

Umair Babar

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Education

- MS Computer Science from the University of Central Punjab (UCP), Lahore, Pakistan, 2009.
- BS Computer Science from the University of Central Punjab (UCP), Lahore, Pakistan, 2005.

Work Experience

- Serving as a full time faculty member (Lecturer from 04-December-2008 till 28-December-2017 and Assistant Professor from 28-December-2017 to date) at Punjab University College of Information Technology (PUCIT), University of the Punjab (PU), Lahore, Pakistan.
- Worked as a visiting faculty member at Beaconhouse Informatics, Lahore, Pakistan with accreditation of Curtin University, South Australia from January 2007 to June 2008.
- Worked as a visiting faculty member at Pak Institute of Management and Computer Sciences (PIMCS), Lahore, Pakistan in affiliation of University of the Punjab (PU), Lahore, Pakistan from June 2007 to January 2009.
- Worked as a visiting faculty member at Beaconhouse National University (BNU), Lahore, Pakistan from June 2008 to January 2009.
- Served as a Research Officer (RO) on Open Source Software (OSS) development and integration funded by the ICT-R&D at Punjab University College of Information Technology (PUCIT), University of the Punjab (PU), Lahore, Pakistan, 2009.

Administrative Responsibilities at PUCIT

- Degree supervisor of BSIT program from December 01, 2012 till November 15, 2018.
- Supervision of undergraduate (BS and MSc) Final Year Projects (FYPs).
- Member of BS and MSc admission committees (paper setting, paper printing and marking).
- Member of College Council from December 01, 2012 till November 15, 2018.
- Project Advisor and Evaluator for Project Office from October 01, 2015 till July 07, 2018.
- Chairperson of Event Management Society (EMS) from December 19, 2016 till September 05, 2018.
- Member/Secretary of Disciplinary Committee (DC) from April 30, 2014 till December 26, 2018.
- Member/Secretary of Financial Aid Committee from January 15, 2013 till October 07, 2016.
- Member/Secretary of Course Allocation Committee from January 01, 2015 till June 08, 2020.
- Member/Secretary of Unfair Means Committee (UMC) from December 07, 2015 till September 11, 2017.
- In-charge examinations from December 03, 2012 till September 21, 2017.
- Chairman sports society from December 03, 2012 till December 05, 2014.
- Member Computer Society from March 07, 2011 to date.
- Member Environment Society from January 16, 2017 to date.
- Member Affiliated Colleges Management Committee (ACMC) from September 22, 2020 to date.
- Paper setter of Programming Fundamentals, Object Oriented Programming and Data Structures and Algorithms for the affiliated/associated colleges of University of the Punjab, Lahore, Pakistan.

MS/M. Phil Thesis Co-supervised

- On Using Text Matching Techniques for Process Matching
- Towards a Ranked Manual Annotation for Querying Process Models
- Modified Greedy String Tiling Algorithm for Process Model Matching
- The Impact of Human and System Generated Textual Descriptions on Process Matching

MS/M. Phil Thesis Supervised

- Assessment of Flows and Sediment Yield at Dam Sites
- Assessment of Soil Salinity through Remote Sensing and GIS
- Assessment of Urbanization and Urban Sprawl Analysis through Remote Sensing and GIS: A Case Study of Faisalabad, Punjab Pakistan
- Soil Productivity Variation Analysis in the Agriculture Zone of the Punjab Province
- Comparing Different Techniques of Remote Sensing and GIS to Identify Soil Salinity

Publications

- Samad, Nida, Muhammad Hamid Chauhdry, Mehwish Ashraf, Muhammad Masood Saleem, Qudsia Hamid, Umair Babar, Hassan Tariq and Muhammad Shahid Farid. "Sediment yield assessment and identification of check dam sites for Rawal Dam catchment." *Arabian Journal of Geosciences* 9 (2016): 1-14.
- Rana, Maria, Khurram Shahzad, Rao Muhammad Adeel Nawab, Henrik Leopold and Umair Babar. "A Textual Description Based Approach to Process Matching." *PoEM*(2016).
- Safder, Qurratulain and Babar, Umair "Assessment of Urbanization and Urban Sprawl Analysis through Remote Sensing and GIS: A Case Study of Faisalabad, Punjab, Pakistan." (2019).

Achievements

- Ranked among the top 10 teachers of the college (PUCIT) in fall 2009, fall 2014, spring/fall 2015, 2016, 2017, 2018, 2019(spring) semesters in teachers' semester evaluation from the students.
- Won performance evaluation award from University of the Punjab, Lahore, Pakistan in years 2015-16, 2016-17 and 2017-18.
- Won research grant from University of the Punjab, Lahore, Pakistan in years 2011-12, 2014-15, 2015-16.
- Won research grant from ICT R&D for undergraduate final year project in 2010.
- Obtained chairman's merit scholarship throughout the BSCS and MSCS degree programs.
- 1st Position holder in MSCS with CGPA 3.98.
- 5th Position holder in BSCS with CGPA 3.59.
- 1st Position holder in college in intermediate.

Skills

- Having a very good knowledge of object oriented system design and implementation.
- Possesses a good knowledge of Data Structures and Algorithm and Theory of Automata.
- Have good communication and writing abilities of Urdu and English languages.

Research Interests

- Information Systems

Hobbies

- Very keen to read Islamic books, those groom my knowledge about it.
- Love to play computer games, especially strategic categories of games.
- Watching TV for sports related news such as cricket, soccer etc.

References

Will be furnished on if required.