QUALITY METRICS FOR IT PROJECT MANAGEMENT

Felician ALECU, PhD, Bucharest, Romania, alecu.felician@ie.ase.ro Paul POCATILU, PhD, Bucharest, Romania, ppaul@ase.ro Radu MARSANU, PhD, Bucharest, Romania, radu.marsanu@ie.ase.ro

Abstract: Using metrics and indicators for the evaluation of the IT projects management have the advantage of providing rigorous details about the required effort and the boundaries of the IT deliverables. There are some disadvantages, as well, due to the fact the input data contains errors and the value of metrics depends on the quality of data used in models. Despite of its age, the Pareto Principle is still a strong mechanism constantly used in quality control of projects from various areas, including the IT field.

Keywords: Project Management, Information Technology, Metrics, Pareto Principle

References

- [1] Project Management Institute, PMBOK Guide, 4th Edition, 2008
- [2] C. Bodea , Handbook of Project-Based Management. Bucharest: Ed. Economică, 2002
- [3] C. Bodea, "Project Oriented Society: from a Theoretic Concept to a Concrete Economic Reality," Economy Informatics, vol. 2, no. 1/2002, pp. 13-19
- [4] Asociația PM România, Glosar Managementul Proiectelor. Bucharest: Ed. Economică, 2002
- [5] I. Ivan and C. Boja, Metode statistice în analiza software. Bucharest: ASE Publishing House, 2004
- [6] Pocatilu P., IT Project Management Metrics, Proc. of the 9th International. Conference on Informatics in Economy, 18-19 May 2007, Bucharest, pp. 1063-1069
- [7] P. Pocatilu, "IT Projects Performance Indicators," Informatica Economică, vol. 11, no. 4/2007, pp.122-125
- [8] J.M. Juran, Juran's Quality Handbook, 5th ed., McGraw-Hill, 1999
- [9] J.M. Juran, Quality Control Handbook, 4th ed., McGraw-Hill, 1988