

O. Kovalenko,

Candidate of pedagogical sciences, associate professor
(Berdyansk state pedagogical university)

USING OF MODELLING METHODS DURING STUDY OF COMPUTER TECHNOLOGIES OF PROJECT MANAGEMENT

At present stage of the development of higher education the actual is forming at students skills of intensive using of informational technologies in all spheres of activity. To achieve this aim, it is made a great effort, but there is a problem of disparity of knowledge, got in universities, future applied activity connecting with automatization of the process of management; unavailability of specialist to real professional conditions in the production because the lack of skills of fast and adequate reaction to external conditions, especially if the activity associated with projecting. To solve these tasks it is necessary to create at students the ability to organize, analyze, summarize the problem, to find effective solutions. One of the main components of informational engineer-teacher's culture can be regarded the ability to move from formal knowledge to semantic interpretation and vice versa. Among the existing methods and tools which help to solve these problems, it is necessary to pick out the modelling with further computer realization of models.

Foreign and domestic experience in the field of project management shows that modelling is an integral part of projecting. This question is dedicated in great number of work. M. Widman notes that in last two decades there were attempts to explain the complex subject of project management by means of modelling. Modelling he understands as a kind of graphical representation, and notes that this is one of the most important unresolved question in project management. Our Ukrainian scientists also paid great attention to modeling and using the graph theory in project management. D. Novikov considers the construction of institutional arrangements for project management on the base of models. B. Burkov investigates using of graph theory in solving problems of network planning and project management.

Purpose of this article is to highlight the modeling methods which used in project management; to open the experience of using the graph theory and computer models during teaching the computer technology of project management.

Thus, among methods of teaching of computer technology of project management the important place is occupied methods of mathematical modeling, including graph theory and computer modelling. Structuring the project, which includes construction of structural models (labor, organizational, resource and cost-effective structure) conveniently to make using tree graphs, and for the calendar grid there are models in the form of grid graphs. Software which is intended for automated project of management, combine the comfort and functionality in building of computer models of project.