming)
- Al-Alawi, L. R., Al-Busaidi, R., **Shaikh, A.K.** “Towards Security Enhancement of Blockchain-based Supply Chain” Journal of Science and Technology Walailak (WJST)” Q3, pages 1-15, Scopus Nov 20, ISSN 16863933 (Forthcoming).
- Alharizi, S.T, Al-Ariem, M., **Shaikh, A.K.**, “Determinants Influencing Intention to Use Social Commerce in Shopping: A Case Study of Oman” Journal of Electronic Commerce in Organizations, Web of Science ABDC, pages 1-22, Oct 28th, ISSN 15392937 (forthcoming)
- Al Harrasi A, **Shaikh, A.K.**, Al Ebadi A, “Protecting Organizations’ Data by Preventing Data Theft by Malicious Insiders”, International Journal of Technology (IJtech)., Oct 2019 Pages 1-12, Print ISSN: 2086-9614 Online ISSN: 2087-2100 SJR Q1 (Forthcoming)
- Shaikh, A. K., & Nazir, A. (2020). A novel dynamic approach to identifying suspicious customers in money transactions. International Journal of Business Intelligence and Data Mining, 17(2), 143-158., ISSN 1743-8195 April 2020, DOI: <https://doi.org/10.1504/IJBIDM.2020.108762>
- **Shaikh, A.K.**, Alhashmi, S. Parthiban, R, and Nazir, A “A Fuzzy Rule-based Optimization Model for efficient resource utilization in a Grid Environment using proximity awareness and Semantic Technology” March 2018, Journal of Information and Knowledge Management , Vol.17, No. 2 (2018), Pages 21, Print ISSN: 0219-6492, Online ISSN: 1793-6926, DOI. 0.1142/S0219649218500235.
- **Shaikh, A.K.**, Alhashmi, S. and Parthiban, R, “A proximity and semantic-aware optimization model for sub-domain based decentralized resource discovery in Grid computing” Journal of Information and Knowledge Management Vol. 15, No. 2 (2016) 1-25 pages Print ISSN: 0219-6492, Online ISSN: 1793-6926
- **Shaikh, A.K.**, Alhashmi, S. and Parthiban, R. “A Novel Optimization Model Based on Unification of Proximity and Semantic Similarity in Grid Computing” Journal of Software and Systems Development, pages 1-14 Vol (2015) Article ID 926190, DOI: 10.5171/2015.926190, ISSN No 2166-0824
- **Shaikh, A.K.**, Haque, A., Alhashmi, S. and Parthiban, R. “Efficient resource provisioning by means of a sub-domain based ontology and dynamic pricing in Grid computing” Journal of Cloud Computing, pages 1-15 Volume (2013), Article ID 149313, DOI: 10.5171/2013.149313, ISSN 2326-6538.

## Book Chapter

- **Shaikh A.K.**, Alhashmi S.M., Parthiban R. (2012) A Semantic Impact in Decentralized Resource Discovery Mechanism for Grid Computing Environments. In: Xiang Y., Stojmenovic I., Apduhan B.O., Wang G., Nakano K., Zomaya A. (eds) Algorithms and Architectures for Parallel Processing. ICA3PP 2012. Lecture Notes in Computer Science, vol 7440. Springer, Berlin, Heidelberg, ISBN 978-3-642-33064-3, Chapter 22.

## Conference Publications

- **Shaikh, A.K.**, Smith,L., “A Conceptual Model for E-Participation by Omani Citizens” International Conference on New Computer Science and Engineering Trends “NCSET2020” July 1st- 2nd, 2020 Istanbul Turkey (Indexing of completed proceedings to ISI Journals )
- Al Abri, R., **Shaikh, A.K.**, Smith, L. and Al-Badi, A, “Designing of a Framework for Electronic Voting Systems using Blockchain Technology” Proc. 34th International Conference on Business Information Management Association (IBIMA 2019), Nov 2019, Madrid, Spain (Indexing of completed proceedings to Scopus and Web of Science )
- Khalid M,S., Al-Badi, A and **Shaikh A K.**, “Behavioral Intention for Adopting Blockchain in Supply Chain Management: Case Study in Oman Industry” Proc. 34th International Conference on Business Information Management Association (IBIMA 2019), Nov 2019, Madrid, Spain (Indexing of completed proceedings to Scopus and Web of Science )
- Al-Harrasi,A., Al-Badi, A, and **Shaikh A.K.**, “Blockchain to Eliminate Intermediaries: Smart Contracts” Proc. 34th International Conference on Business Information Management Association (IBIMA 2019), Nov 2019, Madrid, Spain (Indexing of completed proceedings to Scopus and Web of Science )
- **Shaikh, A.K.**, Nazir, A “A Model for Identifying Relationships of Suspicious Customers in Money Laundering using Social Network Functions ” The 2018 International Conference of Computational Statistics and Data Engineering (ICCSDE'18), Proceedings of the World Congress on Engineering 2018 Vol I, PP 141-144, WCE 2018, ISBN: 978-988-14047-9-4, ISSN: 2078-0958 (Print); ISSN: 2078-0966 (Online) July 4-6, 2018, London, U.K.
- **Shaikh, A.K.** and AL Hashmi, S, “A sub-domain semantic and proximity-based decentralized resource discovery for Grid Computing” Proc. 24th International Conference on Business Information Management Association (IBIMA 2014), Nov 2014, Italy.
- **Shaikh, A.K.**, Haque,A., Alhashmi, S. and Parthiban, R, “Ontology-based Decentralized Resource Provisioning in Economic Grids” Proc. 20th International Conference on Business Information Management Association (IBIMA 2013), pages. 266-278,March 2013, Kuala Lumpur, Malaysia
- **Shaikh, A.K.**, S. Alhashmi, and R. Parthiban, A Semantic Impact in Decentralized Resource Discovery Mechanism for Grid Computing Environments, in Algorithms and Architectures for Parallel Processing. ACM Digital Library, pages 206-216, September 2012, Springer Berlin Heidelberg Fukuoka, Japan
- **Shaikh, A.K.**, Alhashmi, S. and Parthiban, R. (2011). “A semantic decentralized Chord-based resource discovery model for Grid computing”, The 17th IEEE International Conference on Parallel and Distributed Systems (ICPADS 2011), p. 142-148 December 7-9, 2011, Tainan Taiwan.
- **Shaikh, A.K.**, Alhashmi, S. and Parthiban, R. (2011). “A Semantic-based centralized resource discovery model for Grid computing”, The 2011 International Conference on Grid and Distributed Computing (GDC 2011), pages,161-170, Springer Berlin Heidelberg December 8-10, 2011, Korea.
- **Shaikh, A.K.**, Alhashmi, S. and Parthiban, R. (2010). “Multi-Agent based and semantic supported decentralized resource discovery for Grid computing environment”, 1st ARCHER International Conference (ARCHER 10), 18th October, 2010, Melbourne Australia.

- **Shaikh, A.K.**, Alhashmi, S. and Parthiban, R. (2010). "Towards improving resource discovery in Grid computing using semantic and multi-agent methodology", Annual International Conference on Advances in Distributed and Parallel Computing (ADPC 2010), p.97-1021-2 November, 2010, Singapore.

## Research Supervisions

**PhD Supervision ( 2019- to date)** Information Security Awareness Practices at Oman Government Agencies

## MSc (Information Systems) Supervision

- Master of Science, Sultan Qaboos University Oman (2018- 2020)  
Title: Designing of Electronic voting system using Blockchain Technology
- Master of Political Science, Sultan Qaboos University Oman (2019- 2020)  
Title: The Relationship between Political Regimes and E-Government Performance
- Master of Science, Sultan Qaboos University Oman (2018- to date)  
Title: Exploring the Factors Impacting the Adoption of Big Data Analytics for Data-Driven Decision Making in the Oil and Gas Industry (2018- 2020)
- Master of Science, Sultan Qaboos University Oman (2017- 2019)  
Title: Cloud Computing Adaption in Omani SMEs
- Master of Technology in Computer Science (2016-2018)  
Title: A system for Remote Monitoring and Controlling of Dams
- Master of Technology in Computer Science (2016-2017)  
Title: Development & Implementation of Point of Sale

## Research Examinations

- Internal Examiner : Master of Science Information System Department Sultan Qaboos University Oman (2020)  
Title: An analysis of consumer intention towards adopting Artificial Intelligence-enabled Fintech applications: Towards an integrated model
- Internal Examiner : Master of Science Information System Department Sultan Qaboos University Oman (2020)  
Title: Knowledge Sharing in Government Sector: ICT Knowledge Workers' Perspectives on Risks And Controls
- Internal Examiner : Master of Science Information System Department Sultan Qaboos University Oman (2019)  
Title: Knowledge Sharing in Government Sector: ICT Knowledge Workers' Perspectives on Risks And Controls
- Internal Examiner : Master of Science Information System Department Sultan Qaboos University Oman (2018)  
Title: Machine Learning to detect attacks on Cyber Physical Systems: An Experiment on Smart Grid Communication Network
- Internal Examiner : Master of Technology in Computer Science (2016)  
Title: Iceberg Confidence Schema for an Optimized DDoS Attacks Mitigation

## Research Reviewed

- “Usability and accessibility evaluation of Pakistan's government websites for the publication of “Internation Journal of Electronic Government” Blind reviewed, InderScience Submisssion, Sept 2020
- “A Comparison of Machine Learning Techniques for Android Malware Detection using Apache Spark” for the Journal of Engineering Science and Technology (JESTEC) Oct 2018.
- “Adoption Of Cloud Computing Services For Sustainable Development Of Commercial Banks In Uganda” for the publication of Journal of Cloud Computing IBIMA Publishing USA Blind reviewed June 2018,
- “CASCloud : An Open Source Private Cloud for Higher Education” The 4th Free and Open Source Software CONFERENCE FOSSC-Oman-2019 SQU-ITA, Muscat, Oman Nov, 2018
- “An Insight on cloud computing and the small and medium size enterprises (“SMEs”) in KSA: Issues and Challenges” for 30<sup>th</sup> IBIMA International Conference Madrid, Spain 8-9 November 2017.

## Journal Member of Editorial Board and Reviewer

- Journal of Cloud Computing IBIMA Publishing
- International Journal on Data Science and Technology
- Journal of Engineering Science and Technology (JESTEC)

## COURSES TAUGHT

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- Introduction to Big data Analytics
- Health Informatics
- Business Data Communication and Networking
- E-business Development & Management (Postgraduate)
- Thesis in Information Systems (Postgraduate)
- Information Systems Security Undergraduate
- Information Systems Security Post-graduate
- Introduction to Management Information System
- Management Information Systems for MBA
- Database Management System
- Network and System administration
- Data Management,
- Network standards and specifications
- Computer Programming Java, C++
- WebSystem-2
- Distributed Systems
- Web System-3
- Artificial Intelligence
- Knowledge Management Systems
- Data Structures
- Analysis of Algorithms
- Introduction to Computer Security

- System Analysis and Design (MBA)
- Knowledge Management & Data Mining (Postgraduate)
- Introduction to Data Science
- Final Year Projects

## **TECHNICAL SKILLS**

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| • Network Operating Systems                  | <i>Linux Kali, Windows Advance Server</i>   |
| • Programming Environments                   | <i>Spring Tool Suit, Netbeans, Microsoft Visual Studio,</i>   |
| • Programming Languages                      | <i>Java, Lisp, , MatLab,C++,Prolog,Turbo Pascal, Visual Basic, R Programming Language</i>   |
| • Scripting Language & Web                   | <i>PHP, HTML,Cold Fusion, FrontPage, WebTrends</i>  |
| • Databases & Knowledgebase                  | <i>MYSQL, SQL Server, Oracle , Graph Database AllegroGraph, Hadoop</i>  |
| • Simulators                                 | <i>NetLogo, GridSim, PlanetSim.FreePastry,SSNA</i>  |
| • Online Teaching & Student Engagement tools | <i>OBS studio, Google Meet, BigBlueButton Moodle</i>  |
| • Miscellaneous                              | <i>R-Studio,Graph Theory, Knowledge Engineering, Network Architecture, Mathematica, Web Services Development and Deployment, SPSS (Statistics Software),Moodle learning Management Software, Visio, Top Braid, Protégé, VirtualBox,Google Meet, Zoom Communicator</i> |
|  | <i>BlackBoard,Team Viwer,Logmein,Turnitin, KMF Technologies, SAP HANA, Encryption&amp;Decryption.</i>   |

## **ORGANIZATIONAL SKILLS**

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- Ability to use technology effectively in teaching
- Ability to work independently and with team collaboration
- Ability to establish effective social and interpersonal relationships with students and colleagues
- Expertise in teaching and conducting tutorials
- Well discipline, sincere and high wisdom of ethics
- Easy adaption in dynamic environment
- Ability to achieve high throughput in limited resources
- Capability to find the best solution in a critical situations
- Analytical, and Creative Skills
- Time Management Skills
- Ability to work with different cultural backgrounds employees
- Ability to use cutting edge technology in decision-making

## **TRAINING, SEMINARS & WORKSHOPS**

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- Sessional Teaching Essentials Program 2010 by Monash University Australia
- Microsoft Windows Azure – Cloud Computing for Researchers by Microsoft Malaysia December, 2010
- Oracle 7.2 by NED University Karachi
- Grid Computing Workshop for P-Grade Portal by MIMOS Malaysia 2011
- Knowledge Sharing Session on “Open Cirrus Cloud Computing global research Testbed” by MIMOS Malaysia

- Project Management IDA (World Bank) Development Project.
- Computerized Inventory Management by NED University
- References using Endnote, Research data management, Writing the literature review, Editing the thesis, Academic Presentations, Efficient Reading Strategies, Time Management) at Monash University.
- Workshop of Advanced Database Theories by Help University 2012
- Packet Analysis using Wireshark by University of Technology Malaysia.
- Workshop on E-Research Platform and Services: High Performance Computing and Sakai; a Virtual Research Environment by Prof. Chris Messom Monash University, 2013.
- Academic Writing Forum: The sharing of experience and Best Practices in Publishing Articles for International Refereed Journal conducted by Centre for leadership, Research and Innovation AKEPT and Monash University.
- LISP and Prolog Rule System conducted by Franz Inc. USA 2013
- Mathematica V9 Essential by Wolfram Research Malaysia Nov 2013
- Accelerative Technologies and Cuda Programming for Parallel Computing conducted by MIMOS Berhad July 2014
- Internet of Things Technical Working Group Workshop (IoT TWG) conducted by MIMOS May 2014
- Summer school on next generation paradigms in Information Technology Aug 2014 conducted by the International Federation for Information Processing Technical Committee on Artificial Intelligence and MIMOS Berhad.
- Intellectual Property Workshop for Information and Computer Technology Division conducted by MIMOS Berhad Aug 2014
- The GPU workshop Big Data Analytics organized by MIMOS and NVIDIA Oct 2014
- Workshop on KMF Technology conducted by Artificial Intelligence Laboratory MIMOS Malaysia Feb 2015
- MyIoT (Internet of Things) Week 2015 organized by Ministry of Science & Technology & MIMOS Malaysia Aug 2015
- Faculty Development Program on “Big Data to Insights” Organized by Department of Computer Science and Information Technology Mazoon University College March, 2016
- First Academic Advising workshop Organized by College of Economics and Political Science Qaboos University March, 2017
- Seminar on Big Data as Service Organized by Sultan Qaboos University May 2017
- Workshop on latest Telecommunication Technology conducted by Telecommunication Regularity Authority and Huawei Workshop May 2017
- Seminar on a new design template of a course outline conducted by Sultan Qaboos University May 2017
- One day workshop on Critical thinking skills for the 21st Century conducted by Center of Excellence in Teaching & Learning Sultan Qaboos University May 2017
- Risk Assessment Principle seminar conducted by Risk Management Office Sultan Qaboos University Nov 1, 2017.
- One week innovation training for SAP ERP, SAP S/4 HANA, SAP HANA, SAP Leonardo, Industri 4.0, Analytics and various exponential technologies and SAP

Next-Gen initiatives conduct by SAP Next-Gen/University Alliances Network and Abu Dhabi University November 19– 23, 2017.

- Workshop on “From classroom to MOOCs: design your first Massive Open Online Course” Organized by Research & Development department, CET Sultan Qaboos University Thursday, February 8, 2018.
- One day Workshop on IOT (The key enabler of Smarter World) conducted by IEEE Oman Chapter Trainer Wafeeq Ajoor National health Regularity Bahrain Feb 11,2018
- Workshop for faculty on “Turnitin” conducted by Center for Preparatory Studies Mr. Robert Mc Mullin Feb 15, 2018 Sultan Qaboos University.
- Workshop on CKM (Certified Knowledge Management) conducted by Knowledge Management Institute USA at Muscat University Oman March 11 to March 15, 2018
- Conducted a Guest Speaker lecture for Information Systems Security, OMAN National PKI as a Security Architecture and its roles in providing secure electronic services April, 2018
- Workshop on Highlighting Change: Teaching and Learning at Sultan Qaboos University Nov 11, 2018 Conducted by RMO & Center of Excellence in Teaching & Learning
- Conducted a workshop for Faculty of Information Systems Department on Computerized Assessment Tool and Online Quiz setup on December, 27th 2018, College of Economics and Political Science Sultan Qaboos University.
- SQU 2<sup>nd</sup> Information Systems 2018 Forum “Business Intelligence and Big Data Analytics” March 20-21, 2019, Conducted by Information Systems Department Sultan Qaboos University
- Potential Faculty Seminar: A Real Use Case of Sentiment Analysis Project: From Analysis to Implementation at Sultan Qaboos University 18th March 2019
- Seminar: PDO Majlis on Knowledge Management at Institute of Oil & Gas Sultan Qaboos University Mar 24, 2019
- Conducted an industry-based Guest Speaker lecture for Information Systems Security, OMAN National PKI as a Security Architecture and its roles in providing secure electronic services April, 2019
- Workshop on Undergraduate Academic Advising for Advisors Spring 2019 (April 2019) conducted by Assistant Dean for Undergraduate study Sultan Qaboos University Muscat Oman
- Workshop on Innovating Education with Social Networks : Social Classrooms April 28-30/2019 at the Sondos Rotana Hotel Muscat Oman Conducted by: Sultan Qaboos University.
- Conducted an Orientation program for Post-graduate students of Fall 2019 intake, September, 23<sup>rd</sup>, 2019 Information Systems Department Sultan Qaboos University.
- Conducted a thesis seminar on “ An Exploratory Study of the Key Enabling Factors of Data Governance (DG) Implementation in the Public Sector in Oman” by Salem Omar Mubarak Al Areimi Sep 2019 College Board Room Department of Information Systems Sultan Qaboos University.

- Conducted a thesis seminar on “The Impact of Big Data Analytics on Decision Making: A Case Study in Oil and Gas Company” by Abir AL-Harrasi Sep 2019 College Board Room Department of Information Systems Sultan Qaboos University.
- Conducted a thesis seminar on ‘Detection Process Model for Selfish Mining in Ethereum” by Nupur Naroia Nov 2019 College Board Room Department of Information Systems Sultan Qaboos University
- Workshop on Teaching through Case-method and Case Writing conducted by College of Economics and Political Science Oct 2-Oct 3, 2019
- Seminar “Innovative Graph Theoretic and Population Based Approaches for Big Data Analytics in Health Applications” by Prof Hesham H. Ali UNO Bioinformatics Core Facility College of Information Science and Technology University of Nebraska at Omaha USA” Conducted by Sultan Qaboos University 22nd October 2019.
- Attended a Workshop on " Teaching Critical Thinking", Organized by Center For Excellence in Teaching & Learning (CETL), 24 October 2019, College of Education, Sultan Qaboos University.
- Conducted a thesis seminar on ‘Factors Influencing the development and implementation of Cyber Security Strategy in the Public Sector” by Jihan Al Shukeili Nov 2019 College Board Room Department of Information Systems Sultan Qaboos University
- Conducted a thesis seminar on ‘Exploring the relationship between information technology governance and project governance and their impact on the project success (Oman)” by Asiya Al Blushi Dec 2019 College Board Room Department of Information Systems Sultan Qaboos University
- Conducted and presented a talk on Workshop titled: Bigdata and Artificial intelligence workshop in Healthcare” Dec 2019 College of Medicine Sultan Qaboos University.
- Seminar conducted by The International Cooperation Office SQU titled “Cyber Security: Geo-Political Impact and Responses” Dec 16, 2019 By Prof. Deeph Chana Co-Director of Institute for Security Science & Tech United Kingdom.
- Seminar on : Global Cyber Security Threats and Trends By Dr. Ian levy National Cyber Security Center United Kingdom Feb 04/02/2020 Conducted by: International Cooperative Office Sultan Qaboos University
- Webinar: ELearning: Effective Online Instruction: Welcoming Students to your Online Environment April 2, 2020 conducted by Association of University and College Educators
- Conducted Thesis Defense Webinar on “ An analysis of consumer intention towards adopting Artificial Intelligence-enabled Fintech applications: Towards an integrated model” by Noora Al Jilani June 2020, via Google Meet, Department of Information Systems Sultan Qaboos University
- Conducted Thesis Defense Webinar on “Designing a Framework For Electronic Voting Systems Using Blockchain Technology” by Raya Nasr Hamood Al Abri June 2020, Via Google Meet, Department of Information Systems Sultan Qaboos University
- Conducted Thesis Defense Webinar on “ An Effective and Feasible Knowledge Management Infrastructure for Knowledge Capture: A case study in a government organization” by Malak Al Numani June 2020, via Google Meet, Department of Information Systems Sultan Qaboos University

- Conducted Thesis Defense Webinar on “ An Effective and Feasible Knowledge Management Infrastructure for Knowledge Capture: A case study in a government organization” by Malak Al Numani June 2020, via Google Meet, Department of Information Systems Sultan Qaboos University
- Conducted Thesis Defense Webinar on “ The Impact of Big Data Analytics on Decision Making: A Case Study in Oil and Gas Company” by Abir Said Sulaiman AL-Harrasi June 2020, via Google Meet, Department of Information Systems Sultan Qaboos University
- Conducted an Orientation program for Post-graduate students of Fall 2020 intake, October, 8th, 2020 Information Systems Department Sultan Qaboos University.

## **COMMUNITY OF SERVICES**

- Member of Adhoc Committee for conducting PhD Interviews of Fall 2019 intake on April 22, 2019 at Information Science depart College of Arts and Social Science Sultan Qaboos University
- Oman KM Community Seminar Meeting at ITA Muscat Oman May 1st, 2019
- Chair of Post Graduate and Research Committee at College level Since Spring 18-to-date
- Member of IDG academic advisor/ staff student liaison Since Spring 2019 to-date
- Member of KM & BI Track Committee Since Spring 17 to-date
- Member of Net & IS Security Track Since Spring 17 to-date
- Member of MIS Track Committee Since Spring 17 to-date

## **CERTIFICATION**

- Certified Knowledge Management Certification, Knowledge Management Institute USA March 24, 2018
- Introduction to Big Data University of California, San Diego USA 2015
- Course Data Scientist Enablement DSE 400 - Fast Track to Big Data Science by Advanced Center of Excellence Modern Renaissance Corporation Jan 2014
- Introduction to Data Science University of Washington USA Sep 2014
- Social Network Analysis University of Michigan USA Dec 2014
- Cisco Certified Network Associate (CCNA)

## **PROJECTS**

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- Designed and Developed Anti-Money Laundering Solution to identify a suspicious customers
- Measuring the impact of social media involvement in learning and teaching
- Investigating factors influencing User’s intentions to obtain products via social commerce
- UPSARS Model for optimal allocation for Grid Computing
- Semantic-based Resource Provisioning Model for Grid Computing
- Chord-based Resource Discovery Model for Grid Computing
- Centralized Resource Discovery Model for Grid Computing
- Learning Management System

- Private Practice Management System
- Online Used Computer system
- Process Engineering Plan
- Information security implementation plan for Heavy Metal Technologies (US Company)
- Implementation of Squirrel mail web-based email system on Linux platform
- Online Form Routing Email

## **ACHIEVEMENTS**

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- Passed CKM Certified Knowledge Manager exam with distinction 24th March 2017 conducted by Knowledge Management Institute FL USA
- Merit Award in Software Process Management
- Passed Cisco Certified Network Associate (CCNA)
- Disclosed one patent on System and Method for identifying implicit causal relationships from medical reports using social network analysis
- Completed Sessional Teaching Essentials Program 2010 by Monash University Australia
- Obtained GPA 3.9/4.0, M.Sc. (Computer & Information System) University of Detroit mercy MI USA
- Honor of President merit scholarship for undergraduate engineering degree
- Honor of Higher Degree Research scholarship for PhD at Monash University Australia.
- Nominated Best Teaching award for 2013 Network & System Administration course at Monash University.

## **MEMBERSHIPS**

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- ACM (Association for Computing Machinery, Inc)
- International Association of Engineers
- Blockchain Club Oman
- Scientific & Technical Research Association
- The Network Professional Association (NPA)
- Professional Member of Australian Computer Society (ACS).
- Microsoft Software Network
- Oracle Learning Network
- IBM Lotus Notes
- Linux Foundations
- Life member of Pak Engineering Council and Computer Society
- CISCO Systems

## **REFERENCES**

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### **2. Prof. Dr. Rajendran Parthiban**

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