Dr. Muhammad Qaiser Saleem

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Personal Particulars

- ✓ *Date of Birth:* 24 August 1973
- ✓ Marital Status: Married
- ✓ Nationality: Pakistani
- ✓ CNIC No: 37406-1603964-5
- ✓ Passport No: AK5759643

Academic Information

Qualification	Duration	Major Area	University/Country
PhD	2009 to 2012	Information Technology	Universiti Teknologi PETRONAS, Malaysia
Master (MS)	2005 to 2006	Computer Science	Malardalen University, Vasteras, Sweden
Master (M.Sc.)	1996 to 1998	Computer Science	International Islamic University, Islamabad, Pakistan
Bachelor (B.Sc.)	1993 to 1995	Math, Physics	Punjab University, Lahore, Pakistan.

Professional Courses /Certification

Name	Duration	Major Area	Organization
Teaching and Learning in Computer Sciences	One semester	Academics	Uppsala University, Stockholm, Sweden
Teradata RRDBMS Factory	Two Week	Data Warehousing	NCR Corporation, Islamabad, Pakistan
NCR Unix Operating System	One Week	Operating System	NCR Corporation, Islamabad, Pakistan
COGNOS ImpromptU Report Writing Tool.	One Week	Data Mining Report Writing tool	NCR Corporation, Islamabad, Pakistan
Component-Based Software engineering	One Semester	Software System	Uppsala University, Stockholm, Sweden.
Teradata Certified Professional	Certification	RDBMS	NCR Corporation, Islamabad, Pakistan
Teradata Certified SQL Specialist	Certification	Structured Query Language	NCR Corporation, Islamabad, Pakistan

Engagements as an Associate Professor at Al-Baha University, Saudi Arabia (From November 2019 to Date)

Country	Industry	Role	Responsibilities
Saudi Arabia	Government University	Associate Professor	✓ Conducting lectures at graduate and undergraduate classes in different areas of computer science. ✓ Delivering seminars on different Information Technology related areas. ✓ Involvement in different research activities. ✓ Involvement in curriculum development ✓ Involvement in ABET accreditation process.

Engagements as an Assistant Professor at Al-Baha University, Saudi Arabia (From August 2013 to October 2019)

Country	Industry	Role	Responsibilities
Saudi Arabia	Government University	Assistant Professor	✓ Conducting lectures at graduate and undergraduate classes in different areas of computer science. ✓ Delivering seminars on different Information Technology related areas. ✓ Involvement in different research activities. ✓ Involvement in curriculum development

✓ Involvement in ABET accreditation process.

Engagements as a Ph.D. Scholar/Lecturer in Universiti Teknologi PETRONAS, Malaysia (March 2009 to March 2013)

Country	Industry	Role	Responsibilities
Malaysia	Private Sector University	PhD Scholar	✓ Conducting research in the area "Modeling Security for SOA-based Applications" ✓ Preparing research proposals for research grants ✓ Conducting lectures at graduate and undergraduate classes in different areas of computer science ✓ Conducting labs/tutorials

Engagements as an Assistant Professor at NUST-SEECS (From July 2008 to March 2009)

Country	Industry	Role	Responsibilities
Pakistan	Public Sector University	Assistant Professor	✓ Conducting lectures at graduate and undergraduate classes in different areas computer science. ✓ Delivering seminars on different Information Technology related areas. ✓ Involvement in different research activities. ✓ Coordination of the final semester projects. ✓ Served as departmental coordinator for HEC accreditation process

Engagements as an Assistant Professor at COMSATS Institute (From Feb 2003 to July 2008)

Country	Industry	Role	Responsibilities
Pakistan	Public Sector University	Assistant Professor	✓ Conducting lectures at graduate and undergraduate classes in different areas computer science. ✓ Delivering seminars on different Information Technology related areas. ✓ Served as departmental coordinator for HEC accreditation process. ✓ Coordination of the master final semester projects. ✓ Advisor of the Bachelor of computer science. ✓ Different software project development activities like project management, evaluation and document preparation of the different projects running under C

Engagements as an NCR Consultant (DBA) (From July 2000 to July 2002)

Country	Industry	Role	Project/Responsibilities
Pakistan	Private Sector	Data Warehouse Administrator	**NADRA – National Data warehouse Project** The project consists of the establishment of a Data warehouse containing information about the citizens of Pakistan. Responsibilities include ✓ Designing and implementation of data loading and exporting techniques ✓ Implementing User level security by using Rolls, Privileges on OS, databases and application level. ✓ System Maintenance according to current requirements by creating database objects like Tables and Constraints, Views, Packages, Procedures and Functions, Triggers, Synonyms. Writing PL/SQL Codes, Scripts etc. ✓ Space and Database object Management. ✓ Performance tuning and optimal utilization of resources of the systems by different techniques and method on each level from backend to end user application. ✓ Designing and implementation of Backup / Recovery strategies. ✓ Updating documents of all system implemented and currently running. ✓ Conversion of system according to news requirements and updates ✓ To prepare a future proposal for existing and a new system in order to increase performance on a long-term basis. ✓ End User's onsite training. ✓ Querying and Reporting

Engagements as Database Developer/Administrator in PTCL. (From January 1999 To June 2000).

Country	Industry	Role	Project/Responsibilities
Pakistan	Government	Database Developer	**PTCL – Inventory Management Project** The project consists of the establishment of a Database for the depots that have to perform different operational tasks while maintaining their inventory. We developed the project in ORACLE / DEVELOPER 2000. Responsibilities include ✓ Analyze the system requirements and its resources

- ✓ Prepare Requirement Specification of the system based on the analyses
- ✓ Prepare the design of the system
- ✓ Implementation of the system
- ✓ Testing and Quality Assurance of the system
- ✓ Prepare the documentation of the system and user guide/ training
- ✓ Implement the security system for the database access control

Engagements as a Consultant in Electronic Solution Pakistan (Pvt.) Ltd. (From 2000 to 2002)			
Country	*Industry*	*Role*	*Project/Responsibilities*
Pakistan	Private	Database Analyst	Provide consultancy on a number of ongoing projects. Responsibilities include

- ✓ Analyze the system requirements and its resources
- ✓ Prepare Requirement Specification based on the analyses
- ✓ Data Modeling
- ✓ Testing and Quality Assurance of the system
- ✓ Prepare the documentation of the system and user guide/ training

Book Publish

1. Saleem, M. Q., J. Jaafar, M. Fadzil Hassan. "*Modeling Security Objectives along BPM of SOA Applications: UML-SOA-Sec and Saleem's Framework for modeling of Security Objectives along Business Process Modeling of SOA Application*" LAP LAMBERT Academic Publishing, August 2013.

Research Papers

1. Publications in ISI Indexed, Impact Factor Journals

1. Parthasarathy Velusamy, Jagadeesan Srinivasan, Nithyaselvakumari Subramanian, Rakesh Kumar Mahendran, Muhammad Qaiser Saleem, Maqbool Ahmad, Muhammad Shafiq and Jin-Ghoo Choi *"Optimization-Driven Machine Learning Approach for the Prediction of Hydrochar Properties from Municipal Solid Waste"* Sustainability March 2023, Volume 15, Issue 7, 6088. https://doi.org/10.3390/su15076088. **ISI Indexed, Impact Factor 3.889**

2. Shahla Gul, Muhammad Asif, Zubair Nawaz, Muhammad Haris Aziz, Shahzada Khurram, Muhammad Qaiser Saleem, Elturabi Osman Ahmed Habib, Muhammad Shafiq and Osama E. Sheta "*Sustainable Learning of Computer Programming Languages Using Mind Mapping*" Intelligent Automation & Soft Computing, IASC, Tech Science Press., 2023, Vol. 36, No. 2, PP 1687-1697, DOI: 10.32604/iasc.2023.032494, **ISI Indexed, Impact Factor 1.647.**

3. Muhammad Umair, Fiaz Majeed, Muhammad Shoaib, Muhammad Qaiser Saleem, Mohmmed S. Adrees, Abdelrahman Elsharif Karrar, Shahzada Khurram, Muhammad Shafiq, Jin-Ghoo Choi. "*Main Path Analysis to Filter Unbiased Literature*" Intelligent Automation & Soft Computing, IASC, Tech Science Press., 2022, Vol. 32, No. 2, PP 1179-1194. doi:10.32604/iasc.2022.018952. **ISI Indexed, Impact Factor 1.647.**

4. Musawwer Khan, Islam Ali, Wasif Nisar, Muhammad Qaiser Saleem, Ali S. Ahmed, Haysam E. Elamin, Waqar Mehmood, Muhammad Shafiq "*Modernization Framework to Enhance the Security of Legacy Information Systems*" Intelligent Automation & Soft Computing, IASC, Tech Science Press. Vol.32, No.1, 2022, pp.543-555, doi:10.32604/iasc.2022.016120. **ISI Indexed, Impact Factor 1.647.**

5. Islam Ali, Syed Muhammad Ali, Waqar Mehmood, Wasif Nisar, Muhammad Qaiser Saleem, Majzoob K. Omer, Mahmood Niazi, Muhammad Shafiq and Jin-Ghoo Choi "*CMMI Compliant Workflow Models to Track and Control Changes*" Intelligent Automation & Soft Computing, Tech Science Press. IASC, 2022, Vol. 31, No. 1, PP 387-405. DOI:10.32604/iasc.2022.015955. **ISI Indexed, Impact Factor 1.647.**

6. Mohamed Ibrahim B, Mohammad Fadzil Hassan, Sohail Safdar, Muhammad Qaiser Saleem "*Adaptive Security Architectural Model for Protecting Identity Federation in Service-Oriented Computing*" ELSEVIER, Journal of King Saud University - Computer and Information Sciences, Vol. 33, Issue 5, PP 580-592, June 2021. DOI: https://doi.org/10.1016/j.jksuci.2019.03.004, **ISI Indexed, Impact Factor 4.26.**

7. Ijaz Ahmad, Inam Ullah, Wali Ullah Khan, Ateeq Ur Rehman, Mohmmed S. Adrees, Muhammad Qaiser Saleem, Omar Cheikhrouhou, Habib Hamam, Muhammad Shafiq, "*Efficient Algorithms for E-Healthcare to Solve Multiobject Fuse Detection Problem*", Journal of Healthcare Engineering, Hindawi, vol. 2021, Article ID 9500304, 16 pages, 2021. DOI: https://doi.org/10.1155/2021/9500304. **ISI Indexed, Impact Factor 1.803.**

8. Islam Ali, Wasif Nisar, Waqar Mehmood, Muhammad Qaiser Saleem, Ali S. Ahmed, Haysam E. Elamin, Mahmood Niazi and Muhammad Shafiq "*Workflow Models to Establish Software Baselines in SSMEs*", Intelligent Automation & Soft Computing, Tech Science Press. Vol. 28, No. 3, pp 693-713, 2021. DOI:10.32604/iasc.2021.016381. **ISI Indexed, Impact Factor 1.276.**

9. Islam Ali, Musawwer Khan, Waqar Mehmood, Wasif Nisar, Waqar Aslam, Muhammad Qaiser Saleem, Majzoob K. Omer, Muhammad Shafiq, "*CMMI Compliant Workflow Models to Establish Configuration Management Integrity in Software SMEs*" Intelligent Automation & Soft Computing, Tech Science Press, Vol. 27, No. 3, pp 605-623, 2021. doi:10.32604/iasc.2021.014639. **ISI Indexed, Impact Factor 1.276.**

10. Abdul Shahid, Muhammad Tanvir Afzal, Muhammad Qaiser Saleem, M. S. Elsayed Idrees, and Majzoob K. Omer "*Extension of Direct Citation Model Using In-Text Citations*" Computers, Materials & Continua, Tech Science Press, Vol 66, No 3, 2021, pp-3121-3138. doi:10.32604/cmc.2021.013809, https://www.techscience.com/cmc/v66n3/41075, **ISI Indexed, Impact Factor 3.772.**

11. Muhammad Aamir, Tariq Ali, Ahmed Shaf, Muhammad Irfan, Muhammad Qaiser Saleem "*ML-DCNNet: Multi-level Deep Convolutional Neural Network for FacialExpression Recognition and Intensity Estimation*" Springer, Arabian Journal for Science and Engineering, 45, 10605–10620 (2020) July 2020. doi: https://doi.org/10.1007/s13369-020-04811-0. **ISI Indexed, Impact Factor 1.711** .

12. Mahnoor Masood, Khalid Iqbal, Qasim Khan, Ali Saeed Alowayr, Khalid Mahmood Awan, Muhammad Qaiser Saleem, Elturabi Osman Ahmed Habib "*Multi-Class Skin Cancer Detection and Classification using Hybrid Features extraction Techniques*"**,** Journal of Medical Imaging and Health Informatics, Vol. 10, No. 10, pp 2466-2472, October 2020. doi: https://doi.org/10.1166/jmihi.2020.3176. **ISI Indexed, Impact Factor 0.549.**

13. Waqar Mehmood, Muhammad Shafiq, Muhammad Qaiser Saleem, Ali Saeed Alowayr, Waqar Aslam "*A Feature-based Evaluation of Model Merge Methods for e-Health Solutions*" Journal of Medical Imaging and Health Informatics**.** Vol. 10, No. 10, 2473–2480, October 2020, doi: https://doi.org/10.1166/jmihi.2020.3273. **ISI Indexed, Impact Factor 0.549** .

14. Khalid Awan, Asim Zeb, Faisal Bashir, Qurban ali, Jamal Uddin and Saleem Iqbal, Muhammad Qaiser Saleem, Ali Saeed Alowayr "*A Propose IoT Enable Smart Waste Bin Management System and Efficient Route Selection*", Journal of Computer Networks and Communications, Volume 2019, Article ID 7043674, 9 pages https://doi.org/10.1155/2019/7043674. **ISI Indexed and Impact Factor 1.32.**

15. Fiaz Majeed, Muhammad Shafiq, Amjad Ali, Muhammad Awais Hassan, Syed Ali Abbas, Mohammad Eid Alzahrani, Muhammad Qaiser Saleem, Hannan Bin Liaqat, Akber Gardezi, Azeem Irshad "*Self-citation Analysis on Google Scholar Dataset for H-Index Corrections*" IEEE Access, Volume 7, Issue 1, 126025-126036, 30 August, 2019, DOI 10.1109/ACCESS.2019.2938657, Electronic ISSN: 2169-3536. **ISI Indexed, Impact Factor 4.098.**

16. Haseeb K, Abbas N, Saleem MQ, Shetta OE, Awan K, Islam N, et al. (2019) "*RCER: Reliable Cluster-based Energy-aware Routing Protocol for Heterogeneous Wireless Sensor Networks*" PLoS ONE 14(9): e0222009. https://doi.org/10.1371/journal.pone.0222009 PMID: 31537014. **ISI Indexed, Impact Factor 2.776.**

17. Khalid M. Awan, Nadeem Ashraf, Muhammad Qaiser Saleem et. al. "*A Priority-based Congestion-avoidance Routing Protocol using IoT based Heterogeneous medical sensors for Energy Efficiency in Healthcare Wireless Body Area Networks*" International Journal of Distributed Sensor Networks, 2019, Vol. 15(6), SAGE Publication, **ISI Indexed, Impact Factor 1.787.**

18. Zainib Noshad, Nadeem Javaid, Tanzila Saba, Zahid Wadud, Muhammad Qaiser Saleem, Mohammad Eid Alzahrani, Osama E. Sheta, "*Fault Detection in Wireless Sensor Networks Through Random Forest Classifier*" Sensors, 2019, Volume 19, Issue 7, 1568, **ISI Indexed, Impact Factor 3.576.**

19. Zainib Noshad, Nadeem Javaid, Tanzila Saba, Zahid Wadud, Muhammad Qaiser Saleem, Mohammad Eid Alzahrani, Osama E. Sheta, "*Machine Learning Algorithms and Fault Detection for Improved Belief Function Based Decision Fusion in wireless sensor network*" Sensors 2019, Volume 19, Issue 6, 1334. **ISI Indexed, Impact Factor 3.576.**

20. Usman Habib, Tassawar Iqbal, Muhammad Tariq Yousafzai, Sabeen Ali, Kinza Sattar, Muhammad Qaiser Saleem "*There's no such thing as free lunch but envy among young Facebookers*" KSII Transactions on Internet and Information Systems, Vol 12, No 10, October 2018, **ISI Indexed, Impact Factor 0.452.**

21. Rehana Moin, Zahoor-ur-Rehman, Khalid Mahmood, Mohammad Eid Al Zahrani, Muhammad Qaiser Saleem " *Framework for Rumors Detection in Social Media*", International Journal of Advanced Computer Science and Applications(IJACSA), Volume 9 Issue 5, 2018, **ISI Indexed, Impact Factor 1.324**.

22. Uferah Shafi, Asad Ali Safi, Ahmad Raza Shahid, Sheikh Ziauddin, Arif Mahmood and Muhammad Qaiser Saleem "*Vehicle Remote Health Monitoring And Prognostic Maintenance System*" Journal of Advanced Transportation. Wiley, Hindawi. Volume 2018, DOI: 10.1155/2018/8061514 , Article ID 8061514, 10 pages, **ISI Indexed, Impact Factor 2.249.**

23. Abdul Rehman Gilani, Jafreezal Jaafar, Ahsanullah Abro, Mazni Omar, Shuib Basri, Muhammad Qaiser Saleem*"Effective Personality Preferences of Software Programmer: A Systematic Review*" Journal of Information Science and Engineering. Vol. 33, No. 6. November 2017. **ISI Indexed, Impact Factor 1.55**.

24. Soobia Saeed, Asadulallah Shaikh, Muhammad Ali Memon, Muhammad Qaiser Saleem, Syed Mehmood Raza Naqvi "*Assessment of Brain Tumor Using Matlab Techniques.*" Journal of Medical Imaging and Health Informatics, Vol. 7, No. 6, pp.1454-1460, October 2017. doi:10.1166/jmihi.2017.2187, **ISI Indexed, Impact Factor 0.877**.

25. Abdul Wahid, Muhammad Shakeel Ahmed, Noraini Bt. Abu Talib, Iqtidar Ali Shah, Muhammad Tahir, Farzand Ali Jan, Saleem, M.Q *"Barriers to empowerment: Assessment of community-led local development organizations in Pakistan"* Renewable and Sustainable Energy Reviews, ELSEVIER, 2016**.** http://dx.doi.org/10.1016/j.rser.2016.11.163, **ISI Indexed, Impact Factor 6.798.**

26. Saleem, M. Q., J. Jaafar, M. Fadzil Hassan "*Secure Business Process Modelling of SOA Applications using UML-SOA-Sec*". International Journal of Innovative Computing, Information and Control (IJICIC), Vol. 8, No. 4, pp 2729-2746, April 2012. http://www.ijicic.org/10-10034-1.pdf, **ISI Indexed, Impact Factor 1.55.**

2. Publications in Other Refereed Journals

1. Muhammad Qaiser Saleem "*Security Problems in SOA Applications"* International Journal of Security and Its Applications Vol. 11, No. 11, pp31-40. November 2017, DOI:10.14257/ijsia.2017.11.11.03. ISSN: 1738-9976 IJSIA **Impact Factor 0.49.**

2. Khalid Zaman, Muhammad Qaiser Saleem, Mehboob Ahmed, Amir Khan "*Economic Freedom Indicator and Higher Education Reforms: Evaluation and Planning Internationalization Process"* International Journal of Economics and Financial Issues, Vol. 7, No. 3, pp 152-160, 2017, ISSN: 2146-4138. https://www.econjournals.com/index.php/ijefi/article/view/4791/pdf.

3. Saleem, M.Q. "*A Quantitative Study of Domain Specific Languages for Model Driven Security*" Advances in Information Sciences and Service Sciences (AIS), (An International Journal of Research and Innovation) Vol. 7, No. 2, pp40-50, April 2015. **Scopus Indexed**

4. Saleem, M.Q. "*A Decade of Domain Specific Modeling Languages for Model-Driven Security* " Journal of Basic and Applied Scientific Research, TextRoad Publication, Vol. 4, No 1, pp 90-96, 2014. https://www.textroad.com/pdf/JBASR/J.%20Basic.%20Appl.%20Sci.%20Res.,%204(1)90-96,%202014.pdf, **Scopus Indexed, Impact Factor 1.062**

5. Saleem, M. Q., J. Jaafar, M. Fadzil Hassan "*A Domain Specific Language for Modelling Security Requirements in Business Process Model for SOA Systems*". Advances in Information Sciences and Service Sciences (AISS), (An International Journal of Research and Innovation). Vol. 4, No. 1, pp 353-362, 2012. **Scopus Indexed.**

6. Saleem, M.Q. "*A Decade of Model-Driven Web Services Composition Frameworks*" Research Journal of Applied Sciences, Engineering and Technology, Vol 7, No 20, pp 4244-4250, 2014. https://maxwellsci.com/print/rjaset/v7-4244-4250.pdf, **Impact Factor 0.47.**

7. Saleem, M.Q. "*A Qualitative Study of Domain Specific Languages for Model Driven Security* " Research Journal of Applied Sciences, Engineering, and Technology. Vol 7, No 17, pp 3514-3521, 2014. **Impact Factor 0.47, https://maxwellsci.com/jp/mspabstract.php?jid=RJASET&doi=rjaset.7.703.**

8. Saleem, M. Q., J. Jaafar, Hassan, M. F. "*A Framework for Model-Driven Development of Secure Web Services Composition*" Advances in Information Sciences and Service Sciences (AISS), an International Journal of Research and Innovation. Vol. 4 No. 9 . PP. 67-78, 2012. **Scopus Indexed.**

9. Saleem, M. Q., J. Jaafar, Hassan, M. F. "*Model-based Security Engineering of SOA Systems Using Modified UML-SOA-Sec*". Advances in Information Sciences and Service Sciences (AISS), an International Journal of Research and Innovation Vol. 4 No. 9. PP. 79-88, 2012. **Scopus Indexed.**

10. Saleem, M. Q., J. Jaafar, M. Fadzil Hassan. "*Model-based Security Engineering of SOA System Using Security Intent DSL*", International Journal of New Computer Architectures and Their Applications, Vol. 1, No. 3, pp 565-580, 2011.

3. Publications in Conferences

1. R. Ullah, J. Jaafar, A. Md. Said, I. Ullah. Saleem, M. Q. "*Semantic Ontology for annotated Images*" IEEE, 3rd International Conference on Computer and Information Sciences (ICCOINS2016), Kuala Lumpur, Malaysia, 2016, DOI https://ieeexplore.ieee.org/document/7783250.

2. R. Ullah, J. Jaafar, A. Md. Said, Saleem, M. Q. "*Semantic Space Expansion and Refinement*" IEEE, International Conference on Open Systems (ICOS2016), Langkawi, Malaysia, 2016 DOI: https://ieeexplore.ieee.org/document/7881995.

3. Saleem, M. Q., J. Jaafar, M. fadzil Hassan " *Model Driven Software Development: an Overview*". IEEE, 2nd International Conference on Computer and Information Sciences (ICCOINS2014),), Kuala Lumpur, Malaysia, 2014 DOI: https://ieeexplore.ieee.org/document/6868832.

4. Saleem, M. Q., J. Jaafar, M. fadzil Hassan. "*Security Modelling Along Business Process Model of SOA Systems Using Modified "UML-SOA-Sec"*. IEEE International Conference on Computer and Information Sciences (ICCIS-2012), Kuala Lumpur, Malaysia, 2012.

5. Saleem, M. Q., J. Jaafar, M. fadzil Hassan. "*Security Modeling of SOA Systems using Security Intents DSL* " Springer LNCS Series, 2nd International Conferences on Software Engineering and Computer System, (ICSECS 2011), Pahang, Malaysia, 2011.

6. Saleem, M. Q., J. Jaafar, M. fadzil Hassan. "*Model Driven Security Framework for Definition of Security Requirements for SOA systems.*" IEEE International Conference on Computer Applications and Industrial Electronics (ICCAIE 2010), Kuala Lumpur, Malaysia, 2010.

7. Saleem, M. Q., J. Jaafar, M. fadzil Hassan. "*Model Driven Security Frameworks for Addressing Security Problems of Service Oriented Architecture*." IEEE International Conference, International Symposium on Information Technology (ITSim-2010), 2010, Kuala Lumpur, Malaysia, 2010.

8. Saleem, M.Q. " *Component Specification*" International Conference on Software Engineering, (ISE-06) 2006. The University of Lahore, Lahore, Pakistan.

9. Saleem, M.Q., Zaheer, M, " *Introduction to Data warehousing*", Interesting Result in Computer Sciences and Engineering, IRCSE-2005, Malardalen Unversity, Vasteras, Sweden.

Master Thesis Supervised

1. "*Requirements Engineering Development and Management Framework (REDMF) based on Best Software Engineering Practices*" by Hifza Ali, in 2008

2. "*Solution with Quality, Speed, and Accuracy through Pair Programming-v5*" by Hamid Jadoon, in 2008.

3. "*Intelligent Schema Merging*" by Tahir Abbas, in 2008.

Member of Research Groups

1. SnooP Research Group, Al Baha University, Kingdom of Saudi Arabia.

2. Semantic-Based Web Application Firewall (SWAF), DTS Japan and NUST, Pakistan.

3. Health Life Horizon (HL-7), NUST, Pakistan

Distinctions

1. Won a fully sponsored **scholarship** from Universiti Teknologi PETRONAS, Malaysia for **Ph.D. studies**.

2. Commendation Letter for conducting *NCEAE-HEC accreditation* visit by Director General, SEECS NUST, in 2008.

3. Commendation Letter for *huge data loading in NADRA Data warehouse* in a limited time by Country Manager of NCR Corporation in 2001.

Conferences Organized

1. Frontier of Information Technology (FIT-2006), December 2006, Islamabad Pakistan.

2. Frontier of Information Technology (FIT-2007), December 2007, Islamabad Pakistan.

3. COMSATS Workshop on Research in Computing (CWRC-2007), Abbottabad, Pakistan.

Reviewers of the Conferences

1. ICCOINS 2016, Kuala Lumpur, Malaysia.

2. HONET- 2015, December 2015, Islamabad Pakistan.

3. INNS-CIIS 2014, Bandar Seri Begawan, Brunei

Courses Taught

Since my graduation in 1998, I have been involved in teaching at the university level and have taught many courses at the graduate and undergraduate levels mainly related to the domains of *Software Engineering, Information Systems/Databases, and as required by management*. My major responsibility is to prepare the course plan, prepare lectures and labs, deliver the lectures, and conduct the exam.

In Addition to the courses mentioned below, I have taught several courses as required by the department/ University.

MS/Graduate Level Courses

1. Component-Based Software Engineering

2. Object Oriented Analysis and Design

3. And many more as required by the management.

BS/Undergraduate Level Courses

1. Software Engineering
2. System Analysis and Design
3. Object-Oriented Software Engineering
4. Software Project Management
5. Databases Management Systems
6. Data Warehousing and Data Mining
7. Distributed Databases
8. And many more as required by the management.

References

1. Prof. Dr. Hafiz Farooq Ahmed: **Institution**: Department of Computer Science, College of Computer Science and Information Technology, King Faisal University, Alahsaa, 31982, Saudi Arabia
   Email: hfahmad@kfu.edu.sa
   Mobile: 00966-556715190

2. Prof. Dr. Rahmat Budiarto   **Institution:** Department of Computer Science, Faculty of Computer Science and Information Technology, Al-Baha University, Al Baha, Saudi Arabia
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   Mobile: 00966-553451317

3. Prof. Dr. Shahzad Sarfraz   **Institution:** Director, FAST-National University of Computer and Emerging Sciences, Chiniot-Faisalabad campus, Faisalabad, Pakistan
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