

Dr. Amjad Ali

Assistant Professor,

Department of Computer & Software Technologies, University of Swat, Khyber Pakhtunkhwa, Pakistan.

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Education: Ph.D in Engineering (Computer Science), Session (2013-2016)
Department of Informatics
Gyeongsang National University, South Korea.
CGPA: 4.32/4.5

MS in Computer Science, Session (2006-2007)
Department of Computer Science
University of Peshawar, Pakistan.
CGPA: 3.2

Research Area: Real-Time Systems.

Training:

- Linux Administration (Pakistan Software Export Board).

Experience:

- Lecturer, Department of Computer Science University of Peshawar, March 27, 2001 to September 4, 2011.
- Coordinator, Department of Computer Science University of Peshawar. Dec 15, 2003 to September 4, 2011.
- Assistant Professor, Department of Computer Science, Shaheed Benazir Bhutto University Dir, Khyber PukhtonKhwa, Pakistan. September 5, 2011 to January 18, 2012.
- Chairman, Department of Computer Science, Shaheed Benazir Bhutto University Dir, Khyber PukhtonKhwa, Pakistan. October 4, 2011 to January 18, 2012.
- Assistant Professor, Department of Computer & Software Technologies, University of Swat, Khyber PukhtonKhwa, Pakistan. January 19, 2012 till date.
- Incharge, Department of Computer & Software Technologies, University of Swat, Khyber PukhtonKhwa, Pakistan. February 9, 2017 till date.

- Supervised PhD, MS, M.Sc., BS-CS, BS-IT and BS-SE student's projects in various areas such as Real-Time Systems, Databases, Artificial Intelligence, Networking, and Operating Systems.

Selected Research Publications:

- Amjad Ali, "Selecting predicate logic for knowledge representation by comparative study of knowledge representation schemes", IEEE ICET, 2009.
- Amjad Ali, "Knowledge representation of Urdu text using predicate logic", IEEE ICET, 2010.
- Amjad Ali, "Representation in computational logic", VDM publishing, Germany, 2011.
- Amjad Ali and Kyong Hoon Kim, "Compositional Real-Time Scheduling of Mixed-Criticality Real-Time Systems," SDSN 2014.
- Amjad Ali and Kyong Hoon Kim, "Cluster-based multicore real-time mixed-criticality scheduling", **journal of systems architecture**, 2017.
- Amjad Ali et al., "Toward energy-efficient data management design for sustainable cities and societies", **Transactions on Emerging Telecommunications Technologies**, 2019.
- Amjad Ali et al., "Creating sentiment lexicon for sentiment analysis in Urdu: The case of a resource-poor language". **Expert Syst. J. Knowl. Eng.** 2019.
- Amjad Ali et al., "Secured Internet of Things by Fixed-Priority Compositional Real-Time Mixed-Criticality Scheduling", **International Journal of Grid and Distributed Computing**, 2020.
- Amjad Ali et al., "Overhead Based Cluster Scheduling of Mixed-Criticality Systems on Multicore Platform". IEEE Access, 2023.

Previous Membership:

- Member of Quality Enhancement Cell, University of Peshawar.
- Member of Organizing Committee in "International Conference on Language and Technology", organized by Department of Computer Science University of Peshawar.
- Member of Organizing Committee in "International Conference on Networking", organized by Department of Computer Science University of Peshawar.