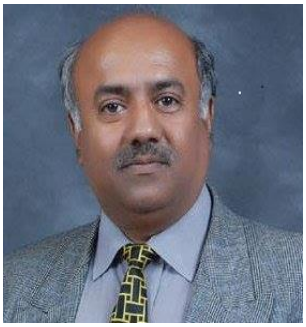
ASADULLAH SHAH



Family Name	Syed
First Name	Asadullah Shah
Country	Pakistan
Religion	Islam
Date of Birth	20th March 1961
Marital Status	Married (Four Children)
Mailing Address (Malaysia)	Department of Computer Science, Faculty of Information and Communication Technologies, International Islamic University Malaysia (IIUM), Kuala Lumpur (KL), Jalan Gombak, 53100, Malaysia.
Mailing Address (Pakistan)	Flat#306, Block O, Iqra complex, Perfume chowk, Gulistan-e-Johar, Karachi. Office: +603-6196 5627, Fax: +603-6196 5179.
Telephone Numbers	Mobile: +601-6297 7026
Email Addresses:	dr.asadullah.shah@gmail.com asadullah@iium.edu.my

Academic Qualification:

Matriculation Science (1977)
Intermediate Pre-Engineering (1979)
Board of Intermediate and Secondary Education, Hyderabad.

B. Sc. (Hons) Electronics (1980-84)
M. Sc. (Final) Computer Technology (1984-85)
Institute of Physics and Technology, University of Sindh, Jamshoro, Pakistan.

Ph. D. Information Technology (Multimedia Communications) (1998)
Center of Communication Systems Research, School of Electronics Engineering, Information Technology and Mathematics, University of Surrey, Guildford, UK.

Employment Record:

Head of Department (HoD)
Department of Information Systems
Kulliyyah of Information and Communication Technology
International Islamic University Malaysia
1st August 2015 **to 31 December 2017.**

Head of Research (HOR)
Kulliyyah of Information and Communication Technology
International Islamic University Malaysia
1st December 2011 to 30 June 2013.

Professor
Department of Information Systems
Kulliyyah of Information and Communication Technology
International Islamic University Malaysia
12 November 2012 to date

Professor,
Department of Computer Science
Kulliyyah of Information & Communication Technologies
International Islamic University Malaysia
11 January 2011 – 11 November 2012.

Head of Department (HoD)
Department of Telecommunication Engineering & Management
Institute of Business Management (IoBM), Karachi
07th February 2010 – 03 January 2011

Head of Department (Faculty of IT)
Department of Telecommunication Engineering & Computer Science
Sukkur IBA
21 February 2009 – 6th February 2010

Acting Director,
Sukkur IBA
(6th November 2009 – 29th November 2009)

Professor, Department of Information Technology,
IBA Sukkur
21st February 2009 – 6th February 2010

Dean, Faculty of Computer and Management Sciences
Isra University, 6 August 2002 – 20 February 2009

Chairperson, Department of Computer Science,
Isra University, 26 October 1998 – to 5 August 2002

Controller of Examinations
Isra University, October 1998 to 11 August 2002

Professor, 26 October 2001 – 20 February 2009.
Department of Computer Science, Isra University, Hyderabad.

Associate Professor, **1 April 2000 – 25 October 2001**
Department of Computer Science, Isra University, Hyderabad.

Assistant Professor, **26 October 1998 – 31 March 2000**
Department of Computer Sciences, Isra University, Hyderabad.

Lecturer, 25 January 1986 – 25 October 1998
Institute of Physics and Technology (Information Technology),
University of Sindh, Jamshoro.

Journal editor:

1. Chief editor "Journal of Information Systems and Digital technologies" International Islamic University Malaysia, 1- Jan 2019- 31 Dec 2019
2. Editor in chief "Journal of Information systems and Digital Technologies" 2 Jan 2020- 31 Dec 2020.
3. Associate editor, Journal of Computer and Communication Engineering, Gulf University, Bahrain, 2017 to date.

Appointment as a Trainer for Professional Training and Lectures

1. Webinar KICT "Smart learning Environments" KICT Knowledge sharing Webinars series , 28Th October 2020.
2. Webinar; On smart learning" Bath Spa University UAE, 9th November Monday 2020.
3. Invited at Faculty of Engineering, IIUM, a seminar on "Research methodologies and triangulations" 15 November 2019. International Islamic University Malaysia.
4. Invited workshop at Kulliyyah of Economics and management sciences, IIUM "literature review, search, search strategies and beyond" 12 October 2019- 9-11 am. At IIUM KECMS.
5. Appointed as trainer and resource person at SLEU-IIUM 5TH October 2019, "Thesis proposal writing".
6. Appointed as trainer and resource person at SLEU – IIUM, 27 April 2019, "Thesis writing in English" 2019.
7. Invited lecture- Graz University Austria, 6th September 2018 "Literature review Reference model" 2018.
8. Appointed as a trainer on "understanding research and developing research questions", 24 November 2018, SLEU, IIUM.
9. Appointed as a trainer on "Thesis proposal writing" 29 September 2018 SLEU, IIUM
10. Appointed as a trainer on "Research methodologies" 30 September 2018, SLEU, IIUM
11. Workshop on how to write a Thesis proposal?" Postgraduate society, IIUM, 22 July 2018.
12. Appointed as a trainer for SMART workshops at Student Smart Learning and Research Training Unit (SMART) "Research methodology" 26 July 2018, IIUM Gombak Campus, Malaysia.
13. Workshop on how to defense a Thesis proposal?" Postgraduate society, IIUM, 14 March 2018.
14. Appointed as a trainer for SMART workshops at Student Smart Learning and Research Training Unit (SMART) "Research methodology" 3 March 2018, IIUM Gombak Campus, Malaysia.
15. Appointed as a trainer for SMART workshops at Student Smart Learning and Research Training Unit (SMART) "Thesis proposal writing" 4 March IIUM, 2018, Gombak Campus, Malaysia.
16. Appointed as a trainer for SMART workshops at Student Smart Learning and Research Training Unit (SMART) "How to do literature review" 10 March 2018, IIUM, Gombak Campus, Malaysia.
17. Appointed as a trainer for SMART workshops at Student Smart Learning and Research Training Unit (SMART) "Thesis proposal writing in English" 7 October 2017, IIUM, Gombak Campus, Malaysia.
18. Workshop delivered at SLEU entitled "Research methodology" 18 Fab, 2017, IIUM, 2017, Gombak Campus, Malaysia.
19. Workshop delivered at SLEU entitled "Thesis proposal writing in English" 19 February 2017, IIUM, Gombak Campus, Malaysia.
20. Workshop delivered at SLEU entitled "Research methodology" 15 July, 2017, IIUM, 2017, Gombak Campus, Malaysia.

21. Workshop delivered at SLEU entitled “Thesis proposal writing in English” 14 July, 2017, IIUM, Gombak Campus, Malaysia.
22. Seminar delivered on 12th February 2016 faculty of Engineering, International Islamic University “Research methodologies”.
23. Conducted a 1-Day workshop on “Academic Literature Review” at SLEU, International Islamic University Malaysia, 21 February 2016.
24. Conducted a 1-Day workshop on “Thesis proposal Writing” at SLEU, International Islamic University Malaysia, 20 February 2016.
25. Conducted a 2-day workshop on “Literature review from effective searching approaches to the ways of writing literature”, 18-19h October 2015, Panoply Consultancy, Petaling Java Malaysia.
26. Workshop conducted on “Thesis proposal Writing” on 27th June 2015, SLEU, IIUM, Malaysia.
27. Workshop conducted on “Thesis proposal Writing” on 14 February 2015, SLEU, IIUM, Malaysia.
28. Conducted a 2-day workshop on “Literature review from effective searching approaches to the ways of writing literature”, 24-25th January 2015, Panoply Consultancy, University of Malaysia (UM).
29. Workshop: Developing quantitative research methods, SLEU, IIUM, Malaysia, 2nd November. 2014.
30. Workshop: Research methodologies at SLEU, IIUM, 17 October 2014
31. Workshop: Research proposal writing at SLEU, IIUM, 19 September 2014
32. Workshop: Research methodologies at SLEU, IIUM, 18 July 2014
33. Workshop: Thesis proposal writing in English at SLEU, IIUM, 27 June 2014.
34. Research methodologies – Case study and Survey, SLEU International Islamic University Malaysia, 7 March 2014.
35. Research proposal writing SLEU International Islamic University Malaysia, 14 February 2014.
36. Thesis proposal writing, SLEU International Islamic University Malaysia, 12 February 2014.
37. Workshop at KICT-IIUM “KICT RESEARCH ROAD MAP” by Professor Zahari, 10, 1,2014, International Islamic University Malaysia
38. Workshop at KICT-IIUM “KICT RESEARCH ROAD MAP” by Professor Zahari, 19, 12, 2013, International Islamic University Malaysia.
39. Workshop at IIUM “Thesis proposal writing and literature review” 9 November 2013, Organized by Pakistan student society, IIUM Malaysia
40. Workshop at IIUM “Research methodologies” “Case study and surveys” 16 November 2013. Organized by Pakistan Student society, IIUM Malaysia.
41. Workshop at SLEU-IIUM “Thesis proposal writing” 19th September 2013
42. Workshop at SLEU-IIUM “Research Methodologies” 11th October 2013.
43. Workshop at SLEU-IIUM “Research Methodologies” 18th July 2013.
44. Workshop at SLEU –IIUM, “Thesis proposal writing” 2nd July 2013.
45. Workshop at SLEU-IIUM “Research Methodologies” 5th April 2013.
46. Workshop at SLEU-IIUM “Thesis Proposal Writing” 15th March 2013.
47. Workshop at SLEU “Research Methodology” 18th November 2012.
48. Workshop at SLEU “Thesis proposal writing” 2nd November 2012.
49. Workshop at SLEU “Research Methodology” 13th July 2012.
50. Workshop at SLEU “Thesis proposal writing”, 6th July 2012.
51. Conducted workshop “Action Research Methodology” 21 April 2012.
52. Conducted workshop “Case Studies as Research Methodology”, 10 April 2012.
53. Conducted workshop “Scales of Measurements” KICT-IIUM, 10 March 2012
54. Workshop on winning research proposal 29th November 2012, RMC, IIUM, Malaysia.
55. 1st PROFESSORIAL dialogue, 21-22 May 2012, KICT, IIUM council of Professors in collaboration with RMC, IIUM.

56. Maximizing Bandwidth Efficiency of Statistical Multiplexer Architecture Using Frame Dropping methods" (KICT seminars 2011).
57. Conducted workshop "Research Designs" KICT-IIUM, 9th December 2011.
58. Conducted a workshop on "Fundamentals of Research" KICT, International Islamic University Malaysia, 25th November 2011.
59. Conducted a workshop on "Defense of research proposal tricks and tips" Kulliyyah of Information Technology (KICT) International Islamic University Malaysia, 21 October 2011.
60. Attended a two-day workshop on "The insider's tips for getting published" by Prof Ismail Khalil, Johannes Kepler University Linz, Austria, 2-3 August 2011).
61. Attended Workshop on Developing Marketing Strategy and Business Plan for IIUM 26-27th July 2011.
62. Pacling 2011, Poster paper Evaluated (19-21) July 2011.
63. Chaired a session and participated in Twelfth Conference, "Pacific Association for Computational Linguistics (PACLING)", 19 -21 July 2011, International Islamic University Malaysia, Kuala Lumpur, organized by KICT, PACLING, and Lingua Matrix.
64. Ta'aruf and Intellectual Discourse No.39 (TIDE 39) for IIUM Academic Staff, 11th-14th July 2011, Cultural Activity Centre (CAC) IIUM Gombak, Malaysia.
65. Balanced Score Card Workshop 2011, 8th July 2011, Kelab Darul Ehsan, Ampang.
66. KICT –RESEARCH SEMINARS 2011, 22-23 June 2011.
67. KICT-IEEP 2011, 16-19 June 2011, venue KICT and Suria Cherating Beach Resort, Penang. Theme was 1 KICT-1ukhuwwah.
68. Attended KVC workshop on edited books, held on 13-14 June 2011, IIUM, Gombak Campus Malaysia.
69. Attended Knowledge and Virtue camp (KVC), IIUM, Cultural activity Center, 11 MAY 2011.
70. Attended meeting with edited books and editors, 10 May 2011, senate hall, IIUM.
71. Attended a presentation of PRGS, Research Management Centre, IIUM, 29 April 2011.
72. Attended workshop "IIUM Institutional Repository Workshop" 22, April 2011, Research Management Centre, 2011.
73. Attended a lecture on "Smart Phones for Sports Training" By Dr. Ken Taylor from CSIRO (Commonwealth Scientific and Industrial Research Organization)-Australia, 15The April 2011.
74. Attended a lecture on "Development of Knowledge Management based on Management of Technology" by Prof. Nazir Harjanto, Indonesian Institute of Science-Indonesia. 15th April 2011.
75. Attended a lecture on university integrity programme no.03/2011 (Talk), held at IIUM senate hall, 8 April 2011. Gombak Campus Malaysia.
76. Attended KVC Programme: LOKI & SLT workshop, 6th April 2011. International Islamic University Malaysia, IIUM Gombak.
77. Attended MCB Mobile Commerce 2010. 3rd International Mobile Conference" Karachi, Pakistan. March 18, 2010.
78. Attended, Conference on "Development of Sindh", IoBM, Karachi, January 2010.
79. Attended 5th Information and Communication Technology Exhibition and Conference, Connect 2010, 8th May-11th May 2010.
80. Attended colloquium, "Risk Management", IoBM, Karachi, March 13, 2010.
81. Two days workshop "Internal Quality Assurance Mechanism: Enhancing Quality of Education", organized by HEC Islamabad at Shah Abdul Latif University, Khairpur-Sindh, 24-25 November 2009.
82. Conference on fundraising, Organized by HEC –USAID, Islamabad, April 25-26 2009.
83. Seminar "Vision for the Future of IT in Pakistan" Organized by JCI (Junior Chamber International City at Hyderabad 22 February 2004.
84. Seminar on "STDM Architectures for Low Bandwidth Channel" Civil Aviation Authority Hyderabad in August 2003.

85. Organized Software Exhibition and 3 days seminars at Expo Asia 2002, Hyderabad, September 2002
86. Seminar delivered on Text Compression, Sindhi Language Authority, Hyderabad
87. Design of courses for M.Phil. and Ph. D. programs in Multimedia and Computer Communications, Institute of Information Technology, University of Sindh
88. Many seminars delivered and attended within the CCSE-SSTL and CSER, UK.
89. Research and Surrey Satellite Technology Limited (CSER-SSTL), University of Surrey, UK. (21 – 25 March 1994)
90. Short Course in Satellite Communication, Center for Systems Engineering
91. Postgraduate Research in Information Technology (Fax tone Detection Low Bit Rate Speech Packetization and Statistical Multiplexer Design.)
92. Part-time teaching in the Institute of Business Studies, University of Sindh, Jamshoro (1991-92).
93. Workshop attended: Social Computing by Professor Alistair Sutcliff, IIUM, Malaysia, 23 October 2014.
94. Workshop attended: Sharing research experiences by Professor Alistair Sutcliff, IIUM, Malaysia, 29 October 2014.
95. Workshop attended: Advanced Statistics and SPSS, University Malaysia 9UM), 11-12 October 2014.
96. Workshop Attended: Assessing research proposal" RMC, IIUM 26th March 2014.
97. Workshop attended: ICT Research road map, by the professor Zahari, 14, March 2014.

Research Areas:

Area 1: Data Compression
Area 2: Green computing
Area 3: Cloud computing
Area 4: Social media and Big Data Analytics
Area 5: Information Systems and e-learning
Area 6: Computer Security

Research: Post Doctorate supervision:

1. Web 2.0 Facebook based lifelong learning – 1 January 2019 till 31 December 2019. Dr Fariba Ataie. Ongoing.
2. Green computing and Energy-efficient databases -- April 2013-March 2014, International Islamic University Malaysia. (Dr. Mueen Uddin).
3. Temporal databases – January 2014-December 2014, International Islamic University Malaysia. (Dr. Nadeem Mahmood).

Research: M. Phil. and PhD Dissertations Supervision currently in progress:

S#	Main Supervisor	Co-supervisor	Supervisee	Program	Mode	Title	Stage
1	Main		Sumbul Ghulamani	FT	PhD CS	Student Learning Enhancement Tool Using Digital Game-Based Learning	Graduated
2	Main Supervisor		Abdul Raoof	FT	PhD IT	IoT based environment monitoring in foggy weather	thesis
3		Co-Sup	Mohamed y. Elamrani	FT	PhD CS	Models for teaching Qur'an recitation	pass
4	Committee Chair (co-supervisor)		Gul-E-Rana	FT	PhD (IT)		Thesis
5	Main supervisor		Ammar	FT	PhD-CS	Multilingual hajj application development for mobile platforms	Thesis
6	Main Supervisor		Humaiz Shaikh	FT	PhD-IT		proposal
7	Main Supervisor		Ali Raza Rang	FT	PhD IT		Thesis
8	Main Supervisor		Imran Ujjan	FT	PhD-IT	e-health systems and adoption in Pakistan	Thesis
9	Main supervisor		Shoaib Qureshi	FT	PHD-CS	Real-time application development for wireless applications services	Thesis
10	Main Supervisor		Habab Mohamed (G1722056)	FT	PhD	Social media and health	Proposal
11	Main supervisor		Syed Faiz	FT	PhD	Rehabilitation robotics	Thesis
12	Main supervisor		Hana AlQaedoun	FT	PhD	Computer literacy in GCC and e-learning	Thesis

Computing project research qualified under my supervision at IIUM

1. The effect of touch screen technology usability to improve fine motor skills in children with down syndrome. 23 May 2019. Ichsanuddin Fukky Winasis, KICT. IIUM.
2. Riaz Zaman (MIT- G1815679) ' Sustaining Revenue through managing service churn in mobile Telemcom' 23, May 2019
3. Mohamamd Abdul Matin (MIT-G1715863) ' investigation factors that influence IOT acceptance in small-medium enterprises (SMEs) in the manufacturing sector in Malaysia, 23 May 2019.

PhD/MS/MPhil research students qualified under my supervision at IIUM

1. A Study of Information Technology Adoption in HEI in the State of Kuwait: An empirical study, Adel Rashed Aldahani, G1520737, International ISLAMIC University Malaysia, 9th July 2020.

2. A model for acceptance of QR code for mobile payment systems in Pakistan, Ali Raza Rang, 26 May, 2020. PhD in IS main supervisor, ID 1635843. International Islamic University Malaysia.
3. Digital game based learning to school children for history course study in Hyderabad Pakistan, Sumbul Ghualamni, 5 December 2019. PhD in CS. Main supervisor. ID G1221166.
4. Performance optimization of wireless sensor networks for multimedia services, P_ICT G1439580, 6th November 2019. Tehmina Karamat Ullah Khan.
5. Speaker independent acoustic model for the Holy Quran Recitation, (PhD-CS), 21 October 2019, Mohamed Yassine El Amrani (G1410259).
6. Weighted multi-layer and ensemble based approach for key node identification across multiple social networks, (PHD-CS), 24 May 2019, Fozia Noor, 24 May 2019.
7. Capturing the real customer experience based on the parameters in the call detail records (PhD-CS), Nusratullah Khan, 22 March 2019.
8. Critical success factors and Barriers for E-Learning success in Saudi Arabian Universities (PhD-ICT) Quadri Noorul Hasan Naveed. 12 March 2019.
9. An investigation of factors affecting customers' satisfaction and intention to shop online: An empirical study of Malaysia (PhD-ICT) Najma Channa, February 28, 2019.
10. Factors affecting the Acceptance of near field communication-enabled mobile payment systems an empirical study of Pakistan (PhD-ICT) Imtiaz Brohi, January 2019.
11. An adaptive Network Fuzzy Inference Based Contextual Change Detection in Egocentric Emails. (Kajal Nusratullah) August 2018.
12. An implementation of RFID/NFC based application for Halah food identifications, June 26, 2018 (Mohsen Khosarvi)
13. Hajj crowd control applications and monitoring traffic flow, PhD. 2018. (Naeem Ahmad).
14. Study and analysis of IT in higher education institutions of Sindh-Pakistan, PhD, 30 May 2018. (ShahMurad Chandio).
15. IoT based e-health system adoption in Pakistan (Zulfiqar Ali Solangi) May 24 2018 (PhD).
16. Integration social media and life long learning (Fariba Ataie) April 2018 (PhD).
17. Computational modeling on Mood (CMOM) based on neurophysiological stimuli of affect, PhD, February 2017 (Dini Oktarina Dwi Hnadayani).
18. Load balancing techniques in MANETS, PhD, 26 May 2017. (Lubda)
19. An integrated model of acceptance for Pervasive learning from the students' perspective, PhD April 2017. (M. Yaqoob Koondher)
20. Malaysian Sign language detection, PhD March 2017. (Mostafa Kerbasi).
21. Factors affecting the acceptance of mobile commerce in Pakistan: An empirical analysis. PhD 2016. (Malook Rind).
22. Modelling and prediction Banking Froud using ANN and Fuzzy Logic, PhD, October 2016. (Nuha Zumarah)
23. E-learning and ethics in online systems a Study of KSA (PhD), September 2016. (Abdul Hafeez Muhammad)
24. Self-Securing Architecture for Federated Clouds (PhD) March 2016 (Ahmad Waqas)
25. Modelling and analysis of legal immigrants in Malaysia using two-mode and scale-free network (PhD February 2016). (Abdul Waheed Maheser)
26. Social media and its applications in higher education: Study of Pakistan (MS) 2016 (Ali Raza Rang)
27. Telecom user satisfaction a study of Kuwait, (PhD) 2015. (Tami Alzabi).
28. Oscillator driven central pattern generation (CPG) system for animating Quadruped Locomotion- International Islamic University Malaysia (PhD March 2015) (Zeeshan Bhatti)
29. Gender Discrimination in workforce through sickly flour & Glass effects: a comparative study of public & private corporations: from 1990 to 2005. (PhD – Isra University, Pakistan) (Zahid Channar)

30. Sindhi/Urdu Semantic Models (M.Phil – Isra University, Pakistan) (Mutee-ur-Rehman)
31. Codebook based Digital Speech Compression (M.Phil – Isra University, Pakistan) (Nazish Nawaz Hussain)
32. Development of an insurance model for flood based Natural Disasters (M. Phil – Isra University, Pakistan) (Fatima Memon)
33. Consideration Based on Bohn's Eight Scale in Banking Sector of Pakistan (M.Phil – Isra University, Pakistan) (Shabina Shaikh)
34. Gender and mobile payment adoption system in tertiary institutions in Nigeria, (Masters- IS) 2014, Malaysia. (Aminu Hamza).

POST PHD VIVA SUPERVISOR:

1. Fozia Noor, 24 May 2019.
2. Qaudri Noorul Hassaan Naveed - 12 March 2019
3. Nusratullah Khan- 22 March 2019
4. Imtiaz Brohi -26 February 2019

MCS/ME/MSCS/MSIT/MBA Dissertations Supervised and Completed:

1. Metbot: A UMLS-Based Chatbot for Medical Users, 2008.
2. Provision of Electricity Generation through Biogas Technology 2008.
3. Reducing the Cognitive Load through Animated Demonstrations for Spatially Active Tasks
4. The Dilemma of Brain Drain of IT Experts; Its Causes Effects & Remedies 2008.
5. Reducing Cognitive Load through Animated Demonstration for Spatially Active Tasks 2008.
6. Design of a Telemedicine Technique, MUET Jamshoro, 2008.
7. An Efficient Image Compression Technique for Telemedicine, 2008.
8. Teletraffic Engineering & Estimation for Cost-Effectiveness & Performance Efficient Planning of Real Time Networks, MUET Jamshoro, 2005
9. Performance "Analysis of UWB Technologies for Short-range Wireless Communication", MUET Jamshoro, 2004
10. Conversational Speech Source Modeling and Simulation by Using Two-State Markov model, 2005.
11. Network Management Through Strategic and Statistical Measures, 2005
12. Location Detection in Mobile & Wireless Computing, 2005
13. Remote Education Through Internet Telephony, 2005
14. Perceptual Sensitivities of Spoken Language (Sindhi) 2005
15. An Improved Numerical Technique for the Solution of Integration, 2007
16. Analysis of MANET Routing Protocols Under TCP Vegas with Mobility Considerations, 2007
17. Analysis of MANET Routing Protocols Using Scenario Based Mobility Models, 2007
18. A Technique for Medical Image Compression to Facilitate the Telemedicine, 2007
19. A New Approach to Arabic or Urdu Text Steganography, 2007
20. Multilayer Signature Based Intrusion Detection System Using Mobile Agents, 2007
21. Telemedicine Image Compression, 2007
22. Design of a Technique for Medical Audio Compression to facilitate the Telemedicine, 2007
23. Adaptation of Image Library to Greenstone, 2007
24. Analysis Proactive and Reactive Meant Routine Protocols under Selected TCP Variants, 2007
25. Command Based Following Robot Using RF Technology, 2007
26. Evaluating On-line Analytical Processing in Decision Support System using Multi Dimensional Environment, 2007
27. Impact of E-Commerce for Banking and Finance in Pakistan, 2005
28. Advance Request & Response Protocol (Using RMI), 2004
29. An Efficient User Interface of Tablet PC, 2004

30. Alternate Paradigm for Navigating the WWW Through Zoomable User Interface, 2004
31. Cascade Compression and Speech Quality Determination, 2004
32. Preventing Reverse Engineering Threat in Java Using Byte Code Obfuscation Techniques, 2004
33. Randomized Text Encryption, 2004
34. Optimal Use of Telephony Circuits through VOIP, 2004
35. On-The-Fly Sub-keys Generation for Blowfish Cryptographic Algorithm, 2004
36. Security in XML Web Services through a Proxy Based Approach, 2004
37. Perception Based Compression of Speech, 2004
38. Security Measures in Distributed XML Using Steganography Techniques, 2004
39. Enhanced cISPEC in High Loss Communication Links, 2003
40. Techniques for Conversion from Monologue to Dialogue in a Telephonic Conversation, 2003
41. Implication of Voice Over Internet Protocol in Pakistan, 2003
42. Measures of Perceptual Sensitivities in Sindhi Language, 2003
43. Robust XML Based Annotation for Digital Video, 2003
44. Aggregation of Multidimensional Data Based on Hierarchies, 2003
45. Virtual Router for Multicast Video Conferencing, 2003
46. A Hybrid Compression Technique Using Huffman and Adaptive Huffman Coding Techniques, 2003

Chairing PG viva session/Proposal/ Seminar /Masters and PhD

1. Shafia Khatun, G1724908 Masters in CS, 2020, 03-12 2020. KICT PG office, Effects of software Engineers' work Ethics on their Work performance and Job satisfaction: Role of Emotional Intelligence" 10-11.30 am

Undergraduate Final Year Projects (FYP) supervised

1. The Multimedia Therapy Applications 2013
2. Mini cupcakes Animation 2013
3. 2.5D Animation: Story of Prophet Saleh 2014
4. Quranic Story Animation Using Augmented Reality 2014
5. Al-Quran Animated, 2014
6. Hajj guidance android applications, 2013
7. Island Tourism: Best Island in Malaysia System 2013
8. IIUM Online Vehicle Sticker Application System, 2013
9. An Environmental Data Logging System, 2013.

External /Internal Examiner for PhD

1. Factors influencing adoption of cloud computing on Higher Educational Institutions of Bangladesh: A study on users, perspective, 6th November 2020.Mohammad Masudur Rahman, KICT, IIUM PhD in ICT, (Internal examiner) 2020. Reported submitted on 7th Dec 2010 to CPS-IIUM
2. An Energy, priority and link aware routing scheme for post-disaster ad-hoc communication networks, Mohamed Ali soomro , PhD, IT, QUEST , Nawabshah, Sindh, Pakistan, 0ct 2020.
3. Early warning predictive analysis using machine learning: An implementation of false alarm prediction in multi-resolution sensing for flash floods, PhD in Electrical and Electronic Engineering. Talha Ahmed Khan, UNIKL, Malaysia, 7 Sept. 2020.

4. Financial Numeric and Textual Data-bases Stock price Prediction using machine learning Techniques, Mohammad Rabiul Islam (G1511213, PhD Computer Science, International Islamic University Mlaysia, 4Th August 2020.
5. Statistical Based Methods to Mitigate Cloud Computing Issues in Palestine Healthcare Organizations, Mohamed A S Hoheir, PhD, UTeM, Melaka, Malaysia, 4th August 2020.
6. Prosody modelling approaches to generate prosody for Sindhi speech processing applications, Shah abdul Latif University, Pakistan. Shahid Ali Mahar, June 2020. PhD Computer Science. 2020.
7. Effect of chaotic modulation on bit error rate in direct sequence spread spectrum communications, Karachi university, Pakistan June 2020.
8. Centralized evolving clustering based grid partitioning and mobility features for ad hoc networks, 16 June 2020. (invitations accepted). UTM.
9. Power losses minimization in a radial distribution system using modified particles swarm optimization techniques, Mohammed Junaid Tahir, UNIKL-BMI, June 2020.
10. Development of an integrated component based knowledge management model for public sector health sector organization of Lahore, Punjab Pakistan, May 2020. Arfan Arshad, Internal examiner, IIUM, Malaysia.
11. The strategies for developing e-learning through social networks for SME in Malaysia, UNITEN, Taisir Mohammed Hameed, May 2020. PT20345, uniten, Malaysia.
12. Applications of soft computing techniques for decision making in supply chain management, PhD, IOBM Karachi Sindh Pakistan. Syed Mubashir Ali, Feb 2020.
13. Fuzzy social network analysis techniques with applications in Business Intelligence, External examiner, PhD, NED University, Karachi Sindh Pakistan, 17-02-2020. Obaida Fatima, PhD candidate.
14. Speaker identification based on hybrid feature extraction techniques, Internal examiner, PHD in CS, KICT-IIUM. January-2020.
15. Smart masque based on Internet of Things “Ahmed Talaat Totonji – G1719697, MS dissertations, IIUM-KICT, 2nd January 2020.
16. Novel Pre-interventional Atrial Flutter Localization Tool for the improvement of radiofrequency ablation efficacy” Nuhammad Haziq bin Kamarul Azman, UniKl, PhD in Electrical and Electronic Engineering, Malaysia, December 2019.
17. Financial numeric and textual data based stock price prediction using machine learning techniques. Muhammad Rabiul Islam, KICT, International Islamic University, PhD on CS, November 2019. Internal examiner.
18. Self-organized body area sensor network applications. Federal Urdu University, Pakistan. Amir Mehmood, External, September 2019. Pakistan.
19. Development of an integrated component based knowledge management model for public-sector healthcare organizations in Pakistan, Internal examiner, September 2019, IIUM. Arfan Arshad.
20. A semantic web-based ontology for disaster trial management in Pakistan, Ashfaq Ahmad, PhD-IT. IIUM, internal examiner, August 2019.
21. Analaysis and implementations of non-linear sliding mode control for 3 Degrees of freedom RAX-1, Masters of Engineering Technology, UNIKL, BMI, KL Malaysia, 8 August 2019.
22. Certain investigation on node centric community detection in social networks, K. Sathiyakumar, Bharathiar University, PSGR Krishnammal college for women, 23, August 2019. India.
23. Development of Intelligent Multi-Dimensional Soft Computing System for Decision Support of Wheet production Management in Pakistan, Jawed Naseem, 20 July 2019, Karachi Sindh, Pakistan, 2019.
24. Adoption model for cloud-based e-learning in Omani Higher Education Institutions, Qasim Abdullah Hassan Alajmi, University Malaysia Pahang, 9th August 2019 Kuantan, Malaysia

25. Hybrid feature selection framework for student's performance prediction in educational Data mining, Maryam Zaffar, University Technology Petronas (UTP), 3rd July 2019. Malaysia.
26. Social media acceptance model for Informal learning based on academic researchers' perspective, PhD-CS, UTM, Mohamed Y. Mohamed AL-Sabaawi, 26 March 2019. Malaysia, Johor Bahru. UTM, Malaysia
27. A framework for assessing perceived trust and security in electronic payments systems: A case study of Iraq, Ali Shawket Thaib, 25, March 2019. UTeM, Melaka, Malaysia.
28. Investigating the Determinants of E-Government and its Impact on Corruption and Accountability, PhD, IIUI, Islamabad, Pakistan, external examiner, 23 January 2019.
29. Cloud computing adoption model based on decision makers intentions in Malaysian public Higher education Institution (PHD-MIT) Internal examiner, IIUM, January 2019.
30. Maturity model for software process improvement implementation in Malaysian Small and Medium Software Development Industry (UTP Malaysia) PhD in software engineering, January 2019. External examiner.
31. An efficient Framework for Analyzing Academic Feedback Using Big Data Analytics" Bharathidasan University, India PHD. November 2018.
32. Factors that determine the effectiveness of E-Learning: International Islamic University Malaysia, Internal examiner, November 2018. PhD.
33. Factors affecting students' acceptance of E-learning system: investigating the role of interface design characteristics and e-learning self-efficacy" University of Sindh, Pakistan. 13 September 2018.
34. Deployment of Open source Multi-language Apps on Google play- Institute of Software Technology, Graz University of Technology, Austria, 5th September 2018.
35. International Islamic University Malaysia (IIUM) "Analysis and design of systematic cryptographic algorithms in mobile Telecommunication Systems", July 11, 2018. (PhD).
36. Universiti Kebangsaan Malasia (UKM) "Modelling the utilization of cloud health information system in the Iraqi public healthcare sector", PhD, June 2018.
37. University Technology Petronas (UTP) "A novel hybrid device free WLAN localization approach for location-based application in Indoor Environment" 2018, Malaysia.
38. University Technology Petronas (UTP) "A framework of programmers creativity- The role of individual and contextual factors, February 2018, Malaysia.
39. IIUM "Employers perception and coping mechanism of spam email" 2018.
40. UNIKL "E-commerce for rural agriculture sector and empowerment of formers: Case of Cambodia, 20 March 2018.
41. University Teknikal Malaysia Melaka (UTeM), "Enhanced IoT Architecture for a Better Secured IOT Application". 9Th November 2017.
42. Air University Islamabad, Pakistan "Secure communication using steganography in image processing" PhD, October 2017.
43. University of Karachi "Developing information communication technology's (ICT) acceptance model, in the context of social environment and measuring the performance using fuzzy models", (PhD) August 2017, Pakistan.
44. University of Karachi "Application of Snowmelt runoff model in Kunar river catchment" PhD, August 2017. Pakistan
45. Mehran University of Engineering and Technology "Active Queue Management using Fuzzy Logic Controller" (PhD), August 2017. Pakistan
46. University Technology Petronas "A rule-based model for software development team composition: Empirical study on personality types with gender classification" (PhD) August 18, 2017.
47. International Islamic University Islamabad appointed as a foreign evaluator for the thesis titled "Technology infused learning for higher education: A step from conventional to blended learning approach" 25 May 2017. (PhD).

48. Bharathidasan University, India, Appointed as an external examiner for PhD candidate thesis titled “Developing a framework for Sterngthining secure resource availability in cloud Environment” May 2017.
49. UNITEN Malaysia – PhD external examiner thesis titled “A cloud computing adoption model: Using technology, organization and sustainable context (TOS) by Small and Medium Enterprises (SMEs) in Iraq. May 2017.
50. University Technology Petronas “Software Project Effective Risk Management and Its Contribution towards Project Success”, 2017. (PhD).
51. International Islamic University Malaysia “Motion Analysis on Human Emotions for 3D Walk Cycle Animation”, Internal examiner, 4 November 2016 (MS).
52. International Islamic University Malaysia “complex network modeling and analysis of dengue epidemics in Selangor Malaysia” PhD, October 2016.
53. University Technology Melaka “Factors influencing Medical Staff Adoption of HER in Jordan Telemedicine” (PhD) November 2016.
54. University Tun Hussein Onn Malaysia “All optical Signal regeneration Technique Design and Real Time Implementation for Different Modulation Schemes Using UltraScale FPGA” (PhD) 2016.
55. University Malaysia Pahang “Parallel Framework for Multi-Frame Watermarking Scheme”, (PhD), 2016
56. University Technology Malaysia (UTP), “Investigation of content-orientation techniques for medical applications using multi-touch table top displays” (PhD). December. 2016
57. International Islamic University Islamabad, Pakistan July 2016 “Unified theory of acceptance and use of Technology (UTAUT) and its relationship with knowledge Exchange: The role of Information Communication Technology (ICT) in Universities. (PhD). 2016.
58. UTeM (PhD) on 9th May 2016, “Investigation the Ky Factors affecting the use of Telemedicine in Iraq”.
59. UMP (PhD) on 25 November 2015. “Temper Detection, Localization and Lossless Recovery Watermarking of Single and Multiple-Frame Ultrasound Medical Images. 2015.
60. British Malaysia University, External Examiner for PhD Degree “Network security and design of secure protocols”, 2015.
61. International Islamic University Malaysia Internal PhD examiner “developing text-based measurable and detectable reliability factors for Islamic Website” 2015.
62. University Technology Petronas, external examiner PhD “An integrated visualization Model Care for Multiple Electronic Health Record” 2015.
63. UTM (PhD) November 2012 “Design of matrix for data center – Green computing”.
64. Flinders University Australia (Masters) November 2012, “e-learning study of Kingdom of Saudi Arabia”.
65. International Islamic University Malaysia Internal examiner PhD “titled “Measuring the effectiveness and performance of E-government portals in the Kingdom of Saudi Arabia”, 2014.
66. International Islamic University Malaysia, Internal examiner MS in IT” Multimedia Animation applications in Engineering Education” 2013.
67. British Malaysia University, UNIKL, External examiner PhD ”SCADA security using crypto-techniques” , 2014.

Deans representative for PhD viva at IIUM

1. Doctor of Philosophy (P_Lib), 27th September 2019, Nazrinda A. Samad (G1216766). Research libraries and their roles in innovation and research. 2019.

2. Doctor of Philosophy (P-CS), 4th September 2019, a shifted completely connected net (SCCN): a new architecture for hierarchical interconnection network for massively parallel computer science", Mohammad N. M. Ali G1415805.
3. Doctor of Philosophy (P-CS) 24 May 2019, Trusted quality service model for cloud computing in Saudi Arabia by (Mohamed Abdullah Alfadli- G1314957).
4. Doctor of Philosophy (P-CS) "2 May 2019 "Neuro-computational morphological model for electroencephalogram signals and artifacts analysis" Abdul Qayoom Hamal.
5. Doctor of Philosophy (P_Lib) 7 March 2019 "Social media network-based retrieval systems framework for sentiment analysis" by (Nurul Izwah Muhd Adnan).
6. Doctor of Philosophy (P_ICT) 11 January 2019, Factors influencing knowledge management systems adoption among academicians in Nigeria Universities" 2019. (Ahmad Babajide Salami.
7. Doctor of Philosophy (P-Lib), 4 July 2018, "Marketing strategies for the optimization of library services in Nigeria. 2018.
8. Doctor of Philosophy (PhD-ICT), 28 June 2018, "Ebanling Trust online: The E-Commerce Shari'ah Complinet Model" IIUM.
9. Doctor of Philosophy (PhD-ICT), 6 February 2018, "Modelling of emotions using EEG based signals".
10. Doctor of Philosophy (PhD-ICT), 17 January 2018, "An investigation of risk and harm of internet use among teenagers in Bangladesh."
11. Doctor of Philosophy (PhD-ICT), 2017, 19 October "Measurement of Information Systems Project Success among Higher Education Institution in Indonesia".
12. Docter of Philosophy P_CS, 2017, 1 June 2017. Thesis titled "Nonlinear Stockestic operators to control the consensus problem in multi agent system"
13. Doctor of Philosophy P_CS, IIUM, 8 May 2017. Thesis Titled "An intelligent and Adaptive Quranic Arabic Learning Framework".

KICT-RESEARCH PROPOSAL DEFENSE

1. Chairman, Masters dissertation KICT, Effects of Software Engineer' work Ethics on their work performance and job satisfaction: Role of emotional Intelligence" Sr. Shafia Khatun, G1724908, MCS Maters of Computer Science. 3rd November 2020. KICT
2. Chairman postgraduate proposal defense of Sister Umniya Usama Elsyed Mohamed G1726904, 24th December 2019. "Teaching and learning through Massive Open Online Courses (MOOCs) Based on learning Styles" KICT-IIUM.2019
3. Chairman, postgraduate proposal defense of brother Alalawi Yasir Hamood Abdullah Saleh (G1721341) P_Lib, Individual Differences and systems quality determinants that influence the adoption of the Oman virtual science library in Higher Education, 29.10-2019. KICT-IIUM.
4. Chairman, postgraduate proposal defense of brother "Mohammed Ashikur Rahman – G1720373", Sepsis prediction using electronic health records in Cardiac care unit", 26th September 2019. 10.am DDPGR, KICT-IIUM, second floor.
5. Chaiman, postgraduate seminar session, 28th August 2019.
6. Chairman proposal defense "Acceptance Factors of blockchain based smart contract amongst millennial generations within Takaful Industry in Malaysia", 28 August 2019. Mohd Rosydi Muhammad – G1629663.
7. Appointed as an examiner for MIT project "An exploratory study on the critical success factors for database re-engineering in Malaysian Politeknik: A case study at Politeknik Sultan Salahuddin Abd Aziz Shah" Mohd Hafeez Bin Janinulabdin – G1715383. 15 July 2019. KICT-DDPGR
8. Appointed as an examiner for MIT project. Titled "A conceptual design of ECAR pooling app using BMC-VOV approach", 19 June 2019.

9. Appointment as chairmen Proposal defense “PhD, Umniya Usman Elsayed Mohamed G1726904, Teaching and learning through Massive Open Online Courses, 28, May 2019.
10. Appointed as an examiner for proposal defense “MIT, Abdulselam Brahim (G1725865), The design and evaluation of the Shared Taxi Service Mobile Application in Algeria: a culture centered design approach”, 28, May 2019.
11. Chaimen proposal defense “Big data quality assessment model of health Data” 4th April 2019, Rafidah Binti Isa (G1726284).
12. Chair, PhD proposal titled “SUKUK rating prediction: Comparison using Support Vector Machine and induction Decision tree” MIT by Johara Binti Ghazali, 7th March 2019.
13. Chair, PhD proposal titled “The influence of IT leadership on IT Governance Performance and IT Effectiveness in Higher Education Institutions of Malaysia, 18th January 2019.
14. Chair, PhD proposal defense titled “Perspective of Information technology competency among IT students in Indonesia higher education Institution”. 2018, 1st June 1018.
15. Chair PhD proposal defense titled “Creating new methodology to enhance predictive analytics adoption and use in Qatar hospital” 31 October 2017.

Awards and Medals:

1. IIUM Takrim Day 2020, Top 30 contributors to IIUM research performance, 9 July 2020, IIUM.
2. IIUM Takrim Day 2019, Highest number of publications award (indexed journal articles) Kulliyyah level for the year 2018.
3. IIUM Takrim day award 2019. Top 30 contributors to IIUM’s research performance, 24, July 2019. IIUM Malaysia.
4. IIUM Quality Day Award 2018. Top 30 Contributors to IIUM’S RESEARCH Performance. (MyRA 2017). Awarded on12 July 2018.
5. Award of a certificate of appreciation “Outstanding contribution as the Kulliyyah.s Active Writer”, March 2018.
6. Outstanding contributor JOURNAL ARTICLES INDEXED in SCOPUS & WOS, 2016. CREAM 2016.
7. Gold and Silver medals for IREE2014
8. Silver medal IREE2013
9. Bronze medal for IREE2012
10. Bronze medal for IREE2012
11. Bronze medal for E-Hajj directory software 2011. ICRES 2011.
12. Letter of Appreciation, by Chairman Isra Islamic Foundation, Hyderabad
13. Letter of Appreciation, by the Vice Chancellor, Isra University, Hyderabad.
14. Award for the contribution for IT Expo Asia 2002, Seminars.
15. Award for the contribution to IT area, Expo, Asia 2001, Seminars 6th – 8th September 2001, Hyderabad.
16. Best award in professional category paper presentation titled “Internet Telephony” Expo Asia 2001, Seminars 6th – 8th September 2001, Hyderabad.
17. Bronze Medal: Supervised paper for the competition of all Engineering Universities of Pakistan on “MIS”
18. Silver Medal: First-Stood-First in M. Sc. Computer Technology
19. Central Over Sears Scholarship (COTS) Award, 1992, Ministry of Education, Government of Pakistan

Special Achievements – Expo Asia 2001 Software Exhibition Hyderabad:

1. **07 best awards** achieved (**5** for software competition and **2** for best professional category presentation)

Chaired Conferences/keynote speaker/invited lectures

1. Keynote speech , 19th November 2020, 1st National Conference on Emerging Trends in Information and Engineering Technologies NCETIET 2020, Faculty of Engineering, University of Sindh, Jamshoro, Pakistan- " **Recent teaching Technologies and Smart Educations**" 18-19 November 2020.
2. Webinar, 9th November 2020, UAE, Bath-SPA university, " **Smart learning and smart educations**" 2020
3. Keynote for International virtual conference of emerging trends in computing and Software Engineering-2020, ILMA university, Karachi, Pakistan. "SMART LEARNING", 31, 10,2020. Also session chaired.
4. Keynote for CISAT2020, China, 3rd international conference on computer information science and application Technology, July 2020.
5. Keynote speaker for IMAN (International Conference on Islamic Applications), 7th conference, 2019, 27-28 December 2019. "Islamic paradigms and philosophy of knowledge discovery vs western paradigms and philosophies".
6. Keynote speaker for 1st International conference on "Multidisciplinary Innovation & Research Challenges in Social Sciences", 10 and 11 October 2019, Shaheed Benazir Bhutto University, Shaheed Benazirabad, Nawabshah Sindh-Pakistan. Online – SKYPE.
7. Keynote speaker for International conference, student exchange @ social exploration postgraduate program, Universitas Sjakhakirti Singapore-Thailand-Malaysia, March 12-17, 2019. Speech titles "The impact of emerging technologies on Public sector", 16th March 2019, UIA Malaysia.
8. Lecture on "Literature review reference model" Graz University, Austria, 6 September 2018.
9. Keynote Speaker "International Conference on Advanced research Business and Social Sciences" ICARBSS 2017, LANGKAWI, 2017.
10. Program Chair/Plenary Speaker invited by JACN at ICNIT annual meeting of JACN Editorial Board. November 24-26, 2017 Penang, Malaysia.
11. Keynote Speaker "International Conference on Computing and Mathematical Sciences, ICCMS-2017. Sukker IBA, Pakistan.
12. Keynote Speaker "International Conference on Engineering Technologies and Entrepreneurship. ICETE 2015. Kuala Lumpur.
13. Session Chair ICT4M 2014. East Malaysia, 17-18, November 2014.
14. Chaired session in WSN workshops 2013, MUET Jamshoro-Sindh, Pakistan 9th March 2013.
15. Chaired session of Pacling 2011- IIUM.
16. Session "International Multi-topic Conference, IMTIC 08" April 11-12, 2008, at MUET, Jamshoro, sponsored by HEC.
17. Keynote speaker "social networking and its impact upon society", IMTIC 2012, at MUET, Jamshoro-Sindh, Pakistan.
18. Session on Financial Management UNDP 2002, Hyderabad
19. Session on "Information Technology" Expo Asia 2001 Seminar

International Conferences organized as executive chair/publicity chair/technical committee member

1. 7th IEEE ICETAS 2020, International conference on Engineering Technologies and Applied Sciences. Dec 18-20, 2020. Kuala Lumpur. (Executive chair)
2. 6TH IEEE ICETAS 2019- International conference on Engineering Technologies and applied sciences, 2019" Kuala Lumpur Dec20-21, 2019. (Executive Chair).
3. 2nd ICIRD 2019, International Conference on Innovative Research and Development, 2019, Universitas Indonesia, Depok, 28-30, June 2019 (Executive Chair).

4. 5th IEEE, International Conference on Engineering Technology and Applied Science (5th ICETAS 2018) AIT Thailand, 23-24. November 2018. (executive chair).
5. ICIRD IEEE conference, Executive chair, May 2018. AIT Bangkok.
6. International Conference on Data mining and Knowledge Discovery (DMKD) 2018. May 25-27, Beijing, China. Conference technical committee. Conference organized by IASED (International Academy of Science and Engineering for Development, www.iased.org).
7. International Conference on Intelligent Systems Engineering (ICISE 2018), local as well as International publicity chair, 2018.
8. The IEEE 4th ICETAS 2017, executive chair, November 29th to 1st December 2017, Bahrain.
9. IEEE 3rd ICETSS 2017, executive chair, August 7-9 2017, AIT Bangkok, Thailand.
10. 2nd ICETAS 2017, executive chair, January 23-25, Kuala Lumpur, Malaysia
11. ICETSS 2016 executive Chair, August 2016, Kuala Lumpur, Malaysia.

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1. LY2018007100- Philosophy of knowledge, innovation, and research, 02 January 2019
1. LY2018007106- Karachi University Thesis proposal writing workshop, 02 January 2019.
2. LY2018007155, Research methodology: An Introduction, 02 January 2019.
3. LY2018007116, Literature review Reference model, 02 January 2019.

List of Publications

1. Adis Nabawi and Asadullah shah " A study on effectiveness in using continuous integration and deployment for software development: A state of the art review" JISDT, vol. 2. No 2. 30 November 2020, pp 17-28. Mycite indexed journal.
2. M. Iqbal Aqeel and Asadullah shah " A novel RE Team selection process for User-centric Requirement s Elicitation framework Based on Big-Five personality assessment model" 15th IEEE International conference on Industrial and Information Systems IEEE ICIIS2020, November 26-28, 2020, India, http://www.iitrpr.ac.in/iciis2020/index.html
3. M. Iqbal Aqeel and Asadullah Shah "Process hierarchy for GSD based user-centric requirements elicitation Framework" IIT Ropar. Departement of Electrical Engineering, Rupnanagar, Punjab, India. 26-28, November 2020.
4. Mehrunnisa Qureshi, Sumbul Ghulamani and Asadullah Shah " ProgMath: Enlighten Math and Programming Logic" Accepted in ICETAS 2020. Dec 18-20, Kuala Lumber 2020.
5. Ammar Arbaeen and Asadullah Shah, "Question Answering system: A survey of classification" Accepted in ICETAS 2020. Dec 18-20, Kuala Lumber 2020.
6. Hana Al Qaidoom and Asadullah Shah " Digital Literacy of Educators and Their attitude towards MOOC platforms in Arab worlds" Accepted in ICETAS 2020. Dec 18-20, Kuala Lumber 2020.
7. Zuhoor Alghattami, and Asadullah shah, "Technological factors that affect Adoption of Digital marketing among SMEs in Oman, " Accepted in ICETAS 2020. Dec 18-20, Kuala Lumber 2020.
8. Zuhoor Alghattami, and Asadullah shah " A model for the adoption of Digital Marketing and Its effects on the competitiveness among SMEs in Oman" Accepted in ICETAS 2020. Dec 18-20, Kuala Lumber 2020.
9. M. Aqeel Iqbal , Asadullah Shah, Ammar F. A. and Adel Rashed Aldaihani, ' Pre-elicitation processes Hierarchy for SDG based requirement framework, Accepted in ICETAS 2020. Dec 18-20, Kuala Lumber 2020.
10. M. Aqeel Iqbal , Asadullah Shah, Ammar F. A. and Adel Rashed Aldaihani, " Stakeholder's Tranining Process for SDG Based requirements Elicitation Framework" Accepted in ICETAS 2020. Dec 18-20, Kuala Lumber 2020.

11. Muhammad Shuaib Qureshi, Muhammad Bilal Qureshi, Muhammad Fayaz, Wali Khan Mashwani, Samir Brahim Bellhaouari, Saima Hassan and Asadullah Shah ' A competitive Analaytsis of resources allocation schemes for real-time services in higher-performance computing systems, international journal of distributed Sensor Networks, vol 16, no 8, 2020. ISI indexed, Pages 1-35, IF 1.15.
12. Zulfiqar Ahmed Maher, Asadullah Shah, Shahmurad Chandio, Hazwani Mohd Mohadis and Noor Hayani Binti And Rahim, Challenges and Limitationsin secure software develeopmeny adoption- A qualitative analysis in Malaysian software industry prospect. Indian Journal of Science and Technology, Vol 13, No 26, July 2020, pp 2601-2608.
13. Qadri Noorulhasan Naveed, Mohamed Rafik Noor Qureshi, Nasser Tairan, Abdul Hafeez Mohammad, Asadullah Sheikh, Alhuseen O. Alsayed, Asadullah Shah, Fahad Mazaed Alotaib ' Evaluating Critical success factors implementing E-learning system using multi-criteria decision-making PLOS ONE, 4th May 2020, doi.org/10.1371/journal.pone.0231465, pages 1-25. 2020. (WOS-SCOPUS).
14. Khowaja, K., Al-Thani, D., Hassan, A. O., Shah, A., & Salim, S. S. (2020). Mobile augmented reality app for children with autism spectrum disorder (ASD) to learn vocabulary (MARVoc): from the requirement gathering to its initial evaluation. Accepted for the presentation at the HCI in Games.
15. Khowaja, K., Banire, B., Al-Thani, D., Sqalli, M. T., Aqle, A., Shah, A., & Salim, S. S. (2020). Augmented reality for learning of children and adolescents with autism spectrum disorder (ASD): A systematic review. IEEE Access. doi:10.1109/ACCESS.2020.2986608. (ISI Journal with IF=4.098)
16. Mohammed Shuaib Qureshi, Mohammed Bilal Qureshi, Azam Khan, Mayrum Sajid Raja and Asadullah Shah "A theoretical model of healthcare monitoring surveillance system for patients with severe allergies", international journal of advanced and applied sciences, 7(6) 2020, pages 69-77. (ISI indexed-ESCI.
17. Kamran Khowaja, Dena Al-Thani, Bilkis Banire, Siti Salwah Salim and Asadullah Shah, Use of Augmented reality for Social communication skills in children and adolesents with Autism spectrum Disorder (ASD): a SYSTEMATIC Review. 6th IEEE icetas 2019, held in Dec 2019 at royal widad, KL Malaysia. Published in IEEE proceedings in June 2019.
18. Muhammad Hamza , Sajjad Ahmed Lohar, Sumbul Ghulamani and Asadullah Shah , Smart mirror for home and environment, 6th IEEE icetas 2019ss, held in Dec 2019 at royal widad, KL Malaysia. Published in IEEE proceedings in June 2019.
19. Javeria Iqbal, Iftikahr Ahmad, Asadullah Shah and A B M Asadullah" Risk Aware k-Min search Algorithm, 6th IEEE icetas 2019, held in Dec 2019 at royal widad, KL Malaysia. Published in IEEE proceedings in June 2019.
20. Syed Faiz Ahmed, Yarooq Raza, Hussian F. Mahdi, W. M. Wan Muhamad, M. Kamran Joyo, Asadullah Shah and M. Y Koondhar, Review on liding Model Controllor and Its Modified Types for Rehabilitation Robots, 6th IEEE icetas 2020, held in Dec 2019 at royal widad, KL Malaysia. Published in IEEE proceedings in June 2019.
21. M. Aqeel Iqbal, Ammar F A, Adel Rahed Aldahani, Tehmina Karamatullah Khan AND Asadullah Shah, predicting most effective software development team by mapping personality with software lifecycle activities, 6th IEEE icetas 2019, held in Dec 2019 at royal widad, KL Malaysia. Published in IEEE proceedings in June 2019.
22. M. Aqeel Iqbal, Ammar F A, Adel Rahed Aldahani, Tehmina Karamatullah Khan AND Asadullah Shah, building most effective requirement engineering Team by evalauating traits using big five assessment model, 6th IEEE icetas 2020, held in Dec 2019 at royal widad, KL Malaysia. Published in IEEE proceedings in June 2019.
23. Ali Raza, Mohammad Yaqoob Koondhar, Mohammad shahdab Khan, Humaiz Sheikh and Asadullah Shah " An integrated model for Acceptance of QR code mobile payment system in

Pakistan, 6th IEEE icetas 2019, held in Dec 2019 at royal widad, KL Malaysia. Published in IEEE proceedings in June 2019.

24. Shah, A. S., Nasir, H., Fayaz, M., Lajis, A., & Shah, A. (2019). A review on energy consumption optimization techniques in IoT based smart building environments. Information, 10(3), 108.
25. M. Aqeel Iqbal, Ammar F. A., Adel Rashed Aldaihani, Tehmina Karamatullah and Asadullah Shah , Building most effective requirements engineering teams by evaluating their personality traits Using Big-Five assessment model, 6 IEEE International Conference on Engineering Technology and Applied Sciences ICETAS, 20-21 Dec 2019, KL, Malaysia.
26. M. Aqeel Iqbal, Ammar F. A., Adel Rashed Aldaihani, Tehmina Karamatullah and Asadullah Shah, Predicting Most Effective Software Development Teams by Mapping MBTI Personality Traits With Software Lifecycle Activities, 6 IEEE International Conference on Engineering Technology and Applied Sciences ICETAS, 20-21 Dec 2019, KL, Malaysia.
27. Javeria Iqbal, Iftikhar Ahmad and Asadullah Shah, Risk Aware K-Min Search Algorithm, 6 IEEE International Conference on Engineering Technology and Applied Sciences ICETAS, 20-21 Dec 2019, KL, Malaysia.
28. Ali Raza, Muhammad Yaqoob Koondhar, Mohammad Shadab Khan, Humaiz Shaikh and Asadullah Shah, An Integrated model for Acceptance of QR code Mobile Payment System in Pakistan, 6 IEEE International Conference on Engineering Technology and Applied Sciences ICETAS, 20-21 Dec 2019, KL, Malaysia.
29. Syed Faiz Ahmed, Syed Yarooq Raza, Hussain F. Mahdi, W. M Wan, M. Kamran Joyo and Asadullah Shah, Review on Sliding Mode Controller and its Modified Types for Rehabilitation Robots, 6 IEEE International Conference on Engineering Technology and Applied Sciences ICETAS, 20-21 Dec 2019, KL, Malaysia.
30. Adel Rashed Aldaihani and Asadullah Shah (2019), Comprehensive ICT framework for educational Institutes of Kuwait; An empirical study, 2nd IEEE ICIRD 2019. Indonesia. Universitas Indonesia Depok, June 28-30, 2019, IEEE Xplore, 2019
31. Yaqoob Koondhar, Mansoor Hyder Depar, Niamatullah Leghari, Ali Raza Rang and Asadullah Shah, pervasive learning environment for Educational Makerspaces with emerging Technologies and Teaching and Learning Transformation. 2nd IEEE ICIRD 2019. Indonesia. Universitas Indonesia Depok, June 28-30, 2019.
32. Ammar Arbaaen and Asadullah Shah, Questions answering system; A survey and classification, 2nd IEEE ICIRD 2019. Indonesia. Universitas Indonesia Depok, June 28-30, 2019
33. Hana AlQaidoom and Asadullah Shah, Digital literacy and th Attitude of educators toords MOOC platform in GCC countries, 2nd IEEE ICIRD 2019. Indonesia. Universitas Indonesia Depok, June 28-30, 2019, IEEE Xplore 2019.
34. Mohammed shadabd Khan, Noor Azizah, zulfiqar Hamer, syed Qamarun Nisa, Humaiz skeikh and Asadullah Shah " Information Technology (IT) based intervension among individuals with ASD (Autism Spectrum Disorder) : A review. 2nd IEEE ICIRD 2019, Indonesia Universitas Indonesia Depok, June 28-30, 2019, IEEE XPlore 2019.
35. Yasir Ali Solangi, Zulfiqar Ali Solangi, Zulfiqar Ahmed Maher, Madihah bt S. Abd Aziz, Mohd Syarqawy bin Hamzah and Asadullah Shah "Revised and extended social commerce technology adoption in e-business of Pakistan", International journal on perceptive and cognitive Computing (IJPCC), vol 5, Issue 2, 2019, pp 51-57. Non-indexed.
36. M. Aqeel, Asadullah Shah and Tehmina Karamat Ullah Khan "Predicting most productive requirements Elicitation Teams using MBTI personality Traits Model" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958, Vol 9, Issue 1. October 2019. Pages 3809-3014. DOI:10.35940/ijeat.A9833.109119.
37. M. Aqeel, Adel Rashed Adaihani and Asadullah Shah "Big-Five personality Traits Mapped with software development Tasks to find Most Productive Software Development Teams",

International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN:2278-3078. Vol-8, No-12, October 2019, Retrieval no J97550881019/2019 COPYRIGHT BEIESP, DOI:10.35940/ijitee.j9755.1081219.

38. Fozia Noor, Muhammad Usman Akram, Asadullah Shah and Shoab Ahmed Khan "Key individual identification using dimensional relevance in the stratum of networks" Journal of Intelligent and Fuzzy Systems (2019), vol. 37. No 2, pp 2153-2167. DOI.10.3233/jifs-181517.
39. Fozia Noor, Muhammad Usman Akram, Asadullah Shah and Shoab Ahmed Khan "Visualization: A tool to study nodes in Multi-dimensional Networks", Springer Nature Switzerland AG 2019. AISC 998, pp.358-367, 2019. Http://doi.org/10.1007/978-3-030-22868-2_27.
40. Humaiz Shaikh, M. S. Khan, Z. A. Mahar, M. Anwar, A. R Rang and Asadullah Shah "A conceptual Framework for determining acceptance of Internet of Things (IoT) in higher education institutions of Pakistan", IEEE 2019 proceedings of 2019 International conference on information science and communication technology (ICISCT), 9-10 March 2019, Karachi, Pakistan. 978-1-7281-0447-8/19@2019IEEE.
41. Javeria Iqbal, Ifthikhar Ahmad and Asadullah Shah "Competitive Algorithms for online conversion problems within interrelated prices", International Journal of Advances Computer Science and Applications (IJACSA), vol 10, No. 6, pages 582-589, 2019. ISI and Scopus Indexed.
42. Kamran Khowaja, Siti Salwah Salim, Adeleh Asemi, Sumbul Ghulamani and Asadullah Shah "A systematic review in modalities in computer-based interventions (CBIs) for language comprehension and decoding skills for children with autism spectrum disorder (ASD). Springer, online, 4th March 2019, http:// Doi.org/10.1007/s10209-019-00646-1
43. Abdul Slam Shah, Haidawati Nasir, Mohammed Fayaz, Adilah Lajis and Asadullah Shah "A review on energy consumption optimization Techniques in IoT based smart building environment", Information 2019, 10, 108; Doi:10.3390/info/10030108. MDPI, www.com/journals/information. Pages 1-34. 2019.
44. Shaikh, H., Jokhio, M. U., Maher, Z. A., Chandio, S., Manirajah, M., Abdullah, B., ... & Shah, A. (2018). Beyond Traditional Audits: The Implications of Information Technology on Auditing. International Journal of Engineering & Technology, 7(2.34), 5-11.
45. Imran Anwar Ujan, Dr. Asadullah Shah, Arifa Bhutto and Najma Imtiaz Ali "1ST International Conference on Multidisciplinary Academic Research (ICMAR-2018) Sydney Australia" Asia Pacific Institute of Advanced Research (APIAR) ISBN 978-0-6482404-1-9. Pages 18-23. November 2018.
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280. A. Shah and S. Laghari, “Design of statistical time division multiplexer based on random packet loss algorithm”, Sindh university research journal science series, 34-B (2) Pages 47-52, 2002.(ISI).
281. A. Shah and Seema Tunio, “Appling E-Commerce as a direct to raise Pakistan Exports”, presented in International Conference on E-commerce and development, September 18-19, 2002, Islamabad.
282. S. Tunio and A. Shah, “Boosting exports through Internet commerce”, presented in one day conference on “National conference on computer science” (computer science trends in Pakistan), 16 February 2002, organized by, University of Sindh and M.A. Jinnah University Karachi.
283. Asadullah Shah, Basharah Batool, “Determination of the statistical measure of frequency of occurrence of Urdu Alphabets, presented in Expo Asia 2001 conference held on 6-8th September. 2001.

284. Asadullah Shah, Basharah Batool, “Statistical Analysis of Urdu language for text compression”, presented in Expo Asia 2001 conference held on 6-8th September. 2001, accepted for publishing in Sindh University Research Journal (science series), Vol.No.33(2), issue 2001. (ISI indexed)
285. A. Shah and A.W. Kazi, “Vision to the various design architectures of STDM for multimedia services”, presented in Expo Asia Seminars, 9 September 2001, Hyderabad.
286. A. Shah and K. Khowaja, “Theory of compression and its applications in local languages”, Presented in Expo Asia Seminars, 9 September 2001, Hyderabad.
287. Asadullah Shah (A.Shah) and Raheela Sheikh, “Statistical measure of Sindhi Language alphabet for text compression”, Sindh University Research Journal (science series) Vol. 33 (1), Pages 11-14, June 2001. (ISI Indexed)
288. A. Shah, A.W. Ansari and Lubna Mustafa, “Low bit rate speech packetization and packet reconstruction”. Mehran University Journal of Engineering and Technology, Volume 19, No: 1, Pages 9-12, January 2000.
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290. Asadullah Shah (A. Shah), K. R. Khoumbati, A. H.S Bhukhari and Lubna Mustafa, “Analysis and Simulation of a deterministic packet discarding Technique in Low Bit Rate Multiplexing Architecture for Rural Telephony” Sindh University Research Journal (Science Series) Vol. 30 (1) pages 1-3, 1998 (ISI Indexed).
291. Asadullah Shah (A. Shah), S. Atungsiri, A Kondoz and B. Evans (1996). “Lossy Multiplexing of low bit rate speech in thin route telephony”. Electronics Letters, 32 (2): Pages 95-97.

Books/ book chapters published

1. HCI in Games, Mobile Augmented Reality App for children with Autism Spectrum Disrder (ASD) to learn Vocabulary (MARVoc): From the Requirement Gathering to its Initial Evaluation. Kamran Khowaja (et. al.), DOI 978-3-030-50164-8_31 copyright 2020.
2. Asadullah Shah, Inayataullah Shah and Abdul Slam Shah “Research Methodologies: an Islamic Perspective “Published by IIUM press, 2016.
3. Abdul Hafiz Mohammad, Asadullah Shah, Muhammad Rosydi and Saqib Pathan, “Integration of ICT in education: An Islamic perspective” Advancement in e-learning” published by IIUM press. ISBN 978-967-418-105-5, 2011. KL, Malaysia. (Book Chapter)
4. Asadullah Shah, Humaira Dar and Burhan ul Islam” Mastering Web Technologies: HTML and XHTML, (Lambert, Germany 2013).
5. Asadullah Shah, Inayatullah Shah, Ali Raza Soomro, and Zulkefli Muhammed Yusoff “Research Methodologies: A practical Approach” IIUM PRESS (Published 2011).
6. Asadullah Shah “C++ programming: Step-by-Step”, ISBN 978-967-418-090-4. IIUM Press 2011. Published
7. Asadullah Shah “Understanding basic concepts of electrical and electronic systems” 978-967-418-089-8, IIUM press 2011. Published.
8. Asadullah Shah and Imad Fakhri Taha “Introduction to computer systems and applications” ISBN 978-967-418-085-0. IIUM Press 2011. Published.
9. Asadullah Shah and Zeeshan Bhatti “Java Programming Lab Manual”, ISBN 978-967-418-086-7. IIUM Press 2011. Published.
10. Imad Fakhri Taha, Akram Zaki and Asadullah Shah “Computer Application: State-of-the-Art”, ISBN 978-967-418-107-9. IIUM Press 2011. Published.
11. Asadullah Shah “Numeric of Malay, Indonesian and English Languages”- Manuscript Submitted (IIUM 2011).

12. Asadullah Shah “Statistical Time Division Multiplexing Architectures and Design”, ISBN 978-967-418-190-1, 2011. International Islamic University Press. Malaysia.
13. Asadullah Shah “Research Methodologies: Islamic perspective” IIUM press (Published 2015).
14. Faisal K. S, Bhawani S. C., Habib M. A., Asalm M. U., and Asadullah Shah “Wireless Sensor Networks for Developing Countries”, Springer 2013. (Published) Edited Book.
15. Asadullah Shah, “Graphics and images”, Multimedia technology (Book Chapter) (published).
16. Asadullah Shah, “Image data types”, Multimedia technology (Book Chapter) (Published)
17. Asadullah Shah “Comprehensive Literature Review methods and methodologies” (under write up).
18. WSN based Sensing Model for Smart Crowed Movement with Identification: A conceptual Model” Submitted to IGE Global, E-Editorial Discovery. 2016. http://www.igi-global.com/submission/chapters/.
19. Asadullah shah “Islamic Philosophy of Knowledge, innovation and Research (Manuscript ready).
20. Asadullah Shah “Literature review a complete Guide” (Manuscript Ready). Expected date of publication is 2017.
21. Muhammed Yaqoob Koondhar and Asadullah Shah “An integrated model of acceptance for pervasive learning from students' perspective” ISBN-978-967-418-792-7. 2017. IIUM Press.
22. Ahmad Waqas, Zulkifli Muhammed Yusof and Asadullah Shah “A cloud computing framework for sharing of cloud resources and attacks information among cloud networks”, ISBN-978-967-418-672-2, 2017. IIUM Press.
23. Nuha Zamarah and Asadullah Shah “predicting online banking fraud using adaptive neuro-fizzy inference systems (ANFIS), ISBN-978-967-418-791-0. 2017. IIUM Press.
24. Ali Raza and Asadullah Shah “A model for social media in higher education institution of Pakistan” ISBN-978-967-418-795-8, 2017. IIUM press.
25. Muhammad Malook and Asadullah Shah “Factors affecting the acceptance of mobile commerce in Pakistan: An empirical analysis” ISBN-978-967-418-794-1, 2017. IIUM press.

Member of Academic boards International and Malaysian

1. Appointment as a member of the board of studies (BoS) for the academic programme; Kulliyyah of ICT, IIUM. 1st August 2019 to 31 July 2021.
    a. Doctor of philosophy (computer science and information technology)
    b. Master of Information Technology (course work and mixed mode)
    c. Master of Computing (computer science and information technology).
2. Appointment as an academic review committee member for BIT (Honors) at DID, KICT, IIUM form January 2019 until 31 December 2021.
3. Member KICT board-IIUM.
4. Member Management Committee, IoBM, Karachi (2010).
5. Member Board of Governors, Isra University. (2009).
6. Member board of studies, institute of Information Technology University of Sindh, Jamshoro.
7. External Examiner, for B.E (Electronics) Department of Electronics and Communications Technologies
8. External Examiner and Supervisor, for B.E & M.E. Projects.
9. Member for Higher Studies Program
10. Expert for the Selection Board for the Post of Lecturers
11. Member Board of Studies

Member journal editorial board/ Reviewer

1. Pakistan Scientific & Technological Information Centre (PASTIC) 2017.
2. ASM science journal 2017.
3. ASEAN Journal on Science & Technology for Development. 2017.

4. Member- Pakistan Journal of Engineering Technology and Sciences PJETS 2010 to date.
5. Member -Mehran University Journal of Engineering and Technology, 2005-to date
6. Journal of Advanced Computer Science and Technology Research, 2012 to date

Professional Memberships:

1. Member of IEEE communication Society
2. Member Majlis Professor Negara Malaysia (Member National professors of Malaysia)

International Member of Advisory Boards:

1. Board Member of Mehran University Journal of Engineering and Technology, Jamshoro, Pakistan,
2. Board Member of Pakistan Journal of Engineering, Technology and Sciences, Institute of Business Management, Karachi, Pakistan.
3. Member of Committee on PACLING 2011, International Islamic University Malaysia
4. Member and chair Asian Pacific region for IMTC2012.
5. Keynote speaker for IMTC2012- MUET, PAKISTAN.
6. ICRIIS'11 Software competition, Judge.
7. Member committee ICT4M, 2014, held 17-18 November 2014, Kuching, east Malaysia,
8. Chairman, multimedia degree committee, Kulliyyah of Information and Communication, IIUM, Malaysia
9. Postgraduate student advisor, KICT, IIUM, Malaysia.
10. Member Kaliyah Board, KICT IIUM.
11. Member Board of Studies, Department of Information Systems, KICT, IIUM, Malaysia
12. Member Kulliyyah Post-graduate Study and Research.
13. Advisor for selection board, International Islamic University Pakistan 2012 to date.
14. Advisor, Kulliyyah of Information and Communication, Postgraduate Students Society, (PGSS-KICT), IIUM, Malaysia.
15. Member of Evaluation Committee for Central Scientific promotion and up-gradation at Presidency of Hawler Polytechnic University, Republic of Iraq Federal/ Kurdistan Regional Government.

Quaid-E-Awam University of Engineering, Science and Technology, Nawabshah:

Member Board of Studies, for Faculty of Basic Science, Engineering and Technology External Examiner and member of selection board (2006-2010).

International Islamic University Islamabad Pakistan:

Member Board of Studies, for Faculty of Management Science (2012- to date).

Expert Panelist

1. Expert for the promotion of Associate professor – Punjab University, Lahore, Pakistan, 2019.
2. Panel of foreign experts for PhD thesis evaluation for – Pondicherry University, Department of Computer Science, Klapet Puducherry India, January 2019.
3. External Assessor for the post of Associate professor, UMP 2018.
4. Panel Expert for Post of Professor and Associate Professor in the Department of Computer Science (October. 2014- to date).
5. Panel Expert for Post of Professor and Associate Professor, Faculty of Management Sciences, International Islamic University Islamabad, Pakistan (October 2012 to date).
6. Panel Expert on Scholarship "Human Life Advancement Foundation" Malaysia based Charity (2015).

Books Reviewed:

1. Altaf Mukati "Error Control Coding for Digital Systems", Published by Higher Education Commission of Pakistan (HEC) Islamabad, Pakistan, 2008-9.

Journal paper reviewer

1. Journal of King Saud University, KSA, 2019.
2. International Journal of Information Management – Elsevier. 2018
3. Sindh University Research Journal (Sci-Ser).
4. Asian Journal of Engineering, Sciences and Technology.
5. Malaysia Journal of Computer Science (MJCS).
6. MUET Journal of Engineering and Technology, Jamshoro, Pakistan.
7. Pakistan Journal of Engineering, Science and Technology.
8. IIUM Journal of Case Studies in Management
9. Science publications, AJBB

Research Grants Proposal Reviewed:

1. Two proposals assessed for (HEC Pakistan 2005-9)
2. FRGS, ERGS, PRGS, internal assessor of KICT – IIUM (2011-to date)

Research Projects In hand:

1. Lead PI in a Hamad Bin Khalifa University (HBKU) Innovation Centre Idea Development Grant for "Vocabulary learning of children with autism spectrum disorder (ASD) using mobile augmented reality (MAR) app – from the development to an evaluation" from 1st July 2019 to 30th June 2020 of total amount QAR 50,000.00.
2. Determination of Frequencies of the Character Set of Bahasa Malay (A-Type, Endowment Fund) (Principle Investigator)
3. Mobile Hajj Directory (B-Type Endowment Fund) (Co-Investigator)
4. Research methodology a practical approach (A-Type Endowment fund) KVC program of IIUM, 2011.
5. Numeric of Bahasa Malay, Indonesian and English Languages (A-Type Endowment Fund) KVC program of IIUM, 2011-2014
6. Development of text compression package for tri-lingual text" (Principle investigator (2011-2013) B-Type endowment fund. IIUM.
7. On Adverse and Non-Uniform Traffic Patterns on H3DM Networks", (Co-investigator) IIUM, B-Type Endowment 2011-2013
8. A Novel Model of routing Protocol for Mobile Ad-Hoc Networks Based on Link Reliability (Co-Researchers) RAGS 2012. (Completed).
9. Research methodologies: An Islamic perspective (Principal investigator), B-Type endowment fund. IIUM 2013, dated 28 March 2013, EDW B14-147-1032.

Courses Taught at the postgraduate and undergraduate level

Advanced enterprise integration, enterprise integration, wireless and mobile communication, IT project and change management (MS), Advanced database Management (MS), wireless communication (MS). Islamic worldviews (MS). Operating system, artificial intelligence, systems analysis and design, multimedia technology, animation techniques, creative design techniques, multimedia compression techniques, multimedia communication networks, probability theory and random process, signal and systems, digital systems, IT security, Research methodologies for IT, web programming I and II, Management Information Systems, Introduction to computers. Basic Electronics, Electronic Circuits.

International Consultancy:

1. Consultant – Panoply Malaysia, www.panoplyconsultancy.com, Malaysia, 2014 onwards.
2. Consultant – Gulf University Kingdom of Bahrain. 2017-2019.
3. Consultant and advisor for Islamic University In Uganda (IUIU), January 2018 to date.

Certificates of Achievement and Excellence

1. **Silver Model** on "Procedural Model of Horse Simulation" held at International Islamic University of Malaysia Research Invention and Innovation Exhibition February 2013.
2. **Bronze Model** on "Tri-Lingual Statistical Characteristics and Comparison: Bahasa Malayu, Indonesian and English", held at International Islamic University of Malaysia Research Invention and Innovation Exhibition (IRIIE) February 2012.
3. **Bronze Model** on "Frequencies Determination of characters for Bhasa Melayu", held at International Islamic University of Malaysia Research Invention and Innovation Exhibition (IRIIE) February 2012.
4. **Best Paper award** on "Expression Driven Trigonometric–based Procedural Animation of Quadrupeds" at International Conference on Informatics and Creative Multimedia (ICICM'13) at UTM, Kuala Lumpur, September 2013.
5. **Best Paper award** on "Green IT based Energy Efficiency Model for Data Centers to reduce energy consumption" at International Journal of Current Research and Review Vol 3. Issue 10.
6. **Appreciation** on product E-Hajj: A Multimedia Mobile Dictionary for Hajj presented in Research and Innovation in IS (IRIIS 2011) at Kuala Lmpur, Malaysia.
7. **Appreciation** on organizing PACLING Conference at International Islamic University of Malaysia, July 2011.

Certificates of Participation

1. International Islamic University of Malaysia Research Invention and Innovation Exhibition February, 2013.
2. Premier Ibadah Camp (No.1) for Leaders held at KWSP Institute, Bangi, Selangor Darul Ehsan, Malaysia, and February 2013.
3. ACM SIGGRAPH VRCAI 2012 held at Nanyang Executive Centre, Singapore, and December 2012.
4. International Conference on Education and New Learning Technologies held at Barcelona, Spain, July 2012.
5. Ta'rauf and Intellectual Discourse No. 39 (TIDE 39) for IIUM Academic staff at Centre for Professional Development, International Islamic University of Malaysia.

References:

1. Prof. Ahmet Kondoz

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