Dr. Fawad Qayum
(Ph.D Leicester, UK)

31 July 2018

Coordinator Postgraduate
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HOME
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Degree College,
Saidu Sharif Swat, 19200
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Pakistan

OBJECTIVES

To excel in my field through hard work, research, skills and perseverance. To be involved in work where I can utilize my skills and abilities that effectively contribute to the growth of my organization.

EDUCATION

University of Leicester, Leicester, U.K. – [2012]
Department of Computer Science.
Ph.D. – Software Engineering

University of Peshawar, Pakistan – [2003]
Department of Computer Science.
MSc– Computer Science

University of Peshawar, Pakistan – [2000]
Govt. Postgraduate Jehanzeb College
Saidu Sharif Swat.
BSc– Computer Science

SPS College Mingora Swat KPK, Pakistan – [1998]
F.Sc (Intermediate) – Pre-Engineering

EXPERIENCE

➢ **Coordinator Postgraduate (MS/PhD) Program Department of Computer Science & IT,**

University of Malakand, Pakistan.

Aug. 2015 – Present

R E S P O N S I B I L I T I E S

☐ Supervision of annual admissions for MS and PhD programs.

☐ Secretary Graduate Study Committee for MS and PhD programs.

☐ Supervision of research activities in the department.

☐ Annual Revision of MS and PhD Syllabus

➢ **Head of the Department of Software Engineering, University of Malakand, Pakistan.**

Sep. 2016 – Oct. 2017

R E S P O N S I B I L I T I E S

☐ Academic/Administrative supervision of the Department.

☐ Correspondent to Office of the Vice chancellor/ Registrar of the University.

☐ Supervision of annual BS program admission.

☐ Liaison officer to National Computing Education Accreditation Council Pakistan.

☐ Focal Person to Pakistan Engineering Council.

☐ Member Board of Studies and Syllabus Revision committee.

☐ Member Board of Faculty Department of Software Engineering.

➢ **Assistant Professor (BPS-19)| Department of CS & IT, University of Malakand, Pakistan.**

May. 2013 – Present

R E S P O N S I B I L I T I E S

☐ Teaching various courses at undergraduate (BS) and postgraduate (MS/Ph.D.) level

☐ Supervision of MPhil and PhD research students. Currently supervising 06 MPhil and 02 PhD research students. Two MPhil students have successfully defended their thesis.

☐ Supervision of Annual MSc and BS projects.

➢ **Deputy Director Admission| University of Malakand, Pakistan.**
   Oct 2013 – Aug 2014

R E S P O N S I B I L I T I E S

☐ Supervision of University centralized admission for BS, MS and PhD programs.

☐ Secretary Advance Studies and Research Board, University of Malakand, Pakistan.

☐ Liaison Officer for accreditation of various programs with Higher Education Commission of Pakistan.

☐ Organizing annual seminars for student recruitment nation wide.

➢ **Lecturer (BPS-18) | Department of CS & IT, University of Malakand, Pakistan.**
   May 2012 – May 2013

R E S P O N S I B I L I T I E S

☐ Teaching various courses at undergraduate (BS) and postgraduate (MS/Ph.D.) level Courses.

☐ Timetable in-charge for course allocation.

➢ **Research Assistant | Department of Computer Science, University of Leicester, UK.**
   Sep 2007 – April 2012

R E S P O N S I B I L I T I E S

☐ Doctoral research in Search Based Software Refactoring at Department of Computing Science, University of Leicester, UK.

☐ Teaching Assistant for MSc Courses.

☐ Attending research workshops and conferences.

➢ **Assistant Registrar (BPS-17) | Registrar Office, University of Malakand, Pakistan.**
   February. 2005 – July. 2007

R E S P O N S I B I L I T I E S

☐ Corresponding with Higher Education Commission of Pakistan.

☐ Dealing student affairs.

☐ Organizing meetings for Selection Boards for University appointment.

☐ Organizing University Syndicate meetings.

➢ **Administrator Officer (BPS-17) | SZIC University of Peshawar, Pakistan.**

January. 2004 – Jan. 2005

RESPONSIBILITIES

☐ Supervision of ministerial staff.

☐ Student affairs.

☐ Supervision of Security Staff.

☐ Organizing Annual meeting for Board of Governors.

☐ Public relation

RESEARCH & PUBLICATIONS

RESEARCH INTERESTS

☐ Model-driven software evolution and re-engineering.

☐ Quality-Controlled Refactoring at Model level Using Graphs.

☐ Search-Based Refactoring using Graph Transformation Systems.

CONFERENCE PAPERS

☐ F. Qayum. Automated assistance for search-based refactoring using unfolding of graph transformation systems. In Proceedings of the 5th international conference on Graph transformations, ICGT'10, pages LNCS, 2010, Volume 6372/2010, 407–409, Berlin, Heidelberg, 2010. Springer- Verlag.

☐ F. Qayum and R. Heckel. Analysing refactoring dependencies using unfolding of graph transformation systems. In Proceedings of the 7th International Conference on Frontiers of Information Technology, FIT '09, pages 15:1–15:5, New York, NY, USA, 2009. ACM.

☐ F. Qayum and R. Heckel. Local search-based refactoring as graph trans- formation. In Proceedings of the 2009 1st International Symposium on Search Based Software Engineering, SSBSE '09, pages 43–46, Washington, DC, USA, 2009. IEEE Computer Society.

JOURNALS

☐ F. Qayum and R. Heckel. Search-based refactoring using unfolding of graph transformation systems. International Conference on Graph Transformation 2010 - Doctoral Symposium, Electronic Communications of the EASST, 38(0), 2011.

☐ Refactoring of non-dispatchable flaws in the design model based on coupling. Syed Uzair Ahmad, Muhammad Naeem, Fawad Qayum, Faqir Gul Selforganizology ISSN 24100080, 2015, 2(3): 46-54 URL: http://www.iaees.org/publication/journals/Selforganizology.

☐ Saeed Ullah Jan, Fawad Qayum et al. An improved lightweight privacy preserving authentication scheme for SIP-based-VOIP using smart card. JOURNAL OF SOFTWARE ENGINEERING & INTELLIGENT SYSTEMS ISSN 2518-8739 31st December 2017, Volume 2, Issue 3,

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☐ JAN, Saeed Ullah; QAYUM, Fawad. A Robust Authentication Scheme for Client-Server Architecture With Provable Security Analysis. Network and Communication Technologies, [S.l.], v.3, n.1, p. p6, apr. 2018. ISSN 1927-0658. Available at: <http://www.ccsenet.org/journal/index.php/nct/article/view/74697>. Date accessed: 26 apr. 2018. doi: http://dx.doi.org/10.5539/nct.v3n1p6.

SUBMITTED JOURNALS PAPERS FOR PUBLICATION

☐ "Fuzzy based Hybrid Focus Value Estimation for Multi Focus Image Fusion" for possible publication in the journal of Computational and Mathematical Organization Theory, published by Springer.

☐ "Analysis of Dynamics of Voting System for Small Number of Candidates" for possible publication in Computational and Mathematical Organization Theory, published by Springer.

☐ "Personality Detection using Computational and Machine learning techniques: Trends, Challenges and Opportunities." For possible publication in journals of Computational and Mathematical Organization Theory published by Springer.

☐ "Modeling and Representation of Built Culture Heritage Data using Semantic web Technologies and building information Model". For possible publication in the Journal of Computational and Mathematical Organization Theory published by Springer.

PROFESSIONAL ACTIVITIES

☐ Member of Graduate Study Committee, Department of CS & IT. University of Malakand. (Jan 2013 – Jan 2016).

☐ Member of Departmental Admission Committee (BS, MSc, M.Phil & Ph.D) since, Aug. 2012.

☐ Coordinator Accreditation Committee for BS Software Engineering Program, UOM.

☐ Member National Computing Education and Accreditation Council of Pakistan Higher Education Commission Pakistan.

☐ Member Board of Studies Committee Dept. of Software Engineering, UOM April 2015.

REFERENCES UPON REQUEST