

## Resume

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Date of birth: 23/03/1978

Place of Birth: Kheru Khel Pakka, Lakki Marwat, Pakistan

Nationality: Pakistani

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## **EDUCATION**

- PhD: Computer Science/Software Engineering, Keele University, UK, 2011 (Thesis defence held on 15-Dec-2010, PhD degree awarded on 22-Jun-2011) **Funded by HEC (Pakistan) FDP Scholarship**
- MSc. Computer Science University of Peshawar, Pakistan (2000)
- BSc. Computer Science Gomal University, Pakistan (1998)

## **PROFESSIONAL TRAINING**

- Quantitative Data Analysis using SPSS (Keele University, UK)
- Qualitative Data Analysis using NVivo (Keele University, UK)
- Scientific Writing (Keele University, UK)
- Systematic Literature Review (Keele University, UK)
- Presentation Skills (Keele University, UK)
- Core Research Training Module (Keele University, UK)
- Teaching International Students (Keele University, UK)
- Managing Research Relationship (Keele University, UK)
- A career as an Academic (Keele University, UK)
- Intellectual Property for Research (Keele University, UK)
- Time Management (Keele University, UK)
- Assertive Communication (Keele University, UK)
- Contributing Assertively to Meetings (Keele University, UK)

## **EXPERIENCE SUMMARY:** Total IT experience 10 years

### **Teaching**

- Curriculum development for BS-Software Engineering, DIT, PGDIT, MS and PhD (Computer) courses
- Teaching at undergraduate and postgraduate levels in computer science, software engineering, software project management, database management systems, data structure, Programming in C++, Quantitative data analysis, systematic literature review: A new research methodology

### **Research**

- Research in the areas of global software development/software outsourcing, empirical software engineering, and systematic literature review (SLR)
- Supervision of research (Honours, MS and PhD)
- Currently supervising 15 research students in total (10 MS and five PhD students).

- Research collaboration with academics and software industry
- Designing of research instrument
- Conducting of research highly required by software industry

## **RESEARCH EXPERIENCE**

### ***Statement on research interests***

I am an active researcher in the field of Software Engineering. I have great interests in empirically exploring and designing innovative processes in order to improve systems development in organisations. My research interests are: software outsourcing, empirical software engineering, global software engineering, process measurement, information systems development improvement, information systems quality, software process improvement, quality assurance, requirements engineering and evidence-based software engineering. I have developed software outsourcing vendors' readiness model (SOVRM) during my PhD at Keele University UK.

### ***Publications***

#### ***Refereed Journals/Book Chapter***

1. Siffat Ullah Khan and Muhammad Ilyas Azeem (2012), Intercultural challenges in offshore software development outsourcing relationships: an exploratory study using a systematic literature review, in process for Journal of IET Software.
2. Siffat Ullah Khan and Asad Ullah Alam (2012), Knowledge sharing management in offshore software development outsourcing relationships: an exploratory study using a systematic literature review, submitted to Journal of IET Software.
3. Mahmood Niazi, Naveed Ikram, Muneera Bano, Salama Imtiaz and **Siffat Ullah Khan** (2012), Establishing trust in offshore software outsourcing relationships: an exploratory study using a systematic literature review, submitted to Journal of Software: Evolution and Process.
4. Siffat Ullah Khan, Mahmood Niazi and Rashid Ahmad (2012), An empirical investigation of success factors for offshore software development outsourcing vendors, Journal of IET Software, Volume 6, Issue 1, pp. 1-15.
5. Siffat Ullah Khan, Mahmood Niazi and Rashid Ahmad (2011), Barriers influencing clients in the selection of offshore software outsourcing vendors: an exploratory study using a systematic literature review, Information and Software Technology Journal, 53(7), 693-706.
6. Siffat Ullah Khan, Mahmood Niazi and Rashid Ahmad (2011), Factors influencing clients in the selection of offshore software outsourcing vendors: an exploratory study using a systematic literature review, Journal of Systems and Software, 84(4), 686-699.
7. Siffat Ullah Khan, Mahmood Niazi (2010), Critical Success Factors for Offshore Software Development Outsourcing Vendors: An Empirical Study, Book Chapter, Product-Focused Software Process Improvement, LNCS 2010, Volume: 6156/2010, 146-160.

#### ***Refereed Conferences***

8. Siffat Ullah Khan and Mahmood Niazi (2012), Critical Challenges in Offshore Software Development Outsourcing: An Empirical Study, accepted to IASTED SE Conference, June-18-20, 2012, Crete, Greece.
9. Abdul Wahid Khan and **Siffat Ullah Khan** (2012), Outsourcing contract management model, submitted to Doctoral Symposium, 13<sup>th</sup> International conference on Product-Focused Software Development and Process Improvement (Profes), June 13-15, 2012 Madrid.
10. Muhammad Salam and **Siffat Ullah Khan** (2012), Software development multi-sourcing relationships management model (SDMRMM) from vendors' perspective, submitted to Doctoral Symposium, 13<sup>th</sup> International conference on Product-Focused Software Development and Process Improvement (Profes), June 13-15, 2012 Madrid.
11. Muhammad Ilyas Azeem and **Siffat Ullah Khan** (2011), Intercultural challenges in offshore software development outsourcing relationships: A systematic literature review protocol, IEEE 2011 5<sup>th</sup> Malaysian Conference in Software Engineering (MySEC11), Malaysia, December, 2011.

12. Asad Ullah Alam and **Siffat Ullah Khan** (2011), Knowledge sharing management in offshore software development outsourcing relationships from vendors' perspective: A systematic literature review protocol, IEEE 2011 5<sup>th</sup> Malaysian Conference in Software Engineering (MySEC11), Malaysia, December, 2011.
13. Siffat Ullah Khan, Mahmood Niazi, Rashid Ahmad (2010), Critical Success Factors for Offshore Software Development Outsourcing Vendors: An Empirical Study, the 11<sup>th</sup> International Conference on Product Focused Software Development and Process Improvement (*PROFES 2010*), Limerick, Ireland, June 21-23, 2010.
14. Siffat Ullah Khan, Mahmood Niazi and Naveed Ikram (2010), Software Development Outsourcing Relationships Trust: A Systematic Literature Review Protocol, International Conference on Evaluation and Assessment in Software Engineering (EASE 2010), UK April 2010.
15. Siffat Ullah Khan, Mahmood Niazi and Rashid Ahmad (2009), Critical Barriers for Offshore Software Development Outsourcing Vendors: A Systematic Literature Review, IEEE Asia Pacific Conference on Software Engineering, Malaysia, Dec. 2009.
16. Siffat Ullah Khan, Mahmood Niazi and Rashid Ahmad (2009), Critical Success Factors for Offshore Software Development Outsourcing Vendors: A Systematic Literature Review, IEEE international conference on Global Software Engineering, Lero Ireland, July 2009.
17. Siffat Ullah Khan, Mahmood Niazi and Rashid Ahmad (2008), A Systematic Literature Review Protocol for a Software Outsourcing Vendors Readiness Model (SOVRM), International Conference on Information and Communication Technologies, August 2008, Bannu, Pakistan.
18. Siffat Ullah Khan, Mahmood Niazi and Rashid Ahmad (2008), A Readiness Model for Software Development Outsourcing Vendors, Doctoral Symposium, IEEE international conference on global software engineering (ICGSE 2008), August, 2008.

#### ***Technical reports and other publications***

19. Siffat Ullah Khan and Mahmood Niazi (2010), An Analysis of software outsourcing practitioners' perceptions on success factors for offshore software outsourcing vendors: Keele Research symposium, 2010, Keele University, UK.
20. Siffat Ullah Khan, Mahmood Niazi and Naveed Ikram (2009), Software Development Outsourcing Relationships Trust: A Systematic Literature Review (Protocol), Technical Report: TR/2009-01, Keele University, UK.
21. Siffat Ullah Khan, Mahmood Niazi (2008), Systematic Literature Review Protocol for Software Outsourcing Vendors Readiness Model, Technical Report: TR/08-01, Keele University, UK.

#### ***Research supervision***

- I am leading Software Engineering Research Group (SERG\_UOM) at University of Malakand. SERG\_UOM was founded/established by me in January, 2011.
- Currently supervising 5 PhD and 10 MS/M.Phil students at University of Malakand, Pakistan.
- I have supervised many research projects and information systems development projects at University of Malakand.

#### ***National and international reputation in the field***

I am actively contributing to an academic community and my work has been recognised internationally. I am working as a coordinator of MS and PhD programme at University of Malakand and a key member of the advanced studies and research board. In addition, I am/was an active member of the programme/review committee for each of the following conferences/journals:

- Journal of IET Software
- Journal of Digital Content Technology and its Applications ( <http://www.aicit.org/jdcta/> )
- Journal of Science and Technology, University of Peshawar, Pakistan.
- International Conference of ICTs, UST-Bannu, Pakistan
- The 5<sup>th</sup> Malaysian Software Engineering Conference, MySEC'2011, Malaysia (<http://seminar.utmspace.utm.my/mysec2011/Committe.html>)
- The 15<sup>th</sup> IEEE International Multi Topic Conference (INMIC), December 13-15, Islamabad, Pakistan.

## **COLLABORATION WITH RESEARCHERS AND COLLEAGUES**

I retain close ties with researchers in Software Engineering area. Currently I am collaborating with Keele University UK, KFUPM Saudi Arabia, NUST, Pakistan, KUST Pakistan, International Islamic University, Pakistan, Riphah International University, Pakistan and the Software Engineering Research Group (SERG\_UOM) at University of Malakand.

## **CAREER HISTORY**

1. Department of Computer Science & IT, University of Malakand, PAKISTAN (01-December-2001 to 30-June-2007)  
Position:Lecturer
2. Department of Computer Science & IT, University of Malakand, PAKISTAN (July, 2007 to date)  
Position:Assistant Professor
3. Department of Software Engineering, University of Malakand, PAKISTAN (April, 2011 to date)  
Position:Incharge/Chairman
4. School of Computing and Mathematics, Keele university, UK (January, 2008 to December, 2010, HEC FDP scholarship awardee, on study leave (without pay) from Malakand University for the period)  
Position:PhD research student (on full time basis)

I have developed software outsourcing vendors' readiness model (SOVRM) during my PhD.

Apart from teaching I have undertaken the following management responsibilities at University of Malakand, Pakistan:

1. Head of the Department of Computer Science & IT
2. Member of Proctorial board
3. Member of Examination UFM committee
4. Pioneer warden of the staff hostel
5. Pioneer Lecturer/Asstt.Professor at the Department of Computer Science & IT
6. Member of Gardening Committee
7. Convener of admission committee at Department of Computer Science and IT
8. Member of Advance Studies and Research Board (ASRB), since January, 2011
9. Convener/Incharge of M.Phil/MS and PhD programme at University of Malakand, since 14-Mar-2011
10. Member of a committee for designing standard format for Research synopsis and dissseration at University of Malakand, since 16-Mar-2011
11. Member of Departmental Purchase Committee for University Staff Hostel since March, 2011
12. Head, Department of Software Engineering, University of Malakand
13. Member of Examination Discipline Committee (Appeal Committee), University of Malakand since April 2011
14. Convener of the Board of Studies, Department of Software Engineering, University of Malakand, since January, 2012.
15. Member of the Board of Studies, Department of Computer Science & IT, University of Malakand, since February, 2012.
16. Convener, Departmental Committee for monitoring and evaluation of M.Sc and BS final year software projects at Deptt: of Computer Science & IT, University of Malakand, since 17-Apr-2012.

## **REFEREES**

1. Name: Dr Mahmood Niazi (PhD Supervisor)  
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3. Name: Mr Asad Ullah Alam  
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