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## СОВРЕМЕННЫЕ ИНФОРМАЦИОННЫЕ ТЕХНОЛОГИИ

*Применение информационных  
технологий в экономике и управлении*

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### **PROPRIETARY SOFTWARE OF COMPLEX PLANNING AND PROJECT MANAGEMENT**

Работа посвящена вопросам сложного планирования и управления проектами.

Nowadays in the world market of information systems of project management there is a huge number of software solutions that allow both small and large organizations to support and implement the project activities. Undoubtedly, each of them differs by the level and variety of the provided functionality, the quality of the processes of use, execution and operation.

*Microsoft Project* is a multi-user integrated software system, which allows managing projects of various scale and complexity [1]. It is used as the main tool for optimizing projects in time and cost and, as a rule, includes the implementation of the following functions:

- 1) calendar-network planning (determining the expected duration and time of project completion, visualizing data in the form of Gantt charts and network graphs, finding a critical path, identifying critical tasks, calculating time parameters of events, etc.);
- 2) management of the budget and financial costs;
- 3) management of material and non-material resources.

*ConceptDraw Project* is a single-user proprietary project management software, which provides basic functions for calendar and network planning, creating reports and visualizing data in the form of network graphs, Gantt and PERT (Project Evaluation and Review Technique) charts. The main goal of PERT-analysis is to estimate the time required to complete the tasks on terms and reduce the cost and time of project completion.

Thus, under the conditions of the necessarily existing calendar and resource constraints of the project, the main task of PM is, of course, to ensure

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completion of the project within the deadline. Therefore, PMs are obliged to ensure qualitative and accurate planning, regular tracking and adjustment of project plans, which can be implemented by means and methods of the project management software systems.

### **Bibliography**

1 Chatfield, C. Microsoft Project 2016 Step by Step / C. Chatfield, T. Johnson. – 1<sup>st</sup> printing, Online Training Solutions, Inc. (OTSI), 2016. – 516 p.