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A proposed value-based software process tailoring framework

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Software process tailoring is the act of customising the existing software process to suit the specific software project. Current practices in software process tailoring consider project characteristics as the sole input to tailor the software process. In addition, it maintains the traditional approach whereby all the project characteristics factors are treated as being equally

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Using grounded theory approach to identify value-based factors in software development

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important. There is a need to shift the traditional software process tailoring approach to a value-centric approach by using a value-based software engineering concept. This study aims to propose a value-based software process tailoring framework to tailor the software process. A review was conducted to analyse the components embedded and input factors in the selected prior studies on software process tailoring. The framework proposed in this study uses value-based factors as input factors to tailor the software process. The framework also considers value prioritisation component, which rank the process elements according to value priority. © 2015 IEEE.

Author keywords

software process; software process tailoring; value-based factor; value-based software engineering

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