Center for Code Excellence

Expertise for outstanding software quality

The Center for Code Excellence (CCE) is the starting point for small-to-medium enterprises for the analysis, development and transfer of modern software development methods, techniques and processes.

Our aim is to make employees, in both development and technology and management, more aware of the importance of software quality, which can help to avoid higher software maintenance costs and simplify software testing, maintenance and expandability. With our services, we want to put companies in a position to develop excellent, sustainable and leading-edge software – in other words, to achieve code excellence.

The research activities of the CCE are transparent, design-oriented, and empirical in nature. We focus on quality and optimization aspects at both the engineering level and the code level, including:

- **Software Engineering Intelligence** – Quality assurance, testing and maintenance
- **Software Engineering Management** – Agile, DevOps and continuous development
- **Software Engineering for Machine Learning** – Version control, continuous deployment (CD) and processes (MlOps)

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Concepts
Development of processes e.g., (automated) testing, scouting and preparing business cases for technologies and methods

Prototypes
Proof of concepts e.g., cloud-native computing approaches, demonstration of technologies e.g., MLOps, Kubernetes

Qualification
Evaluation/benchmarking of processes, architectures and code, hands-on trainings e.g., dev workflows, clean code/architecture, MLOps

CCE Quick Checks
Potential analysis, benchmarking, retrospective of development activities

CCE Trends
Trend radar and knowledge base for new software technologies

CCE Blog
Transfer activities such as training materials and surveys

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fortiss CCE Quick Checks

With our analysis formats we would like to help your organization to identify potentials for methods and competences and measures for the improvement of your development activities in order to use software successfully and future-oriented.

Software Engineering Quick Check
Development of digital products and software systems

Requirements Engineering Quick Check
Optimization of requirements management

AI Engineering Quick Check
Development of AI-/Machine Learning-based products

Energy Quick Check
Optimization of energy consumption

CCE Quick Checks

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