

Technological approach to the reflection development of future engineers

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Abstract

Developing in modern Russia, engineering education is aimed on mastering specific competencies and self-development of future engineers with reflection taking a special place. Technological approach to the reflection development of future engineers can motivate students for professional work in the process of education, helps students to evaluate future professional activities, leads to self-development, self-organization and criteria restructuring of the their own activities. The paper presents the technological and pedagogical bases of the reflection development process, the main structural elements and stages of the process, testing reflection development of future engineers in Kazan Federal University. © 2013 IEEE.

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Keywords

engineering education, future engineers, reflection, reflection development, technological approach