

The Evolution of the Rapid Application Development (RAD) Concept

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Abstract— The Rapid Application Development (RAD) methodology was invented to meet rapidly changing business needs by emphasizing rapid prototyping and iterative feedback over extensive up-front planning. However, to meet the strong market demand for RAD skills, Higher Education (HE) institutions need to develop and make available training courses to a wide range of potential students in all EU countries, including those from non-IT backgrounds. This paper focuses on the RAD concept evolution analysis based on bibliometric analysis of scientific publications and this concept incorporation into HE courses to faster and cheaper way of digital transformation. The obtained results show that RAD processes evolve without influencing essential SE processes. However, we observed that their sub-processes and activities change in actual RAD processes depending on the main business goal. This research was supported by Erasmus+ KA220-HED project “Embracing rapid application development (RAD) skills opportunity as a catalyst for employability and innovation” (RAD-Skills).