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Research Article

IMPROVING THE METHODOLOGY OF PREPARATION FOR INNOVATIVE ENGINEERING PROFESSIONAL ACTIVITIES BY TEACHING THE SCIENCE OF "FUEL LUBRICANTS" IN HIGHER EDUCATION INSTITUTIONS

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ABSTRACT

In the article, the content and essence of preparing future engineers for professional activity in the teaching of "Fuel and Lubricants", which is one of the general professional subjects taught in higher education institutions, is detailed.

KEYWORDS

Innovative development, interactive methods, creative ability, engineering professional activity, and cluster models.

INTRODUCTION

Considerable work has been carried out in our country on the development of market economy mechanisms aimed at the development of modern science, technology and technology and their targeted implementation. The priority tasks defined in the Action Strategy for the further development of the Republic of Uzbekistan, such as "promoting research and innovation activities, creating effective mechanisms for the implementation of scientific and innovation achievements" and ensuring the development of innovations in the education system from the main areas of activity of the Ministry of Innovative Development, are competitive engineers in the higher education system demands the need to prepare personnel for innovative activities.

Currently, in the teaching of "Fuel and Lubricants" in higher education institutions, in many cases, reproductive methods of education are widely used,

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which do not develop students' creative abilities, do not help them to work with information and to identify, analyze and synthesize its main content. A modern specialist is required not only to be a connoisseur of his field and to acquire information in this direction, but also to be able to use it appropriately in various professional situations.

In higher education institutions, along with other subjects, the subject of "Fuel and Lubricants" has great potential in guiding students to the profession and forming and developing their professional knowledge.

In order to effectively use these opportunities in the lessons, first of all, it is necessary to pay special attention to the structure of the content of the subject in an interesting way for the students, taking into account the age characteristics of the students. In order to do this, we have to abandon (get out of) the patterns that have been formed until now and become dogmatic, and look for non-traditional methods, methods that increase students' interests and creativity, in the preparation of graphic exercises and assignments for students. there is a great opportunity for us to use such methods, methods and practical tasks.

The use of new pedagogical technologies and information communication tools in teaching "Fuel and Lubricants" in higher education institutions is one of the urgent issues.

When improving the effective teaching methods of teaching "Fuel and Lubricants" to students using interactive methods, it is necessary to pay attention to the following:

- study and analysis of the latest achievements in the field of innovations in science, as well as modern methods of organizing the educational process;
- highlighting the ways of active implementation of highly effective modern educational and innovative technologies, advanced foreign experiences, as well as the global Internet network, multimedia systems and information and communication technologies in the educational process;
- When creating a theoretical database with new content in the field of "Fuel and Lubricants":

development of a comparative analysis of professional competencies and engineering paradigms in the preparation of future engineers for innovative engineering professional activities in higher educational institutions;

development of a cluster model reflecting the purpose, content, method, principle, form and means of education in developing students' ability to engage in innovative engineering professional activities;

improvement of the methodology of preparing students for innovative engineering professional activities through integrated teaching of engineering methodologies and educational methods in higher education institutions;

it will be necessary to develop criteria for evaluating the level of formation of students' preparation for innovative engineering professional activity and to conduct pedagogical experiments and to analyze the problems of mathematical and statistical processing of the obtained results.

REFERENCES

1. Мирзиёев.Ш.М. 2017-2021 йилларда Ўзбекистон Республикасини ривожлантиришнинг бешта устивор йўналиши бўйича Ҳаракатлар стратегияси.Тошкент.2017 й.
2. Ишмуҳамедов Р., Абдуқодиров А., Пардаев А. Таълимда инновацион технологиялар (таълим муассасалари педагог-ўқитувчилари учун амалий тавсиялар). – Т.: Истеъдод, 2008.-180 б.

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3. Сабирова Д.А. Мультимедиа тизимлари ва технологиялари. Ўқув қўлланма -Тошкент, 2013й.
4. Абдуқодиров А.А., Пардаев А.Х.Масофали ўқитиш назарияси ва амалиёти. –Т. Фан, 2009й.
5. Бегимкулов У.Ш. Педагогик таълимда замонавий ахборот технологияларини жорий этишнинг илмий-назарий асослари. Монография. -Т.: Фан, 2007й.
6. Ismatullayeva, N. R. (2021). On the Introduction of E-Learning Portfolio in the Educational Process. Current Research Journal of Pedagogics (2767-3278), 2(09), 35-37.