Abstract

Nowadays, populations are concentrated in large cities exceeding millions of peoples; the need for massive infrastructure constructions and services becomes the priority for governments and local municipality institutions. However, the realization of such projects still problematic and conventional techniques quickly become inadequate. Project Management Body of Knowledge (PMBOK) recommendations, Lean and Agile methods have been proposed to facilitate the effective project deployment and organization for minimizing resources, costs, durations and risks. The purpose of this paper is to compare the effect of PMBOK standard, Lean and Agile methods on the project management processes to make tangible profits. It is intended to propose some solutions for organizing the project execution more effectively. The results of this presentation show that PMBOK, Lean and Agile strategies are complimentary and can improve the visibility when performing complex projects.

References

Integrating PMBOK Standards, Lean and Agile Methods in Project Management Activities

- http://www.dsdm.org
- Highsmith, J., Agile Software Development Ecosystems, Addison-Wesley. 2002
- Seuffert M., Karlskrona test, A generic agile adoption test, Piratson Technologies, Sweden, 2009
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- Hibbs, C., S. Jewett and M. Sullivan, The Art of Lean Software Development: A Practical and

Index Terms

Computer Science

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Keywords

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