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HIGHER EDUCATION QUALITY IMPROVEMENT IN THE FIELD OF INFORMATION TECHNOLOGIES IN UKRAINE

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The growing demand for high-quality training of specialists in the field of information technologies (IT) [1] both in engineering and scientific directions is evident today. The specificity of the information technologies field requires constant adaptation of the educational process of universities to the needs of the modern IT-labor market.

The priority task of modern higher technical education is the organization of interaction and cooperation between higher educational establishments and IT-enterprises at different levels. We have a successful experience of such interaction in Ukraine

within the framework of the European Educational Initiatives project [2].

An important aspect of the qualitative training of IT professionals is the flexible combination of the basic technical disciplines and those aimed at studying specific practical tools. The volume of the latter should be at least 30-35% of the total volume of disciplines. The rapid development of practical tools determines the need for continuous updating of the corresponding methodological materials that determines the need to simplify the formal requirements for their design format, replacement with the electronic materials of arbitrary form, etc.

The involvement of specialists from IT-industry in the teaching of practical disciplines is very important. Moreover the formal recognition of various categories of teaching staff, such as science lecturers and practical lecturers, with relevant requirements and criteria for their activities evaluating is required.

It is necessary to increase the level of diploma and research works quality control and practical significance. It can be provided by involving senior students to the actual processes of IT-enterprises during the courses of practice of various types as well as IT-representatives participation in the implementation of scientific projects of the department including doctoral and postgraduate research. It is obviously necessary to provide every research work by a certain team of developers for its scientific results full implementation and integration.

In recent years relevant IT sectors have been created in Ukraine [3, 4, 5] aimed at organizing and implementing arrangements to improve the quality of technical education at the state level. Such cooperation between IT sectors and universities needs further development and implementation. The integration of the scientific and commercial institutions activities will

significantly improve the quality of higher technical education, as well as the quality and significance of conducted scientific research.

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