



PROF. DR. SOHAIL ASGHAR

Nationality: Dual citizenship - Pakistan and Australia

Residence: Islamabad, Pakistan

Address: House 514, Street 67, I-8/3, Islamabad.

Contact:

Cell: +92 333 5455 953

Email: Sohail.Asg@gmail.com

OBJECTIVE

As the current In-Charge of COMSATS University Islamabad campus and Dean of the faculty of Information Sciences and Technology, with a wealth of experience in implementing and navigating complex policies. My objective is to leverage my proven leadership skills to drive academic excellence, research innovation, and foster an environment of continuous improvement. Committed to upholding the principles of the national education framework, I aim to lead with strategic vision, ensuring the institution growth, compliance, and contribution to societal progress.

GOALS

Strategic Objectives for the Leadership Position

Academic Excellence

- Innovate teaching methods and curriculum per HEC policies.
- Mentor students and faculty aligning with educational goals.

Research Advancement

- Establish robust research infrastructure.
- Proactively collaborate with students, peers, industry, and international institutes.
- Ensure alignment with HEC's guidelines on research and doctoral programs.

Thought Leadership and Expertise

- Academic thought leader nationally and internationally.
- Contribute to university's reputation.
- Adhere to HEC's standards of academic excellence.

Resource Mobilization

- Seek external funding for research and academic programs.
- Adhere to HEC financial guidelines.
- Ensure sustainable university growth.

Research Dissemination and Visibility

- Publish research in reputable journals.
- Ensure compliance with HEC publication standards.
- Present research outcomes at conferences.
- Disseminate knowledge and enhance university visibility.
- Contribute to national and global academic discourse.

Aspirations in Academia and Research

In my capacity as an academician and researcher, I aspire to achieve the following objectives:

- Adaptive teaching methods implementation
- Student and junior faculty mentoring
- Dynamic research environment fostering
- Thought leadership for institutional reputation enhancement
- External funding seeking for sustained growth
- Research publication and findings presentation
- High-quality research conduction
- Continuous professional development engagement
- Academic community contribution through peer reviewing and editorial roles
- Institutional governance participation for development and strategic direction
- Promotion of research, innovation, and critical thinking culture
- Ethical conduct demonstration in research for academic integrity

Educational VISTA

1. Doctor of Philosophy (Computer Science), Clayton School of Information Technology,
Monash University, Melbourne, Australia, 2006

Title: A dynamic Integration Model for Decision Support in Disaster Management

2. Bachelor of Computer Science (Hons), University of Wales, Aberystwyth, United Kingdom, 1994

PROFESSIONAL PROFILE

Administrative Experience

COMSATS University Islamabad Campus In-charge ship Highlights August 2023- To Date

- Managed 3.186 billion budget for Islamabad campus.
 - Increased revenue by introduction of new programs and increased intake
 - Attracted funds and sponsors to alleviate CUI's financial burden.
 - Uplifting of Campus infrastructure through collaboration with industry and reducing financial burden on the campus
 - Expedited pending Procurement tenders and payments
 - Adoption of E-Procurement at Islamabad campus
 - Focus on utilizing the available resources and teams instead of outsourcing the tasks
 - Up gradation of Student Affairs for facilitation of students and enhanced experience
- Led four consecutive Selection Boards.
 - Selection Boards of Faculty 2022 and 2023
- Executed smooth promotion processes for SG & OG employees.
 - Staff grade promotion and Time Scale Committee 2023
- Increased employee retention
 - No resignations in last two semesters.
- Orchestrated FIT—an international IT conference for nineteen years.
 - General Chair for FIT 24
- Optimized day-to-day campus operations for enhanced efficiency.
 - Digitization of the departments such as HR, Services, Maintenance
- Formulated policies for conducive work environment.
 - Reformed Proctoral Board
 - KPIs for each department for clear goals and plans
- Achieved admissions success with targeted policy in Spring 2024
 - Strategic Digital Marketing campaigning through Social Media platforms
- Guided smooth implementation of national policies, including HEC's GEP-2023.
- Conducted targeted training for comprehensive compliance.
 - Training of Staff through In-house facility of FDA and invited speakers from industry
- Managed launch of new graduate programs, aligning with regulatory guidelines.
 - MS(Artificial Intelligence)
- Enhanced program-level criteria in alignment with GEP-2023 standards.
 - OBE based curriculum for Undergraduate and Graduate programs
- Established robust governance for doctoral research systems.
 - Restructuring of GAC for effective mentoring
- Balanced university autonomy within Charter/Act framework, ensuring GEP-2023 compliance.
- Fostered collaborations at local, national, and international levels for graduate programs.
- Ensured compliance with HEC policies, taking corrective actions against violations.
- Facilitated effective communication channels among university stakeholders for policy changes.
- Online branding and Marketing: Successful Spring 2024 admission campaign.

- ✓ 8.2K% increase in total reach.
 - ✓ 234.7% increase in organic reach.
 - ✓ Instagram metrics: 3.7(k)% total reach, 176.7% profile visits, 800 new followers.
 - ✓ SEO impact: 19% increase in overall BS program admissions.
 - ✓ New program success: 101 applications for BS (International Relations), BS(Electronics) applications increased from 8 to 36.
 - ✓ Overall objectives met: Increased admissions, improved SEO, significant social media growth, enhanced program awareness.
- **Developed & updated Scheme of Studies** for BS(CS) 2016, BS(SE) 2017, MS(CS) 2018, PhD(CS) 2019, MS(SE) 2020, BS(SE) 2020, MS(CT) 2020, MS(AI) 2020, BS(AI) 2021, BS(CT) 2021, BS(DS) 2021
 - Revised all SoS of BS (CS, SE, CT, AI, DS) as per HEC 23 policy.
 - Introduced new programs:
 - BS(Economics Data Analytics) 2024
 - BS(Mathematics Data Science) 2024.
 - **Spring 2024 Admissions- Remarkable Success**
 - Increased Applications:
 - Well-thought-out admission policy in Spring 2024.
 - Significant increase compared to previous sessions.
 - Targeted Social Media Campaign (Spring 2024):
 - Introduced campaign resulting in a 20% increase.
 - Equivalent to 655 more applications than Spring 2023.
 - Significant Increase in Admitted Students (Spring 2024):
 - Launch of new programs - BS IR and BS Electronics.
 - Admitted 52 and 118 students, respectively.

Contributions to Higher Education:

Member, HEC / NCEAC Accreditation Council:

- Shaped and upheld accreditation standards.
- Involved strategically in decision-making.

Accreditation Visits of Universities:

- Directly engaged in on-site visits.
- Evaluated institutional practices for improvement.

Designed Evaluation Forms and Metrics for NCEAC Accreditation:

- Pioneered modernized evaluation tools.
- Introduced metrics aligning with educational paradigms.

Membership in HEC Committee for NOC Granting:

- Strategically involved in new university establishment.
- Contributed to the regulatory framework for high educational standards.

Designed and Implemented OBE Based Curriculum at CUI (Computer Science):

- Architected outcomes-driven curriculum structures.
- Focused on enhancing quality and relevance in Computer Science education.

Made Significant Contributions through Medical Imaging and Diagnostics Lab:

- Budget of 97.57 Million
- Spearheaded projects bridging academia and industry.
- Nurtured a research culture, mentored MS/PhD students.
- Organized impactful academic events.
- Cultivated an environment for productive collaboration and knowledge exchange.

Supplementary Academic and Leadership Engagements

University-level Leadership:

- Convened committees, led selection boards.
- In-depth knowledge of statutes and regulations.

Accreditation Experience:

- Experienced in accreditation self-evaluation.
- Served on HEC accreditation evaluation team.

Curriculum Design Expertise:

- Designed outcome-based curriculum for Computing programs.
- Aligned learning outcomes with mission, industry needs, ACM/IEEE requirements.
- Developed clear course objectives and assessment methods.
- Ensured adherence to ACM/IEEE Curriculum guidelines.
- Collaborated for an effective, up-to-date curriculum meeting global standards.

Pedagogical Endeavors

Instructional Background

Teaching Experience:

- Substantial in Data Science, Computer Science, Software Engineering, and Information Systems.
- Diverse audiences at undergraduate and graduate levels.

Teaching Methodology:

Threefold approach: Core concept introduction, challenging questions, graduate-level research discussions.

Collaborative Projects:

- Involve students, foster teamwork.
- Maximize advanced tool utilization.

Student Engagement:

- Encourage team project participation.
- Guide effective tool use.

Industry Insights:

- Arrange sessions with industry guests, alumni.
- Provide professional insights and experiences for students.

Research and Industry Proficiency

Project: Medical Imaging and Diagnostics Lab Jan 2021 - To Date

My Role: Principal Investigator

Project Value: 97.57 Million

Lab Establishment:

- NCAI component, HEC-funded project (Rs. 97.57 million).

Achievements:

- Developed AI based tools for breast cancer, tuberculosis, brain cancer.
- AI products: Tashkhees (Breast Cancer), BrainViz (Brain Tumor), TSS (Tuberculosis).
- Integrated into AI-based DICOM viewer, operational in hospitals nationwide.

Research and Publications:

- 20+ research papers, secured two research fundings.

Commercialization:

- Launched startups AI-Care and Cypher Technologies, SECP registered.

Recognition and Collaboration:

- Participated in national, international events.
- Products consistently high-ranking in international challenges.
- Established collaborative ties locally and internationally.

PROFESSIONAL EXPERIENCE (Total 30 Years)

Dean

Faculty of Information Sciences and Technology

COMSATS University, Islamabad

February 2024 - To Date

Academic Leadership:

- Led (07) Computer Science Department(s).
- Developed policies and programs.

Campus Collaboration:

- Addressed challenges across campuses.
- Fostered cohesive approaches.

Operations Oversight:

- Conducted regular operations.
- Addressed issues in the department.

Faculty Management:

- Managed faculty recruitment and evaluation.
- Oversaw promotion and tenure processes.

Board Meetings:

- Presided over University Academic meetings.

Curriculum Design and Improvement:

- Organized and Conducted training of HoDs on OCE based Curriculum
- Addressed challenges of campuses and faculty regarding the curriculum.
- Upgradation of the curriculum for Undergraduate and Postgraduate to cater the evolving need and aligning with the HEC guidelines.

Dean

*Faculty of Business Administration
COMSATS University, Islamabad
December 2021 – May 2022*

Program Implementation:

- Introduced Business Analytics and Audit & Taxation programs.
- Tailored programs for business and finance student success.

Faculty Development:

- Organized training programs for faculty.
- Ensured faculty proficiency in teaching business analytics.

Student Recruitment:

- Implemented effective marketing strategies.
- Collaborated for recruitment events and top student attraction.
- NBEAC Accreditation:
- Secured accreditation for Wah campus.
- Demonstrated quality and excellence in business education.

Chairman

*Faculty of Information Sciences and Technology
COMSATS University, Islamabad, Pakistan
June 2018 – June 2021*

Academic Leadership:

- Led Computer Science Department.
- Developed policies and programs.

Campus Collaboration:

- Addressed challenges across campuses.
- Fostered cohesive approaches.

Operations Oversight:

- Conducted regular operations.
- Addressed issues in the department.

Faculty Management:

- Managed faculty recruitment and evaluation.
- Oversaw promotion and tenure processes.

Board Meetings:

- Presided over Board of Studies meetings.
- Led Departmental Tenure Review Committee.

Chief Technologist

COMSATS University, Islamabad, Pakistan.

April 30, 2014 – May 2016

Strategic Guidance:

- Provided strategic leadership.
- Guided technological direction.

Trend Identification:

- Identified emerging technologies.
- Recognized industry trends.

Technology Strategy:

- Crafted technology strategy.
- Aligned with COMSATS University's goals.

Director

PMAS-Arid Agriculture University, Rawalpindi, Pakistan University Institute of Information

Technology November 1, 2011 – April 30, 2014

Program Enhancement:

- Enhanced Computer Science programs.
- Managed 80 staff/faculty.

Educational Supervision:

- Supervised educational activities.
- Ensured effective administration.

Financial Planning:

- Prepared annual budgets.
- Presented to University Council.

Networking Leadership:

- Led Networking technology implementation.
- Managed policies in Data Centre.

Budget Controls:

- Controlled fund expenditures.
- Aligned with allocated budget.

Quality Enhancement:

- Oversaw Self-Assessment reports.
- Managed Quality Enhancement Cell.

Committee Participation:

- Engaged in University meetings.
- Contributed to HEC and committees.

Professional Development:

- Provided development opportunities.

- Facilitated faculty and staff.

CMS Development:

- Executed Campus Management System.
- Led Oracle 10g CMS team.

Research Leadership:

- Led Research Group of 15.
- Conducted activities in Data Mining, Machine Learning, and Data Science.

Associate Professor

*Mohammad Ali Jinnah University, Islamabad, Pakistan
July 15, 2009 – October 31, 2011*

In my capacity within this role, I undertook various responsibilities and played a key role in:

1. Supervised research theses for MS/PhD students.
2. Taught courses at both undergraduate and graduate levels.
3. Headed the Research Group (CORDE).
4. Led workshops and seminars.
5. Participated in meetings of academic bodies.

Head R&D/ Assistant Professor

*SZABIST University, Islamabad, Pakistan
June 1, 2007 – July 8, 2009*

Teaching & R&D:

- Taught at SZABIST.
- Conducted research & development.

Event Organization:

- Organized research events.
- Conducted seminars, conferences, lectures, and presentations.

Program Launch:

- Launched new academic programs.
- Coordinated student research.

Research Policy:

- Formulated MS/PhD research policy.
- Supervised student theses.

Academic Instruction:

- Taught at undergrad and grad levels.
- Conducted Research Methodology Workshops.

Workshop Conduct:

- Conducted workshops every semester.

Research Associate

Monash University, Australia
Clayton School of IT, Melbourne, Australia
2006 – 2007

In this role, I Assisted in research projects, including data collection, analysis, and reporting of findings.

Senior Scientific Officer

Dr. A. Q Khan Research Laboratories, Kahuta, Rawalpindi, Pakistan (KRL)
Chief Technologist
01, Oct. 1991 – 03, July 2006

KSOFT (Subsidiary of KRL) May 2000 – 03, July 2006

Responsibilities Undertaken:

1. Executed an executive-level role within the organization.
2. Developed IT strategies for the organization.
3. Managed and conducted corporate training for government and private establishments.
4. Developed software for a transputer-based system using ANSI Parallel C.
5. Tested software written for the transputer-based system.
6. Served as a squad leader for developers involved in the conception and implementation of databases in Oracle 8 & 9i and web applications.

ACADAMIC HONORS and AWARDS

- Australian Postgraduate Award for Industry, Australian Research Council, Monash University, Jan.2004 – April 2006.
- Oracle Certified Professional (OCP) - 2000.
- Awarded Travel Grants (FOUR Times) from Higher Education Commission (HEC) of Pakistan.
- Best Professor of the Year 2010 Award at M. A. Jinnah University.
- COMSATS Research Productivity Award 2014 to Present

SUPERVISIONS

Supervision: MS Thesis (Completed): More than 150 MS Thesis Supervised.

Supervisor: PhD Thesis (Completed):

Muhammad Naeem - April 2014 MAJU (Title: STRUCTURE LEARNING FRAMEWORK BASED ON MUTUAL COHERENCE IN BELIEF NETWORK)

Ijaz Hussian – Nov 2018 COMSATS University (Title: AUTHOR NAME DISAMBIGUITY USING MACHINE LEARNING)

Tariq Ali - July 2019 Abasyn University (Title: LEARNING MULTI-LABEL DOCUMENT CLASSIFICATION USING SWARM INTELLIGENCE)

Saif Ur Rehman – July 2019 Abasyn University (Title: A Frequent Graph Pattern Mining Approach for Evaluation of Trends in social media)

Bilal Saeed Raja – September 2021 COMSATS University Islamabad (An Integrated Clinical Decision Support System for Disease Classification: A Multi-Objective Genetic Fuzzy Optimization Approach)

Hasna Arshad – September 2021 COMSATS University Islamabad (Challenges in Successful Implementation of eGovernment Projects in Pakistan: A Process Perspective)

Isma UL Hassan – June 2022 COMSATS University Islamabad (Predicting Project Outcomes Leveling Planning, Cost and Scheduling)

Zafar Mehmood – April 2022 COMSATS University Islamabad (A novel Ensembled Based Wrapper Approach for Improving the Multi-Classification Accuracy on Imbalanced Datasets)

Sofia Kanwal – June 2022 - COMSATS University Islamabad (A Speech recognition system using Machine Learning)

Imran Qureshi – Jan 2023 SZABIST (Performance Improvement of IEEE 802.11 WLAN, IEEE 802.15.4 LR-WPAN, IEEE 802.15.6 WBAN through Contention Window Optimization)

Kabir Bhatti – Jan 2023 SZABIST (Self Adaptive Congestion Control Model for Wireless Sensor Network)

Ayesha Manzoor – April 2023 IIU (Author Name Disambiguation using Deep Learning Techniques)

Mahmood Binyata – April 2023 - COMSATS University Islamabad (How do Social Networks Influence Social Drive: A Comparative Analysis between Pakistani and Jordanians' Youth)

COURSES TAUGHT

Graduate/Undergraduate Courses:

Computer Modeling and Optimization, Data Mining-I & II, Software Engineering-I & II, Machine Learning, Mathematical Modeling and Simulation, Database Systems- I & II, Distributed Database Systems, Object-Orient Programming (OOP), Data Structures, Business Case Development, System Analysis and Design, Introduction to Computing, Decision Support Systems, Data Warehousing, Business Intelligence, Research Methodology, Distributed Systems, Resource Sharing Architectures, Advanced Operating Systems, Software Quality Systems, Cloud Computing, Distributed Systems, Service Oriented Architecture. Introduction to Data Science.

WORKSHOPS CONDUCTED

- Conducted multiple hands-on workshops (2006-Present) on topics including *Research methodology, Data Analytics, Machine Learning, Data Science* and *OBE*.
- Designed and developed workshop materials and activities to engage learners and promote practical application of concepts.
- Received positive feedback from participants, with an average satisfaction rating of 4.5/5
- Adapted workshops to meet the needs of diverse audiences, including students, professionals, and community members.

PAPERS PRESENTED

- Presented at the 2010 International Conference on Data Mining, Las Vegas, Nevada, USA, July 2010.
- Keynote Speaker at 2nd PASTIC Workshop on Data Mining and Data Warehousing, May 22, 2009.
- Presented at the International Conference on Enterprise Information Systems and Web Technologies (EISWT-08), Orlando, FL. USA, 7-10 July 2008
- Presented at the Australia and New Zealand Systems Conference 2007 (ANZSYS'07), Auckland, New Zealand
- Presented at the 11 APDSI, Conference held in Hong Kong, June 2006.
- Presented at the third International Conference on Hybrid Intelligent Systems, Melbourne, Australia. Dec. 2003.
- Presented at the third International Conference Information & Finance, London, Australia. 18-19 Nov 2013
- Keynote Talk on Big Data: Challenges and Opportunities, at Frontier of Information Technology 2017

PUBLICATIONS

Refereed International Journal Papers

1. Bhatti, K.A., Asghar, S. and Naz, S., 2024. Multi-objective fuzzy krill herd congestion control algorithm for WSN. *Multimedia Tools and Applications*, 83(1), pp.2093-2121. <https://doi.org/10.1007/s11042-023-15200-8> Impact Factor 2.577
2. Akram, M.T., Asghar, S. and Shahid, A.R., 2023. Effective data augmentation for brain tumor segmentation. *International Journal of Imaging Systems and Technology*. Impact Factor 3.3
3. Qureshi, I.A. and Asghar, S., 2023. A systematic review of the IEEE-802.11 standard's enhancements and limitations. *Wireless Personal Communications*, 131(4), pp.2539-2572. <https://doi.org/10.1007/s11277-023-10553-7> Impact Factor 1.671
4. Sumra, M., Asghar, S., Khan, K.S., Fernández-Luna, J.M., Huete, J.F. and Bueno-Cavanillas, A., 2023. Smartphone apps for domestic violence prevention: a systematic review. *International journal of environmental research and public health*, 20(7), p.5246. <https://doi.org/10.3390/ijerph20075246> Impact Factor 2.101
5. Hasna Arshad, Sohail Asghar, Muhammad Asim Noor (2023): A framework for eGovernment project success: an exploratory study using systematic literature review and empirical investigation. *Electron.Gov. an Int. J.* 19(1): 22-54 (2023). Impact Factor 0.278
6. Qureshi, I.A., Asghar, S. & Noor, M.A. (2022) FuCWO: a novel fuzzy-based approach of contention window optimization for IEEE-802.15.6 WBANs. *Appl Intell* (2022). <https://doi.org/10.1007/s10489-022-04001-5>. Impact Factor 5.08
7. Ayesha Manzoor, Sohail Asghar, Tehmina Amjad (2022): Toward a New Paradigm for Author Name Disambiguation. *IEEE Access* 10: 76055-76068 (2022) Impact Factor 3.367
8. Sofia Kanwal, Sohail Asghar (2022). Feature selection enhancement and feature space visualization for speech-based emotion recognition. *PeerJ Comput. Sci.* 8: e1091 (2022), Impact Factor 2.411
9. Tehseen Abbasi, Yaser Hafeez, Sohail Asghar (2022): Towards a component-based system model to improve the quality of highly configurable systems. *PeerJ Comput. Sci.* 8: e912 (2022). Impact Factor 2.411
10. Sayyida Tabinda Kokab, Sohail Asghar, Shehneela Naz (2022), "Transformer-based deep learning models for the sentiment analysis of social media data" *Array*, Volume 14, 2022, 100157, ISSN 2590- 0056, <https://doi.org/10.1016/j.array.2022.100157>.
11. Bhatti, K.A., Asghar, S. (2022). "Progressive Fuzzy PSO-PID Congestion Control Algorithm for WSNs" *Arab J Sci Eng* (2022). <https://doi.org/10.1007/s13369-022-06701-z>. Impact Factor 2.334
12. S. Kanwal and S. Asghar, (2021). "Speech Emotion Recognition Using Clustering Based GA-Optimized Feature Set," in *IEEE Access*, vol. 9, pp. 125830-125842, 2021, doi:

10.1109/ACCESS.2021.3111659. **Impact Factor 3.367**

13. Moqurrab, U. Ayub, A. Anjum, S. Asghar and G. Srivastava, (2021). "An Accurate Deep Learning Mode for Clinical Entity Recognition from Clinical Notes," in *IEEE Journal of Biomedical and Health Informatics*, vol. 25, no. 10, pp. 3804-3811, Oct. 2021, doi: 10.1109/JBHI.2021.3099755. **Impact Factor 5.772**
14. Malik M, Niaz, I, Dar, A., Asghar, S. (2021), "An Adaptive SAR Despeckling Method Using Cuckoo Search Algorithm", Vol - 29, DOI - 10.32604/iasc.2021.017437, Intelligent Automation & Soft Computing. **Impact Factor 1.647**
15. Ahmad, N., Asghar, S. & Gillani, S.A. (2021) Transfer learning-assisted multi-resolution breast cancer histopathological images classification. *Visual Computer* (2021). <https://doi.org/10.1007/s00371-021-02153-y>, **Impact Factor 2.601**
16. Arshad. H, Asghar. S, and Noor. A (2021), "Developing a reference framework to select software process for eGovernment projects: Evidence from industry", *Global Scientific Journal*, Vol 9, no. 3, ISSN. 2320-9186. **Impact Factor 1.2**. EOI. 10.11216/gsj.2021.03.49524.
17. Z. Mehmood, S. Asghar. (2021). "Mapping Overlapped Samples into Higher Dimension from Complex Multi-class Imbalanced Problems Using SVM ++", *Informatica Journal*, Vol. 32, no 2, Year 2021. **Thomson Reuters Master Journal List Impact Factor: 1.928**
18. Qureshi, I.A., Asghar, S. (2021). A genetic fuzzy contention window optimization approach for IEEE 802.11 WLANs. *Wireless Netw* (2021). <https://doi.org/10.1007/s11276-021-02572-8>. **Thomson Reuters Master Journal List Impact Factor: 2.659**
19. Mehmood, Z., Asghar S., (2021) "Customizing SVM as a base learner with AdaBoost ensemble to learn from multi-class problems: A hybrid approach AdaBoost-MSVM". *Knowledge-Based Systems*, Volume 6 April 2021, 106845. **Thomson Reuters Master Journal List Impact Factor: 5.101**
20. U. Hassan and Asghar S, (2021) "A Framework of Software Project Scope Definition Elements: An ISM DEMATEL Approach," in *IEEE Access*, vol. 9, pp. 26839-26870, 2021, doi: 10.1109/ACCESS.2021.3057099. **Thomson ISI Impact Factor 4.098**
21. Hafeez, Y., Asghar, S., Arif, B. (2020), Role of situational method engineering to improve visual information systems in agile distributed environment, *Multimedia Tools and Applications*, 1-28, DOI: 10.1007/s11042-020-09896-1. **Thomson Reuters Master Journal List Impact Factor: 2.313**
22. Saif Ur Rehman and Sohail Asghar (2020), Online social network trend discovery using frequent subgraph mining, *Social Network Analysis and Mining*, Springer, Volume 10, Issue 1, pp 1-13. **Thomson Reuters Master Journal List Impact Factor: 1.61**.
23. A. Ishaq, S. Asghar and S. A. Gillani, (2020), "Aspect-Based Sentiment Analysis Using a Hybridized Approach Based on CNN and GA," in *IEEE Access*, vol. 8, pp. 135499-135512, 2020, doi: 10.1109/ACCESS.2020.3011802. **Thomson ISI Impact Factor 4.098**.
24. Arshad, H., and Asghar, S., (2020), "An Empirically-Derived Taxonomy of eGovernment Challenges". *IEEE Access*, Vol 8 (1), ISSN 2169-3536. **Thomson ISI Impact Factor 4.098**.
25. Raja, Bilal & Asghar, Sohail. (2020). Disease classification in health care systems with game

- theory approach. IEEE Access. PP. 1-1. 10.1109/ACCESS.2020.2991016. **Thomson ISI Impact Factor 4.098.**
26. Bilal Saeed Raja and Sohail Asghar (2020), "Beyond the Horizon: A Meticulous Analysis of Clinical Decision Making Practices" International Journal of Advanced Computer Science and Applications (IJACSA), 11(2), 2020. <http://dx.doi.org/10.14569/IJACSA.2020.0110287> **Indexed by Web of Science**
27. Raja BS, Asghar S. (2020). Using health data repositories for developing clinical system software: A multi objective fuzzy genetic approach. IET Software. DOI: 10.1049/iet-sen.2019.0261 **Thomson ISI Impact Factor 1.07.**
28. Raja BS, Asghar S. (2020) Multi-Objective Evolutionary Algorithm using Fuzzy Genetic for Disease Prediction. Journal of Medical Imaging and Health Informatics. (**Thomson ISI Impact Factor 0.549**)
29. Ali, S, Hafeez, Y, Asghar, S, (2020) " Aspect Based Requirements Mining Technique to Improve Prioritization Process: Multi Stakeholder Perspective" IET Software Journal, DOI: 10.1049/iet-sen.2019.0332 , Print ISSN 1751-8806, Online ISSN 1751-8814 Available online: 29 April 2020, **Thomson ISI Impact Factor 1.07**
30. Ali, T., Asghar, S. (2019). "Efficient label ordering for improving multilabel chain classifier accuracy". Journal of the National Science Foundation of Sri Lanka, Vol 47 (2), ISSN 1391-4588 **Thomson ISI Impact Factor 0.143.**
31. Mouben Farooq Khan; Sohail Asghar; Manzoor Illahi Tamimi (2019). "Multi-objective Transport System Based on Regression Analysis and Genetic Algorithm using Transport Data". IEEE Access (Volume:), Page(s): 71013 – 71037, Electronic ISSN: 2169-3536, DOI: 10.1109/ACCESS.2019.2918217, Electronic ISSN: 2169-3536, **Thomson ISI Impact Factor 4.098..**
32. Tahir, M., Asghar, S., Manzoor, A., and Noor, M. (2019). "A Classification Model for Class Imbalance Dataset Using Genetic Programming ". IEEE Access (Volume: 7), Page(s): 71013 – 71037, Electronic ISSN: 2169-3536, DOI: 10.1109/ACCESS.2019.2915611. Electronic ISSN: 2169-3536, **Thomson ISI Impact Factor 4.098.**
33. Hussain, I., Asghar, S. (2019) "Incremental author name disambiguation using author profile models and 2 self-citations". The Turkish Journal of Electrical and Computer Sciences. 27(5), 3665-3681. ISSN:1300-0632, **Thomson ISI Impact Factor 0.625.**
34. Rehman, S., Asghar, S. (2019). "A-RAFF: A Ranked Frequent FP-Growth Subgraph Pattern Discovery Approach" Journal of Internet Technology. Vol. 2, Issue. 2, **Thomson ISI Impact Factor 1.301**
35. Nawaz, A., Asghar, S. & Naqvi, S.H.A. (2018). A segregational approach for determining aspect sentiments in social media analysis. Journal of Supercomputing (2018). <https://doi.org/10.1007/s11227-018-2664-3>, ISSN: 0920-8542 (Print) 1573-0484 (Online), **Thomson ISI Impact Factor 1.53**
36. Rehman, S., Asghar, S., Fong, S. (2018). "Optimized and frequent subgraphs: How are they related?" IEEE Access. Vol.6, Issue-1, pp. 37237-37249 **Thomson ISI Impact Factor 3.557.**

37. Ijaz, S., Ahmad F., Asghar S., Alam, M. (2018) "Vector Based Genetic Algorithm (VBGA) to Optimize Predictive Analysis in Network Security ". *Applied Intelligence*, May 2018, Volume 48, [Issue 5](#), pp 1086– 1096 <https://doi.org/10.1007/s10489-017-1026-9>, PP 1-11, ISSN: 0924-669X Springer US, **Thomson ISI Impact Factor: 1.983**
38. Hussain, I., Asghar, S. (2018) "Author Name Disambiguation by Exploiting Graph Structural Clustering and Hybrid Similarity". *Arab Journal for Sci Eng* (2018). December 2018, Volume 43, [Issue 12](#), pp 7421– 7437. <https://doi.org/10.1007/s13369-018-3099-0>. **Thomson ISI Impact Factor: 1.092**
39. Hussain, I., Asghar, S. (2018) "DISC: Disambiguating Homonyms using Graph Structural Clustering", *Journal of Information Science*. ISSN: 0165-5515, <https://doi.org/10.1177/0165551518761011> **Thomson ISI Impact Factor: 1.372**
40. Hussain, I., Asghar, S. (2018) "Resolving namesakes using the author's social network", *The Turkish Journal of Electrical and Computer Sciences*. ISSN: 1300-0632. Year 2018, Volume 26, Issue1, Pages 554 – 569, **Thomson ISI Impact Factor: 0.578**
41. Hussain, I., Asghar, S. (2017). A survey of author name disambiguation techniques: 2010–2016. *The Knowledge Engineering Review*, Vol 32. Doi: 10.1017/S0269888917000182. ISSN: 0269-8889 (Print), 1469-8005 (Online) **Thomson ISI Impact Factor: 1.51**
42. Ali, T., Asghar S. (2017) "Multi-label Scientific Document Classification", *Journal of Internet Technology*, vol. 19, no. 6, pp. 1707-1716, Nov. 2018. **Thomson ISI Impact Factor: 1.380**
43. Bahjat Fatima, Huma Ramzan, Sohail Asghar, (2016) "Session identification techniques used in web usage mining: A systematic mapping of scholarly literature", *Online Information Review*, Vol. 40 Issue:7, pp.1033-1053, <https://doi.org/10.1108/OIR-08-2015-0274>
44. Rehman U. N., Asghar, S., Usman, M., Fong, S., Cho, K., Park. Y (2016). High Level Classification Recommended Decision Making for Autonomous Ground Vehicle (AGV). *Journal of Computational and Theoretical Nanoscience*, 13(7):4284-4292, July 2016, ISSN: 1546-1955, American Scientific Publishers, **Thomson ISI Impact Factor: 1.34.**
45. Muhammad Usman, M. Usman and Sohail Asgar (2016), "A fuzzy-based methodology for accurate classification and prediction in large data sets". *Journal of Intelligent & Fuzzy Systems* vol. 31, no. 3, pp. 1759-1768, 2016. DOI:10.3233/JIFS-152176, **Thomson ISI Impact Factor: 1.8**
46. Hussain, T., Asghar, S. (2016). "Chi-Squar Based Hierarchical Agglomerative Clustering for Web Sessionization". *Journal of the National Science Foundation of Sri Lanka* 2016 44 (2): 211-222 DOI: <http://dx.doi.org/10.4038/jnsfsr.v44i2.8002>, ISSN 1391-4588 **Thomson ISI Impact Factor 0.143.**
47. Hafeez, Y., Asghar, S., Ahmad, K., and Hussain, A. (2016). "A Taxonomy to support Team Coordination in Global Software Engineering Environment" *Journal of Computational and Theoretical Nanoscience*, Vol. 13, 3238–3247, 2016, ISSN:1546-1955, American Scientific Publishers, **Thomson ISI Impact Factor: 1.34.**
48. Rehman, S., Asghar, S., Fong, S., Zhuang, Y. (2014). "Performance Evaluation of Frequent

Subgraph Discovery Techniques” Mathematical Problems in Engineering. Vol. 2014, Article ID 869198, 6 pages, 2014. doi:10.1155/2014/869198. **Thomson ISI Impact Factor 1.383.**

49. Naeem, M. and Asghar, S. (2014). “A Parameter Free BNN Discriminant Function for Optimal Model Complexity Versus Goodness of Data Fitting” Journal of Applied Research and Technology (JART) June 2014, Vol. 12 Issues. 4, Pp 734- 749, ISSN: 1665-6423. **Thomson ISI Impact Factor 0.447.**
50. Faisal Shahzad, Sohail Asghar, and Khalid Hussain. “A Fuzzy Based Scheme for Sanitizing Sensitive Sequential Patterns” The International Arab Journal of Information Technology (IAJIT), Volume 12, No.1, January 2015, Pp. 60 - 68 ISSN: 1683-3198 **Thomson ISI Impact Factor: 0.39.**
51. Naeem, M. and Asghar, S. (2014). “Scientific Study of Religion in Vexillology” European Journal of Science and Theology EJST 2014, Vol. 10 No. 1, Pp. 55-66. ISSN: 1842-8517. **Thomson ISI Impact Factor 0.389.**
52. Shah, R. A. and Sohail Asghar (2014), “Privacy Preserving in Association Rules Using Genetic Algorithm”. Turkish Journal of Electrical Engineering & Computer Sciences, Volume 22, (2014), 434- 450. ISSN: 1300-0632 **Thomson ISI Impact Factor: 0.283.**
53. Naeem, M. and Asghar, S. (2014). “Structure Learning Via Non-Parametric Factorized Joint Likelihood Function. Journal of Intelligent and Fuzzy Systems. Vol. 27, No. 3, (2014), pp. 1589-1599 **Thomson ISI Impact Factor 0.788.**
54. Naeem, M. and Asghar, S. (2013). “Parameter Free and Non- Penalized Scoring Metric for Bayesian Belief Network”. CONTROL ENGINEERING AND APPLIED INFORMATICS, Vol. 15, No.4 pp. 117-126, ISSN: 1454-8658. **Thomson ISI Impact Factor 0.371.**
55. Naeem M. and Asghar S. (2013), A Novel Mutual Dependence Measure for Structure Learning, Journal of the National Science Foundation of Sri Lanka, Vol. 41, No. 3, Pp 203-208. April 2013, ISSN 1391-4588 **Thomson ISI Impact Factor 0.143.**
56. Naeem, M. and Asghar, S. (2013). “An Information Theoretic Scoring Function in Belief Network” The International Arab Journal of Information Technology (IAJIT), ISSN: 1683-3198 Vol 11 No 5, March 2013 **Thomson ISI Impact Factor: 0.366.**
57. Asghar S., Alahakoon D. and Churilov L. (2008), "Categorization of Disaster Decision Support Needs for the Development of an Integrated Model for DMDSS", International Journal of Information Technology and Decision Making (IJITDM). Vol 7, Issue 1, 115-145, March 2008. ISSN: 0219-6220, **Thomson ISI Impact Factor: 3.139.**
58. Asghar S., Alahakoon D. and Churilov L. (2009), “A Modular Subroutine Selection Process in Disaster Management Based on a Needs Classification Scheme “INTERNATIONAL JOURNAL OF INTERNET AND ENTERPRISE MANAGEMENT, Volume 5, Issue 3, PP 212-236, 2008. Inderscience Publishers. DOI: 10.1504/IJIEEM.2008.018309. ISSN (Online): 1741-5330 - ISSN (Print): 1476-1300. <http://scientific.thomson.com/cgi-bin/linksj/search.cgi> **Thomson ISI Impact Factor 1.312 (2009).**
59. Naeem, M. and Asghar, S. (2013). A Review of Feature Selection Techniques in Structure Learning” Journal of Engineering and Applied Sciences (JEAS), University of Engineering & Technology, Peshawar, Vol: 32 No. (1), July-December 2013. **(HEC Recognized Category X)**

60. Anwar, S. A., Hafeez, Y., Asghar, S., Hameed, B. & Hassan, S. (2014). "Towards a Framework for Scrum Handover Process" Proceedings of the Pakistan Academy of Sciences, Volume 51, Issue 4, 2013: page no 265-275 (2014) ISSN: 0377-2969 **(HEC Recognized Category X)**.
61. Batool, A., Hafeez, Y., Asghar, S., Abbas, M., A. & Hassan, S. (2013). "A Scrum Framework for Requirement Engineering Practices." Proceedings of the Pakistan Academy of Sciences, Volume 50, Issue 4, 2013: page no 263-270 (2013) ISSN: 0377-2969 **(HEC Recognized Category X)**.
62. Tariq Ali, Sohail Asghar, Naseer Ahmed Sajid and Munir Ahmad (2013). "Classification of Scientific Publications using Swarm Intelligence". Proceedings of the Pakistan Academy of Sciences, Volume 50, Issue 2, June 2013 page no 115-126, 2013 ISSN: 0377-2969 **(HEC Recognized Category X)**
63. Kanwal A., Fazal S., Asghar S., Naeem M., "MODY GENES: Subgroup Discovery from Text Documents", The Professional MED Journal 2013; Volume 20, Issue (5) pp 644-652: Sep-Oct ISSN: 1024-8919, EISSN: 20717733. **(HEC Recognized Category X)**
64. Mushtaq F, Asghar S, Sajid N A. (2013), "Web Usage Logging Framework for Data Mining". SINDH UNIVERSITY RESEARCH JOURNAL (SCIENCE SERIES). ISSN 1813-1743 Volume 45, No. A-1, PP 139-144 March 2013 **(HEC Recognized Category Y)**
65. Kanwal A, Fazal S, Asghar S, Naeem M (2013). "MODY GENES; Linkage Analysis and Subgroup Discovery from Text Documents. Professional MED Journal 2013; Volume 20 Issue (4) Jul-Aug: 623-633. ISSN: 1024-8919, EISSN: 2071-7733. **(HEC Recognized Category X)**
66. Hussain, T., Asghar, S. (2013). EVALUATION OF SIMILARITY MEASURES FOR CATEGORICAL DATA. The nucleus: The Scientific Journal of Pakistan Atomic Energy Commission. Volume 50, Issue 4, PP 387-394. December 2013. NCLEAM ISSN: 0029-5698 **(HEC Recognized Category Y)**
67. Hameed S., Shahzad, F., Asghar, S. (2013). "Sanitizing Sensitive Association Rules using Fuzzy Correlation Scheme". The Nucleus: The Scientific Journal of Pakistan Atomic Energy Commission. Volume 50, Issue 4, PP 359-367. December 2013. NCLEAM ISSN: 0029-5698 **(HEC Recognized Category Y)**
68. Khatoon A., Hafeez Y, Asghar, S. and Ali, T. (2014). AN ONTOLOGICAL FRAMEWORK FOR REQUIREMENT CHANGE MANAGEMENT IN DISTRIBUTED ENVIRONMENT. The Nucleus: The Scientific Journal of Pakistan Atomic Energy Commission. Volume 51, Issue 2, PP 291-301. April 2014. NCLEAM ISSN: 0029-5698 **(HEC Recognized Category Y)**
69. Hafeez Y, Batool, A, Asghar S., Jamal M. (2014) "Role of Software Requirements to improve the Quality of Scrum Framework" Science International-Lahore. Volume 26, Issue 1. PP 165-168 2014, ISSN# 1013-5316, **(HEC Recognized)**.
70. Asghar S., Alahakoon D. and Churilov L. 2005, "A Dynamic Integrated Model for Disaster Management Decision Support Systems". I. J. Of SIMULATION 6 (10 and 11, ISSN 1473-804x online, 1473-8031): 95- 114, 2005. **Published by United Kingdom Simulation Society (Paper Published prior 2005 HEC Recognized as per rules of HEC)**
71. Asghar S., Alahakoon D. and Hsu A. 2004, "Enhancing OLAP functionality using neural networks". Neural, Parallel & Scientific Computations - Special issue: Computing. Volume 12,

Issue 1, pp 1-20,

2004. Dynamic Publishers, Inc, Atlanta, USA, ISBN/ISSN: 1061-5369. **Indexed by: ACM. (Paper Published prior 2005 HEC Recognized as per rules of HEC)**

72. Sarwar, A. Hafeez, Y., Asghar, A. (2015). "Hybrid Agile Outsourcing Framework Using Situational Method Engineering" Journal of Applied Environmental and Biological Sciences (ISSN:2090-4274), Vol.5, Issue: 12, PP: 83-90, December 2015. **Thomson Reuters ISI indexed.**
73. Umair Abdullah, Kasif Zafar, Aftab Ahmed, Sohail Asghar (2014). "Record-Couple Based Production Rule Mining Algorithm: Tested in Medical Billing Domain " Journal of Applied Environmental and Biological Sciences (ISSN:2090-4274) 11/2014 4(8S):275-280. **Thomson Reuters ISI indexed.**
74. Khalid Hussain, Saleem Iqbal, Sohail Asghar and Abdul Hanan Abdullah (2013). An Efficient AI Based Approach for Multimedia Traffic Management in Wireless Network. RESEARCH JOURNAL OF APPLIED SCIENCES ENGINEERING AND TECHNOLOGY. 2013 (Vol. 6, Issue: 04). PP: 551-556 ISSN: 2040-7459. ISSN (Online): 2040-7467 MAXWELL SCI ORGAN. **Thomson Reuters ISI indexed.**
75. Kabeer, W., and Asghar, S. (2012). Multi-Table Index Based Incremental Update Scheme for Query Result Cache in a Data Warehouse. European Journal of Scientific Research. Science Citation Index – Expanded (SCI-E), Volume 93, Issue 2 (December 2012) ISSN: 1450-216X, **Thomson Reuters ISI indexed.**
76. Noreen S., and Sohail Asghar (2014). Application of Search Algorithms for Model Based Regression Testing. RESEARCH JOURNAL OF APPLIED SCIENCES ENGINEERING AND TECHNOLOGY. 2014 (Vol. 7, Issue: 14). PP: 2981-2986 ISSN: 2040-7459. ISSN (Online): 2040-7467 MAXWELL SCI ORGAN. **Thomson Reuters ISI indexed**
77. Malik Mehroze, Khalid Usmani, Faraz Ahsan, and Sohail Asghar" (2013) Fairness Based Dynamic Routing Technique (FsBDRT) in Wireless Mesh Network "RESEARCH JOURNAL OF INFORMATION TECHNOLOGY. Volume: 5, Issue: 4 2013 ISSN: 2041-3106. ISSN (Online): 2041-3114. **MAXWELL SCI ORGAN. Thomson Reuters ISI indexed.**
78. Subhan, S. and Sohail Asghar (2013) "Query Evaluation Architecture for Uniformed Distributed Xolap Cubes (Qeaudxc)". INTERNATIONAL JOURNAL OF ACADEMIC RESEARCH (IJAR). ISSN: 2075-4124 (print). DOI: 10.7813/2075-4124.2013. Vol 5. No. 2, pp 194-204. March 2013. **Thomson Reuters ISI indexed.**
79. Hussain, T., Asghar, S. (2013). WEB MINING: APPROACHES, APPLICATIONS AND BUSINESS INTELLIGENCE. INTERNATIONAL JOURNAL OF ACADEMIC RESEARCH (IJAR). ISSN: 2075-4124 (print). DOI: 10.7813/2075-4124.2013. Vol 5. No. 2, pp 211-217. March 2013. **Thomson Reuters ISI indexed.**
80. Obaid, S., Asghar, S., Naeem, N. (2013): Data Flow Analysis of UML Models by ALF, International Journal of Trade, Economics and Finance. Volume 5, Number 1, February 2014. PP 12. ISSN 2010-023X
81. Muhammad Naeem, Saira Gillani and Sohail Asghar, (2013)" Application of Subset Theory towards Solution of Functional Diversity Paradox", International Journal of Hybrid Information Technology, vol.6, no. 2, March (2013), pp. 107-116.

82. Haider, A. and Asghar S. (2013). A Survey of Logic Based Classifiers. International Journal of Future Computer and Communication (IJFCC). Vol. 2. Issue 2. 2013. **ISSN:** 2010-3751. **DOI:** 10.7763/IJFCC **Abstracting/ Indexing:** Google Scholar, Engineering & Technology Digital Library, and Crossref, DOAJ, Electronic Journals Library, EI (INSPEC, IET).
83. Muhammad Naeem, Sheneela Naz and Sohail Asghar, (2013)" QoS Guarantee for VOIP over Wireless LANs", International Journal of Hybrid Information Technology, vol. 6, no. 3, (2013), pp. 25-32.
84. Khan, A., Asghar, S. and Fong, S. (2011), Framework of Integrated Semantic Web Services and Ontology Development for Telecommunication Industry. JOURNAL OF EMERGING TECHNOLOGIES IN WEB INTELLIGENCE, VOL. 3, NO. 2, ACADEMY PUBLISHER, ISSN 1798-0461. MAY 2011. Indexed by: DOAJ; ProQuest; **SCOPUS**; Socolar; **ULRICH's Periodicals Directory**, INSPEC
85. Usman, M., Asghar, S. (2011), Architecture for Integrated Online Analytical Mining. Journal of Emerging Technologies in Web Intelligence (JETWI, ISSN 1798-0461), Vol. 3, Issue 2 of May 2011 Academy Publisher, Finland. (Special issue on "Business Intelligence for Emerging e-Business Applications"). Indexed by: DOAJ; ProQuest; **SCOPUS**; Socolar; **ULRICH's Periodicals Directory**, INSPEC
86. Khan, A., Asghar, S. and Fong, S. (2011), Evaluation of Semantic Web Services: Before and After Applying in Telecommunication. JOURNAL OF EMERGING TECHNOLOGIES IN WEB INTELLIGENCE, VOL.3, NO. 2, ACADEMY PUBLISHER, ISSN 1798-0461. MAY 2011. Indexed by: DOAJ; ProQuest; **SCOPUS**; Socolar; **ULRICH's Periodicals Directory**, INSPEC.
87. Khalid Iqbal, Sohail Asghar, Abdulrehman Mirza 2011, Hiding Sensitive XML Association Rules with Supervised Learning Technique, Intelligent Information Management, Vol. 3, Issue 6, PP.219-229. ISSNPrint: 2160-5912. ISSN Online: 2160-5920. DOI: 10.4236/iim. 2011.36027. Impact Factor (IF) 0.83. Indexed by: **ISI Web of Knowledge**
88. HUSSAIN, T., QADIR, M. A. & ASGHAR, S. 2012. Falsification of Web Objects: A Semantic Web Mining Approach. IJCSI International Journal of Computer Science Issues, 2012, Vol. 9, 2, 61-67. ISSN: 16940784. Impact Factor (IF) 0.242 Indexed by: **SCOPUS**, DOAJ, Elsevier's Compendex - Engineering Village (EI), EBSCO and ProQuest, DBLP.
89. Muhammad Naeem, Saira Gillani, Muhammad Abdul Qadir, Sohail Asghar, "gSemSim: Semantic Similarity Measure for Intra Gene Ontology Terms", International Journal of Information Technology and Computer Science (IJITCS) ISSN: 2074-9007 (Print), ISSN: 2074-9015 (Online) <http://www.mecs-press.org/ijitcs/index.html> (Paper accepted and In Print). Indexed by: **ULRICH's Periodicals Directory**.
90. Naeem M, Asghar S, (2012) Knowledge Discovery in Endangered Species Diversification, International Journal of Information Technology and Computer Science (IJITCS) ISSN: 2074-9007 (Print), ISSN: 2074-9015 (Online) DOI: 10.5815/ijitcs, indexed with: Google Scholar; CrossRef; DOAJ; IndexCopernicus; INSPEC; EBSCO; JournalSeek; **ULRICH's Periodicals Directory**; WordCat; Scirus; Academic Journals Database; Stanford University Libraries; UniSA Library (Paper accepted and In Print for Jan. 2013))
91. Muhammad Naeem, Sohail Asghar., KDSSF: A Graph Modeling Approach. International Journal of Computer Applications, 33(4):31-37, November 2011. Published by Foundation of Computer

Science, New York, USA. ISSN: 0975 – 8887, ISBN: 978-93-80865-30-5. Impact Factor (IF) 0.814. Indexed by: DOAJ, Google Scholar, Informatics, ProQuest CSA Technology Research Database, NASA ADS (Harvard Univ.), LOCKSS, DBLP, CiteSeer, **ULRICH's Periodicals Directory**, Scientific Commons (Univ. of St Gallens), University of Karlsruhe, Germany, PennState University, University of Washington, Georgetown University.

92. Usman, M., Asghar, S. and Fong, S. (2010), Integrated Performance and Visualization Enhancements of OLAP Using Growing Self Organizing Neural Networks, Journal of Advances in Information Technology (JAIT), Vol 1, Issue 1, February 2010. ISSN 1798-2340. ACADEMY PUBLISHER. Indexed by: Cabell – Computer Science/Business Information Systems; CNKI; CrossRef; Directory of Open Access Journals (DOAJ) – Computer Science; DOI; Genamics JournalSeek; GetCITED; Google Scholar; INSPEC; JournalTOCs; NewJour; Open J-Gate – Engineering & Technology (JET); PKP Open Archives Harvester; ProQuest; Socolar; **ULRICH's**

Periodicals Directory

93. Naeem M., Asghar S., A Novel Feature Selection Technique for Feature Order Sensitive Classifiers, An.Ser. Inform. Ann. Comput. Sci. Ser., vol. 11, no. 1, pp. 31-38, Dec. 2013
94. Asghar S., Umar, M. (2010), Requirement Engineering Challenges in Development of Software Applications
95. and Selection of Customer-off-the-Shelf (COTS) Components, International Journal of Software Engineering
96. (IJSE). Vol 1, Issue: 2, July 2010. Pp 32-50. ISSN: 2180-1320 Publisher: CSC Journals, Kuala Lumpur,
97. Malaysia. Indexed by: DOAJ; Open J-Gate; Scribd, Google Scholar; Docstoc; refSeek.
98. Asghar S., Alahakoon D., and Churilov L. 2008, "MILD DSS – Conceptual Architecture, Validation and Representation", Journal of Information System Security. Information Institute Publishing, Washington DC, USA. ISSN 1551-0123, Vol 4, Issue 2, 2008. Pages 26 – 55. Indexed by: ABI/INFORM by ProQuest; EBSCO.
99. Asghar S., Alahakoon D. and Churilov L. 2006, "A Comprehensive Conceptual Model for Disaster Management", Journal of Humanitarian Assistance, Published at the Department of Peace Studies, University of Bradford, UK, and the Feinstein International Center. ISSN: 1360 - 0222, 1-15, July 2006. <http://www.jha.ac/>.

Book Chapters

100. Tayyeba Naseer and Sohail Asghar (2015). An Empirical Comparison of C4.5 and Fuzzy C4.5 with Pruning Methods. *Improving Knowledge Discovery through the Integration of Data Mining Techniques.*, (pp. 1-361). Hershey, PA: IGI Global. doi:10.4018/978-1-4666-8513-0
101. Mohsin Iqbal, Saif Ur Rehman, Saira Gillani and Sohail Asghar (2015). An Empirical Evaluation of Feature Selection Methods. *Improving Knowledge Discovery through the Integration of Data Mining Techniques.*, (pp. 1-361). Hershey, PA: IGI Global. doi:10.4018/978-1-4666-8513-0.
102. Umair Abdullah, Aftab Ahmed, Sohail Asghar and Kashif Zafar (2015). Data Mining Driven Rule Based Expert System for Medical Billing Compliance: A Case Study. *Improving Knowledge Discovery through the Integration of Data Mining Techniques.*, (pp. 1-361). Hershey, PA: IGI Global. doi:10.4018/978-1-4666-8513-0.
103. Tasawar Hussain and Sohail Asghar (2015). A Web Backtracking Technique for Fraud Detection in Financial Applications. *Improving Knowledge Discovery through the Integration of Data Mining Techniques.*, (pp. 1-361). Hershey, PA: IGI Global. doi:10.4018/978-1-4666-8513-0.
104. Noureen Zafar, Saif Ur Rehman, Saira Gillani and Sohail Asghar (2015). Segmentation of Crops and Weeds using Supervised Learning Technique. *Improving Knowledge Discovery through the Integration of Data Mining Techniques.*, (pp. 1-361). Hershey, PA: IGI Global. doi:10.4018/978-1-4666-8513-0.
105. Muhammad Rizwan Aqeel, Saif Ur Rehman, Saira Gillani and Sohail Asghar (2015). A Supervised Learning Model for Perception of AGV in Unstructured Environment. *Improving Knowledge Discovery through the Integration of Data Mining Techniques.*, (pp. 1-361). Hershey, PA: IGI Global. doi:10.4018/978-1-4666-8513-0
106. Naqvi, M., Hussain, K., Asghar, S. and Fong, S. (2011). Mining Temporal Association Rules with Incremental Standing for Segment Progressive Filter. *Communications in Computer and Information Science*, 2011, Volume 136, Part 7, 373-382, Book Title: *Networked Digital Technologies* Editor: Fong, Simon, 1st Edition, DOI: 10.1007/978-3-642-22185-9_32 Print ISBN : 978-3-642-22184-2 Series ISSN: 1865-0929 Publisher: **Springer Berlin Heidelberg**
107. Naz, S., Asghar, S., Fong, S. and Qayyum, A. (2011). Multi-Way Association Clustering Analysis on Adaptive Real-Time Multicast Data. *Communications in Computer and Information Science*, 2011, Volume 136, Part 7, 383-394, Book Title: *Networked Digital Technologies* Editor: Fong, Simon, 1st Edition DOI: 10.1007/978-3-642-22185-9_33. Print ISBN: 978-3-642-22184-2 Series ISSN: 1865-0929 Publisher: **Springer Berlin Heidelberg**

Refereed International Conference Papers:

108. Raja BS, Asghar S. MediHealth: A multi-objective evolutionary algorithm using fuzzy genetics empowered e-Health solution. *International Conference on Future e-Health 2019 Nov 01*. Springer.
109. Rehman, Saif Ur and Asghar, Sohail and Fong, Simon (2018), An Efficient Ranking Scheme for Frequent Subgraph Patterns, *Proceedings of the 2018 10th International Conference on Machine Learning and Computing, ICMLC 2018*, ISBN 978-1-4503-6353-2, Macau, China, pages 257--262, <http://doi.acm.org/10.1145/3195106.3195166>, doi 10.1145/3195106.3195166}
110. Hussain, I., Asghar, S. (2017) " LUCID: Author Name Disambiguation using Graph Structural Clustering" In the *Proceedings of the 2017 Intelligent Systems Conference 2017*, London UK,
111. M. Amaad Ul Haq Tahir, Sohail Asghar, Ayesha Zafar, and Saira Gillani (2016). A Hybrid Model to Detect Phishing-Sites Using Supervised Learning Algorithms. In the *Proceedings of the 2016 International Conference on Computational Science & Computational Intelligence. CSCI 2016 Las Vegas, Nevada, USA | 15-17 December 2016*. Edited by: Hamid R. Arabnia, Leonidas Deligiannidis, and Mary Yang.

- 112.** Ayaz Mahmood and Sohail Asghar (2015). "Multidimensional Analysis Using Knowledge Layer For Effective Decision Making" Proceeding of The 2015 International Conference on Information and Knowledge Engineering (IKE'15), The World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP), July 27-30, 2015, Monte Carlo Resort, Las Vegas, USA. Pp 66-74
- 113.** Hassan, Z., Asghar, S., Zhuang, Y. Fong, S. (2015). "A Data Modification Technique in PPDM Based on Ant Colony Optimization Approach". Proceeding of Sixth International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2015), February 10-12, Hong Kong, Proceedings published by IOS Press Netherlands and indexed by ISI Thompson Science Citation Index.
- 114.** Naseer, T., Asghar, S., Zhuang, Y. Fong, S. (2015). "A Comparative Analysis of Pruning Methods for C4.5 and Fuzzy C4.5" Proceeding of Sixth International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2015), February 10-12, Hong Kong, Proceedings published by IOS Press Netherlands and indexed by ISI Thompson Science Citation Index.
- 115.** Abid, S., Asghar, S., Zhuang, Y. Fong, S. (2015). "Hidden Markov Model Based Character Segmentation Factor Applied to Urdu Script" Proceeding of Sixth International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2015), February 10-12, Hong Kong, Proceedings published by IOS Press Netherlands and indexed by ISI Thompson Science Citation Index.
- 116.** S. Anwar, Y.H. Motla, Y. Sadiq, S., Asghar, M., S., Hassan and Z., I., Khan "User-Centered Design Practices in Scrum Development Process: A Distinctive Advantage?" Proceeding of IEEE 17th International Multi Topic Conference (INMIC 2014), December 8th-10th 2014, Bahria University, Karachi, Pakistan, ISBN: 978-1-4799-5754-5/14.
- 117.** M., Khudad, Y., H., Motla, S., Asghar, S., A., Anwer and Z., I., Khan "A Scrum Based Framework for E-Agriculture System" Proceeding of IEEE 17th International Multi Topic Conference (INMIC 2014), December 8th-10th, 2014, Bahria University, Karachi, Pakistan, ISBN: 978-1-4799-5754-5/14
- 118.** Iqbal K., Yin X, Hao, H., Asghar S., and Ali H. "Bayesian Network Scores Based Text Localization in Scene Images. "Proceeding of International Conference on Neural Networks (IJCNN), The 2014 International Joint Conference, 6-11 July 2014, IEEE, Beijing, China.
- 119.** Abdullah U., Ahmed, A., Asghar S., Zafar K. "Record-Couple Based Production Rule Mining Algorithm". Proceeding of 2nd International Conference on Computational and Social Sciences (ICCSS-14) Rize, Turkey, August 26 - 28, 2014 Volume - 2.
- 120.** Sultana S., Motla Y., S. Asghar, Jamal M. and Azad R. "A Hybrid Model by Integrating Agile Practices for Pakistani Software Industry" 24th International Conference on Electronics, Communications and Computers CONIELECOMP- 26-28 Feb. 2014. IEEE PP: 256 - 262 ISBN:978-1-4799-3469 0/14, 2014 Cholula, Puebla, MEXICO, USA.
- 121.** Naz, H., Hafeez, Y., Asghar, S., Ahmed M., Hassan M., Mukhtar M., Javed, A. "A Systematic Approach for Web Engineering Practices by Integrating Data Mining Technique with Requirement Change Management". IEEE 4th International Conference on Software Engineering and Service Science (ICSESS2013) May 23-25, 2013, Beijing, China. ISBN: 978-1-4673-5000-6/13/2013 IEEE, PP: 373-376.
- 122.** Naz, H., Hafeez, Y., Asghar, S., Abbas, M.A. & Katoon, A. "Effective Usage of AI Technique for Requirement Change Management Practices. "The 5th International Conference on Computer Science and Information Technology (CSIT2013) March 27-28, 2013, Amman, Jordan. ISBN -1-4673-5824-8. PP: 121-125.
- 123.** Batool, A., Hafeez, Y., Hamid, B., Asghar, S., Riaz, M., Mukhtar, M. and Ahmed, M. "Comparative Study of Traditional Requirement Engineering and Agile Requirement Engineering" The 15th International Conference on Advanced Communications Technology (ICTACT 2013) Jan 27 - 30, 2013, Phoenix Park, Pyeong Chang, Korea. Page Number: 1006~1014, ISBN: 978-89-968650-0-1, PP: 1006-1014.
- 124.** Hafeez, Y., Riaz, M., Asghar, S., Naz, H., Gilani, S.M.M., Batool, A., Ahmed, M and Hassan, M.S. "A Requirement Change Management Framework for Distributed Software Environment" 7th International Conference on Computing and Convergence Technology, (ICCT), 2012 on 3-5 Dec. 2012, at Seoul, Korea (South). PP: 944-948, ISBN: 978-1-4673-0894-6.
- 125.** Shahzad, F. Asghar, S. (2011). Hiding Sequential Patterns using the FP Growth Technique. Proceedings of the 2011 International Conference on Computer Networks and Information

Technology (ICCNIT), 11-13 July 2011, Abbottabad, Pakistan. On page(s): 125 – 129, ISSN: 2223-6317. Digital Object Identifier: 10.1109/ICCNIT.2011.6020918

126. Naeem, M., Asghar, S. (2010). A Novel Architecture for Hiding Sensitive Association Rules. Proceedings of the 2010 International Conference on Data Mining (DMIN 2010). Las Vegas, Nevada, USA. July 12- 15, 2010. CSREA Press, 2010. ISBN: 1-60132-138-4, Robert Stahlbock and Sven Crone (Eds.)
127. Shaukat Ali Khan, Sohail Asghar, Simon Fong (2010). Modeling TSP with Particle Swarm Optimization and Genetic Algorithm, 6th International Conference on Advanced Information Management and Service (IMS), 30 November- 2 December 2010, Seoul, Korea, pp. 455-459. ISBN: 978-1-4244-8599-4.
128. Ahmad, M., Asghar, S., Qadir, M.A., Ali, T. (2010). Graph Based Query Trimming Algorithm for Relational Data Semantic Cache. In Proceedings of MEDES '10: International ACM Conference on Management of Emergent Digital EcoSystems, Bangkok, Thailand, October 26-29, 2010.
129. Tasawar Hussain, Sohail Asghar, Simon Fong (2010). A Hierarchical Cluster Based Preprocessing Methodology for Web Usage Mining, 6th International Conference on Advanced Information Management and Service (IMS), 30 November - 2 December 2010, Seoul, Korea, pp.472-277. ISBN: 978-1-4244-8599-4.
130. Khalid Iqbal, Sohail Asghar, Simon Fong (2010). Hiding Sensitive XML Association Rules via Bayesian Network, 6th International Conference on Advanced Information Management and Service (IMS), 30 November - 2 December 2010, Seoul, Korea, pp. 478-484. ISBN: 978-1-4244-8599-4.
131. Muhammad Naeem, Sohail Asghar, Shahzad Rafiq Irfan, Simon Fong (2010). Multilevel Classification Scheme for AGV Perception, 6th International Conference on Advanced Information Management and Service (IMS), 30 November - 2 December 2010, Seoul, Korea, pp. 485-489. ISBN: 978-1-4244-8599-4.
132. Muhammad Naeem, Sohail Asghar, Simon Fong (2010). Hiding Sensitive Association Rules Using Central Tendency, 6th International Conference on Advanced Information Management and Service (IMS), 30 November - 2 December 2010, Seoul, Korea, pp. 478-484. ISBN: 978-1-4244-8599-4.
133. Hussain T., Asghar, S., Masood, N. (2010). Hierarchical sessionization at the preprocessing level of WUM based on swarm intelligence Proceedings of the 2010 6th International Conference on Emerging Technologies (ICET), Islamabad, Pakistan. 18-19 Oct. 2010. ISBN: 978-1-4244-8057-9. Digital Object Identifier: 10.1109/ICET.2010.5638388
134. Ali, T., Asghar, S., Sajid, NA. (2010). Critical Analysis of DBSCAN Variations. Proceedings of the 2010 International Conference on Information and Emerging Technologies National University of Computer and Emerging Sciences - FAST (NU-FAST). Karachi, Pakistan, June 14 – 16, 2010. ISBN 978-1-4244-8002-9. IEEE Catalog Number CFP1048C-DVD. Ed. Dr. Zubair Shaikh
135. Elahi, E., Hassan, N., Asghar, S., Qayyum, A. (2010). "Performance Modeling of Bandwidth Aggregation for TCP Connections," hpcc, pp. 689-694, 2010 IEEE 12th International Conference on High Performance Computing and Communications, Melbourne, Australia. September 01-September 03. ISBN: 978-0-7695-4214-02010
136. Tahir, GR., Asghar, S., Masood, N. (2010). Knowledge Based Machine Translation Semantically Enriched English-to-Urdu Machine Translation Using Data Mining Techniques, Proceedings of the 2010 International Conference on Information and Emerging Technologies National University of Computer and Emerging Sciences - FAST (NU-FAST). Karachi, Pakistan, June 14 – 16, 2010. ISBN 978-1-4244-8002-9. IEEE Catalog Number CFP1048C-DVD. Ed. Dr. Zubair Shaikh
137. Hussain T., Asghar, S., Masood, N. (2010). Web Usage Mining: A Survey on Preprocessing of Web Log File. Proceedings of the 2010 International Conference on Information and Emerging Technologies National University of Computer and Emerging Sciences - FAST (NU-FAST). Karachi, Pakistan, June 14-16, 2010. ISBN 978-1-4244-8002-9. IEEE Catalog Number CFP1048C-DVD. Ed. Dr. Zubair Shaikh
138. Sajid, NA., Asghar, S., Zafar, S. (2010). Sequential Pattern Finding: A Survey. Proceedings of the 2010 International Conference on Information and Emerging Technologies National University of Computer and Emerging Sciences - FAST (NU-FAST). Karachi, Pakistan, June 14 – 16, 2010. ISBN 978-1-4244-8002-9. IEEE Catalog Number CFP1048C-DVD. Ed. Dr. Zubair Shaikh

139. Rehman, N, Bibi, S., Asghar, S., Fong, S. (2010). Comparative study of Goal-Oriented Requirements Engineering. Proceedings of the 4th International Conference on New Trends in Information Science and Service Science (NISS), 11-13 May 2010, Gyeongju, Korea (South), page(s): 248 – 253, ISBN: 978-1-4244-6982-6.
140. Asghar, S. Asif, M., Muhammad, S., Habiba, U., Fong, S. (2010). Analytical framework for studying the effects of user participation in DSS development. Proceedings of the 4th International Conference on New Trends in Information Science and Service Science (NISS), 11-13 May 2010, Gyeongju, Korea (South), page (s): 254 - 259, ISBN: 978-1-4244-6982-6.
141. Ghauri, F., Yasir, M., Rehman, S., Asghar, S. (2010). Multi agent-based decision support system for prioritized emergency fire evacuation. Proceedings of the 4th International Conference on New Trends in Information Science and Service Science (NISS), 11-13 May 2010, Gyeongju, Korea (South), page (s): 457 - 463, ISBN: 978-1-4244-6982-6.
142. Asghar, S., Iqbal, K. (2009). Automated Data Mining Techniques: A Critical Literature Review. Proceedings of the International Conference on Information Management and Engineering (ICIME 2009), 3 - 5, April 2009, Kuala Lumpur, Malaysia. ISBN: 978-0-7695-3595-1
143. Usman, M., Asghar, S. and Fong, S. (2009), Data Mining and Automatic OLAP Schema Generation. Proceedings of the International Conference on Computer Sciences and Convergence Information Technology (ICCIT2009) to be held on 24-26 November 2009 in Seoul, Korea.
144. Asghar, S., Fong, S. and Hussain, T. (2009), Business Intelligence Modeling: A Case Study of Disaster Management Organization in Pakistan. Proceedings of the Fourth International Conference on Computer Sciences and Convergence Information Technology (ICCIT2009). 24-26 November 2009 in Seoul, Korea. Seoul, Korea. ISBN: 978-0-7695-3896-9
145. Habiba, U., and Asghar, S. (2009), A Survey on Multi-Criteria Decision-Making Approach, Proceedings of the 5th IEEE International Conference on Emerging Technologies 2009 (ICET 2009), to be held in Islamabad, Pakistan, on October 19-20, 2009.
146. Usman, M., Asghar, S. and Fong, S. (2009), A Conceptual model for combining enhanced OLAP with data mining systems, Proceedings of the 5th International Conference on Networked Computing NCM 2009, August 25-27, 2009, Seoul – Korea. ISBN: 978-0-7695-3769-6.
147. Asghar, S., Ruksana, Subhan, S., and Fong, S, (2009) Assimilation of Heterogeneous Resources by Utilizing Unified Format of XML for Constructing OLAP Cubes, Proceedings of the Fourth International Conference on Computer Sciences and Convergence Information Technology (ICCIT2009). 24-26 November 2009 in Seoul, Korea. Seoul, Korea. ISBN: 978-0-7695-3896-9
148. Iqbal, K., Asghar, S. (2009). Generating Hierarchical Association Rules with the Use of Bayesian Network, Proceedings of the Third International Conference on Network and System Security on 19-21 October 2009 Gold Coast, Australia. ISBN: 978-0-7695-3838-9. Pp. 528-533,
149. Asghar, S., Fong, S. and Ruksana. (2009), A Contemplation of Group Decision Support System, Proceedings of the Fourth International Conference on Computer Sciences and Convergence Information Technology (ICCIT2009). 24-26 November 2009 in Seoul, Korea. Seoul, Korea. ISBN: 978-0-7695-3896-9. Pp. 647-652
150. Siddique, M. and Asghar, S., Active and Real-time Data Warehousing: Issues and Practices. Proceedings of the 2009 International Conference on Information & Knowledge Engineering, IKE 2009, July 13-16, 2009, Las Vegas Nevada, USA. Editors: Hamid, R. Arabia, Ray, R. Hashemi, Frederick I. Moxley. ISBN: 1-60132-114-7, DBLP, <http://dblp.uni-trier.de>.
151. Asghar, S., Sharif, R. (2009). XML-OLAP: An Evaluation of Significant Relationship. Proceedings of the 2009 International Conference on Enterprise Information Systems and Web Technologies (EISWT-09), July 13-16, 2009, in Orlando, FL, USA. ISBN: 978-1-60651-010-0 Editors: Bobby Granville, Zoran Majkic and Chunping Li
152. Asghar, S., Osama, F. (2009). A Literature Review on Efficient Online Analytical Processing System. Proceedings of the 15th conference on Information and Software Technologies IT 2009. April 23rd - 24th 2009, Kaunas, Lithuania. Edited by Aleksandras Targamadze, Rimanta Butleris & Rita Butkiene. ISBN 2029-0063 & 2029-0055
153. Asghar, S., Hussain, T. (2009). Business Intelligence Dimensions: Issues and Practices. Proceedings

- of the 2009 International Conference on Enterprise Information Systems and Web Technologies (EISWT-09), July 13-16, 2009, in Orlando, FL, USA. ISBN: 978-1-60651-010-0 Editors: Bobby Granville, Zoran Majkic and Chunping Li
154. Azeem, S, Asghar, S. (2009). Evaluation of Structured and Unstructured Document Classification Techniques. Proceedings of the 2009 International Conference on Data Mining (DMIN'09) July 13-16, 2009, Las Vegas, Nevada, USA. ISBN: 1-60132-099-X, DBLP, <http://dblp.uni-trier.de>. Pages = {448-457}
 155. Asghar, S., Azeem, U. (2009). Evaluation of Techniques for Automation of Schema Generation. Proceedings of the 2009 International Conference on Enterprise Information Systems and Web Technologies (EISWT-09), July 13-16, 2009, in Orlando, FL, USA. ISBN: 978-1-60651-010-0 Editors: Bobby Granville, Zoran Majkic, Chunping Li
 156. Shahzad, A., Hussain, M., Asghar, S., (2009). Optimal Implementation of Network Admission Control. Proceedings of the Annual Security Conference. "Security, Assurance and Privacy: organizational challenges". April 15-17. DC: Information Institute Publishing. ISBN: 978-1-935160-04-4 in Las Vegas, Nevada, USA.
 157. Asghar, S., Mateen, A. (2008). Models for Automated Risk Mitigating Procedures and Tools Development. Proceedings of the International Conference on Enterprise Information Systems and Web Technologies (EISWT-08), Orlando, FL. USA, 7-10, July 2008. ISBN: 978-1-60651-003-2.
 158. Asghar, S., Mateen, A. (2008). Automated Mitigation of IT Risks in an Enterprise Resource Planning Environment. Proceedings of the IADIS International Conference Information Systems 2008, ALGARVE, PORTUGAL, APRIL 9-11, 2008. ISBN: 978-972-8924-57-7
 159. Asghar, S., Usman, M. (2008). Enhancing OLAP Performance and Visualization. Proceedings of the CISTM 2008, July 31 - August 2, 2008, at IIT Delhi, India. Editor: Gurpreet Dhillon, Publisher: Information Institute Publishing, Washington DC, ISBN: 978-1-935160-02-1
 160. Ahmed, Z., Asghar, S. (2008). A framework for mapping an ERP to a software product line. Proceedings of the International Conference on Enterprise Information Systems and Web Technologies (EISWT-08), Orlando, FL. USA, 7-10, July 2008. ISBN: 978-1-60651-003-2
 161. Aslam, M., Asghar, S. (2008). Inadequate Stakeholders Involvement in Software Requirements Specification and their impact on IS Projects Success. Proceedings of the International Conference on Enterprise Information Systems and Web Technologies (EISWT-08), Orlando, FL. USA, 7-10, July 2008. ISBN: 978-1-60651-003-2
 162. Asghar, S. (2007). A Modularization Approach for Disaster Management Decision Support Models Using Agents Technology. Proceedings of the Australia and New Zealand Systems Conference 2007 (ANZSYS'07), Auckland, New Zealand, 2-5 Dec. 2007. ISSN: 978-0-9791688-9-5
 163. Asghar, S. (2007). Decision Support in Disaster Management Based on Cyber-Infrastructure. Proceedings of the 12th Asian Pacific DSI Conference, Bangkok, Thailand, 11-15, July 2007. ISSN: 1539-1191.
 164. Asghar, S. (2007). Cyber-Infrastructure: A Possible Solution to Disaster Management Problem and Issues. Proceedings of International Conference on Operations and Supply Chain Management (ICOSCM), China, June 26-30, 2007, ISBN: 1993-9078.
 165. Asghar S., Ahmed A., 2007, "Agent Based Security Framework to Protect Integrated Model for Decision Making in Disaster Management". Proceedings of the 6th Annual Security Conference, April 11-12, 2007. Las Vegas, NV, ISBN Information Institute: 0-9772107-5-8. In Assuring Business Processes, Ed. Gurpreet Dhillon. Washington DC: Global Publishing, USA
 166. Asghar S., Alahakoon D. and Churilov L. 2006, "A Modular Subroutine Selection Process Based on Needs Classification Scheme". Proceedings of the 11th Annual Conference of Asia-Pacific Decision Science Institute (APDSI 2006), ISBN: 1539-1191, June 14-18, 2006, Hong Kong.
 167. Asghar S., Alahakoon D. and Churilov L. 2006, "A Multi-Layered Architecture for Decision Support in Disaster Management". Proceedings of the 4th International Conference on Information Science, Technology and Management (CISTM 2006), ISBN: 0-9772107-4-X. The Information Institute, Washington DC, USA. July 16-18, 2006, Chandigarh, India.
 168. Asghar, S., D. Alahakoon, and L. Churilov 2005. Environmental Influences on Disaster Management. Proceedings of the 10th Annual Meeting of the Asia-Pacific Decision Sciences Institute. Taiwan, June 28 - July 2, 2005. ISBN 15391191.

169. Asghar S., Alahakoon D. and Churilov L. 2005, "A Layered Framework for the Development of Decision Support System Model for Disaster Management". Proceedings of the Conference on Information Science, Technology and Management, CISTM2005, ISBN: 0-9729562-8-X, New Delhi, India, July 2005. The Information Institute, Washington DC, USA.
170. Asghar, S., D. Alahakoon, and L. Churilov 2005. A Modular Approach to Decision Support Systems for Disaster Management within the Framework of Cyber-infrastructure. Proceedings of the 8th International Conference of the Association of Information Systems (ISDSS). 2005. Brazil, 12-15, July 2005. Available: http://www.ufrgs.br/dss2005/frameset_welcome.htm.
171. Asghar S. and Alahakoon D. 2004, "Cluster-Based OLAP for Pattern Directed Data Analysis". Proceedings of the International Conference on Computational Intelligence for Modelling, Control & Automation - CIMCA'2004, ISBN: 1740881885 PP 1071- 1081, July 2004, Gold Coast Australia.
172. Asghar S., Alahakoon D. and Churilov L. 2004, "A Hybrid Decision Support System Model for Disaster Management". Proceedings of the Fourth International Conference on Hybrid Intelligent Systems, Kitakyushu, Japan, December 2004. IEEE Computer Society.
173. Asghar S. and Alahakoon D. 2003, "A Hybrid Neural Network Based DBMS for Enhanced Functionality". Proceedings of Third International Conference on Hybrid Intelligent Systems, Melbourne, Australia, December 14-17, 2003. IOS Press, Amsterdam, the Netherlands, the Netherlands.
174. Asghar S., Alahakoon D. and Taniar D. 2003, "Enhancing OLAP Functionality using Association Rules". Proceedings of the 2nd International Conference on Computational Intelligence, Robotics and Autonomous Systems (CIRAS'2003), Singapore, ISSN: 0219-6131, December 2003.

PROFESSIONAL SERVICES

- ❑ General Chair Frontiers of Information Technology Conference, 2023
- ❑ Track Chair (Advanced Analytics), Frontiers of Information Technology Conference, 2015 -2021
- ❑ PhD Symposium Chair, FIT 2015 held in Islamabad, Pakistan, in Dec. 14-16, 2015
- ❑ Member, National Curriculum Revision Committee – Information Technology of HEC - Pakistan
- ❑ Editorial member of Decision Sciences Journal, 2006
- ❑ Member, Editorial Review Board of Scientific Journals International (SJI), 2007
- ❑ Program Committee Member of International Conference on Information and Automation, December2006, Colombo, Sri Lanka
- ❑ Review Committee Member of CIMCA06 & IAWTIC06
- ❑ Review Committee Member of Australia, New Zealand Systems Conference, 2007
- ❑ Review Committee Member of International Conference on Information and Automation, 15-18 December2005 – BMICH, Colombo, Sri Lanka
- ❑ Review Committee Member of INMIC 2009, Islamabad, Pakistan.
- ❑ Review Committee Member of the International Conference on New Trends in Information Science and Service Science, May 2010, Korea.
- ❑ Member Selection Board, PMAS-Arid Agriculture University, Rawalpindi and BZ Multan University.
- ❑ Conference Chair of the 2nd International Conference on Data Mining and Intelligent Information Technology Applications. Nov 28 – Dec. 02, 2010, South Korea.
- ❑ Editor, International Journal of Information Processing and Management (IJIPM)
- ❑ General Chair, Third International Conference on the Networked Digital Technologies (NDT 2011) July 11-13, 2011, University of Macau, China, (<http://www.dirf.org/ndt>)
- ❑ Review Committee Member of the IEEE International Conference on Emerging Technologies 2011 (ICET2011) held in Islamabad, Pakistan, on September 5-6, 2011.
- ❑ Review Committee Member of the 5th International Conference on Software, Knowledge, Information, Industrial Management and Applications (SKIMA 2011) held in Italy, 8 – 11 Sep. 2011
- ❑ Review Committee Member of the IEEE INMIC 2012 held in Islamabad, Pakistan, in Dec. 11-12, 2012
- ❑ Review Committee Member & Organizer of the FIT 2014, 2015 & 2016 held in Islamabad, Pakistan
- ❑ Member BOS, BOF, BASAR & Academic Council, COMSATS, Islamabad.
- ❑ Convenor Selection Board COMSATS University
- ❑ Member, Incubator Advisory Board and ORIC Focal Person of CUI
- ❑ **Member (Computer Science Expert)** of the Higher Education Commission Committee for awarding Travelgrants to academicians from all Pakistan Universities (From 2011-2014).
- ❑ **Associate Editor of International Journal: Reviews of Computer Engineering Studies**

PROFESSIONAL MEMBERSHIPS

(I) Senior Member IEEE (II) Member Australian Computer Society (ACS) (III) HEC Approved Supervisor

REFERENCES

1. **Prof. Dr. Yasir Hafeez**
Director, AUUR,
Rawalpindi
Email: yasir@uaar.edu.pk
2. **Prof. Dr. Majid Iqbal**
Professor/Head
Computer Science
COMSATS University, Islamabad
Email: majid_iqbal@comsats.edu.pk
3. **Prof. Dr. Simon Fong**
Professor Computer Science
Macu University, Macu
Email: ccfong@umac.mo