Abstract

Software engineering complexities and challenges are multifold and does not only rise from technology advancements. Human factors related to software engineering is a key aspect which has been overlooked by many organizations and also received less research focus. The research which is a part of a longer study strives to build a competency framework targeting software engineers. Considering a future with more agility and product engineering this study is conducted through mixed mode methods taking Sri Lankan software engineering undergraduate students as a sample to determine the future outlook. The technical competencies identified would support undergraduates, academics and industry training providers with fresh insights from a research perspective. Further it will help undergraduates who intend to join the industry to sharpen their technical competencies.

References

- Liu, S. (2013, October ). Engineering the Success of Software Development. IT Pro -
IEEE, pp. 4 - 5.


Essential Technical Competencies for Software Engineers: Perspectives from Sri Lankan Undergraduates


**Index Terms**

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