

Humanization of higher technical education: the axiological aspect

Modern higher technological education has the most important social function: formation of an all-round skilled specialist with well-balanced high professionalism, intelligence, creative approach to solve issues, high social activity and responsibility for economic-ecological and human cost of engineering and technological developments.

As the aim of the modern higher engineering education is not only fundamental training of a specialist but a formation of his professional, social and psychological, creative and personal features, it makes difference of the role of Humanities position in hierarchy of education courses.

The Russian higher education system is mostly due to its integration process into the world educational space. Such factors as multilevel educational structure formation, educational standards development, which are relevant to requirements of modern civilized development, tendency of fundamentalization and humanization of engineering education determine the necessity of integrated examination of issues to train a specialist at engineering and technology in the framework of occupational mobility and competitive ability as well as in the framework of his development as social and humanity-based person. Competitive ability ensuring of a young specialist in the modern labour market may exist, if a level in the profession-oriented training of a future engineer meets his willingness to independent qualitative solvation of actual workplace multi-criteria problems. Therefore, the humane component of higher engineering education should be strengthened rather than to have a new matrix, foundation, paradigm where a new design of the modern Russian higher engineering education will be based. Such of issue can be available to solve for engineering universities as their status supposes that students obtain universal knowledge – professional, personal and communicative – which service a base for the alumni's competitive ability.

The main issue of the modern lectures is to give knowledge rather than to let students know of dimensionality and riches of Humanities concepts, to make them understand of human cultural variety, complexity and ambiguity of human perspective of mankind.

At the same time it is necessary to point out that the Humanities certainly has the upbringing function, contributing to form public position, patriotism, the sticky thoughts to preserve historical-cultural heritage.

In recent times the Humanities (social sciences) had upbringing rather than ideological functions contributing to form outlook relative to its time. Nowadays Humanities teaching must be aimed to determine humanities values over class, party, confessional, national, and other corporative ideas. Practically, a curriculum must be totally deidealized and apolitical.

The Humanities continually draw attention of students who is interested and capable in scientific research. That gives an opportunity to involve them into research activity on the 1-2 academic years. So, the students receive not only experience of research work but they study the sources and historiography, fill the results correctly, and also get a valuable experience of public speaking, have a skill of science discuss, opponency, develop evidentiary base.

The main aspect of a student's research work is upbringing of personal features, creative thoughts, enlarging of outlook, development of humane basis for any specialization and sphere.

There is an issue for higher education institutions under contemporary conditions: to train the modern professionals to have advanced and creative skills for working with social and cultural knowledge, including to master and develop their intelligence and cultural level perfectly, to achieve moral and physical perfection of their personality. This task is quietly difficult, for single institutions – unreachable.

However, today, XXI century is admitted to be a century of humane culture, knowledge on the basis of which the humanity can mount technocratic approach in the procedure of comprehension of world, its changes.

In this context, the modern engineering university is a university of Humanities and Engineering to give graduates high professional attitudes as well as overstrict humane training with the aim of the realization of the inevitability of erasing the boundaries between engineering and humanitarian activities, the need to create a new relationship with the environment, society, between people, nations and civilizations. Thus, the humanization of higher technical education should be one of the main directions of modernization of higher education institution.