## **ERP system implementation in companies**

## Ludmila Duca<sup>1</sup>, Sergiu Zaporojan<sup>2</sup>, Daniela Istrati<sup>3</sup>

 Department of Software Engineering and Automatic Control, Technical University of Moldova, Ştefan cel Mare bvd., 168, MD2004, Chişinău, Republic of Moldova, ludmila.duca@ati.utm.md, ORCID: 0000-0002-1376-4152, www.utm.md.
Scientific Research Dept., Technical University of Moldova, Ştefan cel Mare bvd., 168, MD2004, Chişinău, Republic of Moldova, sergiu.zaporojan@adm.utm.md, ORCID: 0000-0001-5928-4229, www.utm.md.
Department of Computer Science and Systems Engineering, Technical University of

Moldova, Ștefan cel Mare bvd., 168, MD2004, Chișinău, Republic of Moldova, daniela.istrati@ia.utm.md, ORCID: 0000-0002-1607-9273, www.utm.md.

Keywords: ERP, processes, modules, functionality

**Abstract.** This paper presents an review on the Enterprise Resource Planning (ERP), which are software systems that help run businesses, supporting automation and processes in human resources, procurement, finance, supply chain, services, manufacturing, and more. ERP helps to efficiently manage all the core business processes needed to run a company and provides the automation, integration, and intelligence that is essential to efficiently run all day-to-day business operations. Top management needs instant visibility into the company's performance to make timely decisions.

The company that implemented the ERP system has only to gain both financially and the time of data processing and making important decisions. An ERP system is made up of integrated modules or business applications that talk to each other and share common a database. ERP systems can accept some of the company's requirements either in terms of the basic functionality of the system or different extensions depending on the company's needs.

## References

[1] Bueno, S., & Salmeron, J.L. (2008). TAM-based success modeling in ERP. Interacting with Computers, 20, pp. 515–523

## **COMPUTER SCIENCE**

[2] Karim, J., Somers, T.M., & Bhattacherjee, A. (2007). The impact of ERP implementation on business process outcomes: A factor-based study. Journal of Management Information Systems, 24(1), pp. 101-134.

[3] Philipp Rutz, Christoph Kotthaus, Aparecido Fabiano Pinatti de Carvalho, Dave Randall, Volkmar Pipek, The Relevance of KES-Oriented Processes for the Implementation of ERP Systems: Findings From an Empirical Study in German SMEs, Proceedings of the ACM on Human-Computer Interaction, Volume 7, Issue CSCW2, Article No.: 313, pp 1 - 34.

[4] Arun Madapusi, Derrick D'Souza, The influence of ERP system implementation on the operational performance of an organization, International Journal of Information Management, Volume 32, Issue 1, February 2012, pp. 24-34.