Effectiveness of Adopting Software Quality Frameworks in Software Organizations: A Qualitative Review

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Abstract : This paper surveys the effectiveness of software process quality assurance frameworks, with some focus on Capability Maturity Model Integration (CMMI) - a framework that has become widely adopted in software organizations. The importance of quality improvement in software development, and the differences in the outcomes of quality framework implementation between Middle Eastern and North African (MENA-region) countries and non-MENA-region countries are discussed. The greatest challenges met in the MENA region are identified, with particular focus on Egypt and its rising software development industry.
Keywords : software quality, software process improvement, software development methodologies, capability maturity model integration

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