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## THE MECHANISM OF INNOVATION MANAGEMENT WITHIN THE FRAMEWORK OF THE EP

according to the Department of «Engineering Systems and Networks»

**Introduction.** Approaches and methods of managing innovative processes in the education system are aimed at changing its most diverse aspects. Innovation activity refers to a set of scientific, technological, organizational, financial and commercial activities – they collectively lead to innovation. The concept of "innovation" means innovation, novelty, change.

Innovation as a means and process involves the introduction of something new. In relation to the pedagogical process, "innovation" means the introduction of new things into the goals, content, methods and forms of education and upbringing, the organization of joint activities of a teacher and a student. Innovation is considered as the result of innovative activity.

### 1. Methods of innovation management

Innovation management in the educational process is carried out using various methods, which represent a system of rules and procedures for solving various tasks of innovation management.

Both general management methods used in all areas of educational activity and special ones specific only to innovations are used.

Special methods include the following methods of identifying opinions:

- interviews, questionnaires, sample surveys, expertise;
- analytical methods (system analysis, scripting, network planning);
- methods of generating ideas (brainstorming, business games and situations);
- assessment methods (risk, chances, effectiveness of innovations);
- decision-making methods (decision tables, decision tree);
- argumentation methods (presentations).

The transition to interactive teaching methods and technologies, as a rule, requires significant financial and technological resources capable of providing the necessary interconnection of participants in the educational process, support for multiservice technologies.



## **2. Innovation management mechanism**

Innovation management in the process of working with students should be carried out comprehensively and include the following areas.

1. Work with the teaching staff aimed at creating prerequisites for innovative pedagogical activity.
2. Work with students, involving the study and consideration of their interests and needs, creating conditions for their adaptation in a technical university.
3. Improvement of the educational process management system.
4. Improvement of the innovation process management system (control, analysis and regulation of innovation activities) in order to maximize the use of available resources.
5. Implementation of information support for innovation activities.

## **3. Criteria for evaluating innovation management**

The result of innovative activity, in our opinion, may be changes in the object of transformation, the quality of educational, pedagogical, and managerial activities.

To measure the effectiveness of innovation management, the following evaluation criteria were developed:

- the level of awareness of teachers about innovations that can be mastered by many;
- identification of problems associated with the introduction of innovations;
- integration of innovation goals into the overall goals of teaching students at a technical university;
- controllability of innovation processes.

It should also be noted that innovative pedagogical activity is implemented in stages, since it takes some time to master new forms of work, scientific and methodological support, teacher training is necessary, and the adaptation of the team to work in new conditions. The human factor plays an important role in the implementation of innovative activities – the degree of readiness of all participants in the educational process for the upcoming innovation activity.

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