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gRUP – A globalized approach to software engineering. (English) Zbl 1184.68178
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Summary: This research has the main objective of enhancing the Rational Unified Process to better address the emerging new Globalization and Internationalization requirements of modern software, focusing on integrating the Globalization Processes, Artifacts, Roles, Activities, and best practices into the Rational Unified Process (RUP). RUP is a well established Software Development Process (SDP) that intends to guarantee quality by controlling the project schedule, budget, communication, productivity, and trustworthiness. Meanwhile, the gRUP – produced in the course of this research – intends to guarantee that the developed software is ready for globalization, matches the required globalization and internationalization requirements, and ensures the implementation of best practices and tests to guarantee that the produced software is globalization ready. gRUP is constructed by incorporating essential globalization activities and artifacts into RUP, and incorporates an additional Globalization Discipline to the standard nine RUP disciplines.

MSC:

68N99 Theory of software

Keywords:

globalization; localization; software engineering; development process

Software:

gRUP

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