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Knowledge-Based Processes in Software Development



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Saqib Saeed (Bahria University Islamabad, Pakistan) and Izzat Alsmadi (Prince Sultan University, Saudi Arabia)

Recent growth in knowledge management concepts has played a vital role in the improvement of organizational performance. These knowledge management approaches have been influential in achieving the goal of efficient production of software development processes.

Knowledge-Based Processes in Software Development focuses on the inherent issues to help practitioners in gaining understanding of software development processes. The best practices highlighted in this publication will be essential to software professionals working in the industry as well as students and researchers in the domain of software engineering in order to successfully employ knowledge management procedures.

Topics Covered:

- Global Software Engineering
- Knowledge Management in Software Development
- Knowledge Management Methodologies
- Process Models
- Software Development Processes
- Software Quality Standards
- Tools and Techniques

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Saqib Saeed is an assistant professor at the Computer Science department at Bahria University Islamabad, Pakistan. He has a Ph.D. in Information Systems from University of Siegen, Germany, and a Masters degree in Software Technology from Stuttgart University of Applied Sciences, Germany. He is also a certified software quality engineer from American Society of Quality. His research interests lie in the areas of human-centered computing, computer supported cooperative work, empirical software engineering and ICT4D.



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