

zhb Higher Education Research Colloquium Series



Dr. Mehwish Waheed

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Students' perceptual quality standards for judging knowledge quality

This presentation draws on students' perception of quality of knowledge gained from e-learning content and presents a 5-dimensional scale to evaluate knowledge quality. A detailed knowledge quality conceptualization and operationalization have supported the instrument development. It is a novel attempt to quantify knowledge quality, unlike the adaptations of data quality and information quality measurement tools. A qualitative-quantitative sequential mixed-method design was employed to empirically validate the instrument. Data is collected from undergraduate and postgraduate students in two different phases. Exploratory and confirmatory factor analysis confirmed the 5 dimensional second-order perceived e-learning knowledge quality model – comprised of 33 sub-dimensions. The scale is inclusive of five key dimensions (Intrinsic knowledge quality, Contextual knowledge quality, Representational knowledge quality, Accessible knowledge quality, and Actionable knowledge quality) used to assess the quality of knowledge gained from e-learning content. The proposed dimensions are the benchmarks that provide insight for educators in considering the intrinsic, contextual, representational, accessible and actionable aspects of content before making it available for students' use.

Dr. Mewish Waheed is a guest researcher at the Professorship of Higher Education holding a two-year fellowship of the Georg Forster Research Fellowship of the Humboldt-Foundation. She graduated with a PhD in Information Science from the University of Malaya, Kuala Lumpur (Malaysia) in 2015. She holds a Master of Science in Technology Management from the International Islamic University, Islamabad, Pakistan, and a Bachelor of Computer Science from the University of Peshawar, Pakistan. Before joining the Center of Higher Education at TU Dortmund, she was a Research Assistant at the Asia-Europe Institute, University of Malaysia, Kuala Lumpur and worked as eLearning Administrator in Allama Iqbal Open University, Islamabad, Pakistan.

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Vogelpothsweg 78 (CDI-Building), Room 114

Professorship of Higher Education

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