Information Systems Quality Measurement and Evaluation

This dissertation thesis includes a concept of an information system evaluation based on the criteria provided with respect to the philosophical, historical and cultural context and using contemporary methodologies well proven in industrial quality assurance systems. The reasoning and proper foundations are made with the sampling methodology through the selected sources interpretation. A comprehensive and an integral approach apply paradigms inspired with for example Aristotle, Giordano Bruno, Confucius and also with the contemporary authorities in philosophy and arts (Belohradsky), information science (Wiener, Shannon, Nielsen), management (Ducker), economy (Stieglitz), psychology and sociology (Kohoutek, Koukolik), quality assurance systems and software and information technology quality assurance systems based on the CSN, EN, ISO and IEC standards. The essence and the nature of information are put to the relation with a value in its social, economic and ethic sense. Based on the information systems quality model designed on such basis, using the statistic methodologies and the seven year data retention pool, the managerial information systems quality evaluation is given with respect to the related processes in the electric generation facilities environment.

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