

## TEACHING AND METHODS OF ATOMIC AND NUCLEAR PHYSICS IN CONTINUING EDUCATION

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### Abstract

Today, the improvement and further development of the education system is a global demand. In the world, the problem of developing independent thinking skills of Lifelong learning professionals is relevant in the field of education. In the context of globalization in accordance with the UNESCO Convention on Technical and Vocational Education, it is important to develop students creative thinking and creative abilities through the creation and implementation of innovative technologies of educational services based on labor market requirements.

### Introduction

In international pedagogical practice, computer technology plays an important role in the formation of important professional and personal qualities in the correct orientation of students in specific disciplines. Therefore, in today's technical revolution (The Fourth Industrial Revolution), as a result of rapid changes in the quality requirements for future professionals, their professional and creative independence, technical thinking skills are important. At the same time, their skills such as professional motivation, diagnostics and free creative thinking, management, self-activation, finding and processing positive technical information, excellent use of information technology tools to further improve the overall professional quality of students and serves to develop. The education system of our country is being reformed to train independent, free-thinking and creative-minded teachers who meet modern requirements, have thoroughly mastered advanced technological practices, and are competitive in the international labor market. One of the priorities of the Action Strategy for the further development of the Republic of Uzbekistan is to "further improve the system of continuing education, increase access to quality educational services, and continue the policy of training highly qualified personnel in accordance with modern needs of the labor market." Therefore, the improvement of practical methods of formation and development of technical thinking skills of future personnel remains one of the most pressing requirements of the time.

It is no secret that the development of the exact sciences raises the economic and social development of the republic to a high level. To further improve the teaching of atomic and nuclear physics, to pay special attention to this area of physics in the system of continuing education, to provide the younger generation with more information and knowledge in this field, to improve the field, vital energy leads to the identification of a more advanced solution

to the problem. Unfortunately, very little attention is paid to this area in secondary schools. However, in all developed countries, the main energy source is nuclear power plants. In the last years of independence, the scientific work carried out in our country in the field of "Atomic and Nuclear Physics" has significantly increased.

The Decree of the President of the Republic of Uzbekistan "On the Strategy of Actions for the Further Development of the Republic of Uzbekistan" also pays special attention to the development of specific sciences. Because today we can see that in the study of the direction of development of developed countries, special attention is paid to physics and other specific sciences.

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