PEDAGOGICAL SCIENCES AND TEACHING METHODS

INTERNATIONAL CONFERENCE

2021

15 NOVEMBER

ISBN 978-955-3605-86-4

PEDAGOGICAL SCIENCES AND TEACHING METHODS: a collection scientific works of the International scientific conference (15 November, 2021) - Copenhagen:2021. ISSUE 7 – 272 p.

Languages of publication: dansk, English, русский, беларуская, limba română, uzbek,

The compilation consists of scientific researches of scientists, post-graduate students and students who participated International Scientific Conference "PEDAGOGICAL SCIENCES AND TEACHING METHODS". Which took place in COPENHAGEN on 15-November, 2021.

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PEDAGOGICAL SCIENCES AND TEACHING METHODS

VOLUME 1 , ISSUE 7
November 2021

Collection of Scientific Works

Copenhagen "Science Edition" 15 November 2021

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QUALITY EDUCATION IS A GUARANTEE OF A COMPETITIVE SPECIALIST IN AN INNOVATIVE SOCIETY

When Uzbekistan gained its independence, broad ways of economic and social development and cultural and spiritual renewal were opened. Therefore, one of the pressing issues is the technical re-equipment, modernization of technology and technology in all spheres of the country, as well as the development of telecommunication and computer communication systems that meet modern international requirements [6].

Currently, a very important factor in human life is higher education. An important component in the formation of information competence is the ability to use ready-made software products in their professional activities. The primary goal of modern engineering education is that it is necessary to prepare a competitive personality. In most parts of the world, innovative engineering education is now on the path of development. Unfortunately, not every university graduate is a competitive person because it is not enough to have a high level of education and professional skills. It is also important at the same time to have psychological training and the ability to realize the tasks. Maintaining a high level of education is the main factor in social and economic progress and the most important condition for the sustainable development of any state, and this requires the improvement of the entire system of higher education [2]. Currently, a very important factor in a person's life is higher education. "Maintaining a high level of education is the main factor of socio-economic progress and the most important condition for the sustainable development of any state, and this requires the improvement of the entire system of higher education" [1]. For most of the world, innovative engineering education is currently on the way to development. And this education is currently aimed at the formation of specialists not only with certain knowledge in the field of technology and technology, but also personal qualities that contribute to becoming a competitive specialist in practice. Almost immediately, students are shown the connection of the studied material with their future engineering activities, the prospects for a technical and innovative

society. And, of course, the question arises of getting a high-quality engineering education. What is the first thing to understand?

The primary goal of modern engineering education is that it is necessary to prepare a competitive personality. Unfortunately, not every university graduate is a competitive person, because it is not enough to have a high level of education and professional skills, it is important, along with this, to have psychological training and the ability to implement the assigned tasks. “The quality of education can differ greatly from university to university - it is in all countries of the world and Uzbekistan - therefore it is correct to talk about the quality of training at technical universities, which determine the“ face ”of the country's engineering corps” [2]. Engineering education is distinguished by a large content, a significant proportion of heuristic and non-standard labor actions, and above all, it is mental intellectual work. “The role of engineering education is not only to ensure the mass character of the engineering profession and the development of technical sciences but also to ensure the formation of a special layer of people whose activities are aimed at changing the subject world through the implementation of scientific and technical innovations. It is this aspect of the matter that is acquiring the greatest importance today, since the development of innovative systems, the formation of scientific and engineering teams capable of conducting world-class research and development is on the agenda today. Now there are not just engineers - there are software engineers, design engineers, technologists, designers, etc. At the same time, the most qualified specialists should have the most in-depth knowledge in certain areas of engineering education ”[3]. Now, when a nanotechnology industry is being created in the country, in the development of which technical universities are actively involved, the need for fundamental training of engineers becomes even more obvious. Engineers solve entirely one main problem - the creation and operation of technical objects that transform materials, energy, and information into a more useful form. The need to increase the productivity of engineering labor has led to its significant differentiation.

One of the main areas of activity of universities in scientific research, as a result of which new knowledge appears, new technologies are created, therefore the formation of promising training programs for engineering specialists should become the basis for the formation of an innovation-oriented policy in the field of technology and technology development. “The use of new technologies that have transformed the traditional form of education allows

students to present and understand complex theoretical material, which forms an increase in students' cognitive activity. The use of electronic courses increases the level of mastering of the material in question among students "[4-7].

Modern engineering education implies the need to regularly update the practical part of the curriculum, focusing on the latest development trends in the relevant industry. Indeed, in the 5-6 years that pass from the day a student enters a university and until he receives a diploma of graduation, any academic program, even taking into account the latest (at the time of admission) technologies, is hopelessly outdated.

Over the past decades, irreversible changes have taken place in the mechanisms of competition, which have determined the shift from the quality of technology to the quality of a person. The competitiveness of a product, organization, industry, region, the country depends, first of all, on the competitiveness of a specialist. The team spirit in engineering is not just the ability to respect and understand each other; it is end-to-end design, division of labor, competition. Only in a competitive environment can a real engineer be raised who can create a product. Only in global competitions can an engineer succeed as a professional.

The competitiveness of a specialist correlates with success in both professional and personal activities. Therefore, when choosing engineering education as the basis of your life, you must first listen to yourself. Engineering thinking is a special picture of the world and the universe, the ability to think outside the box and design more and more new ideas inside oneself. And, in general, a high-quality engineering education is a guarantee of a competitive specialist only when the engineer is at heart, and not just an "inscription" in the crust of a diploma.

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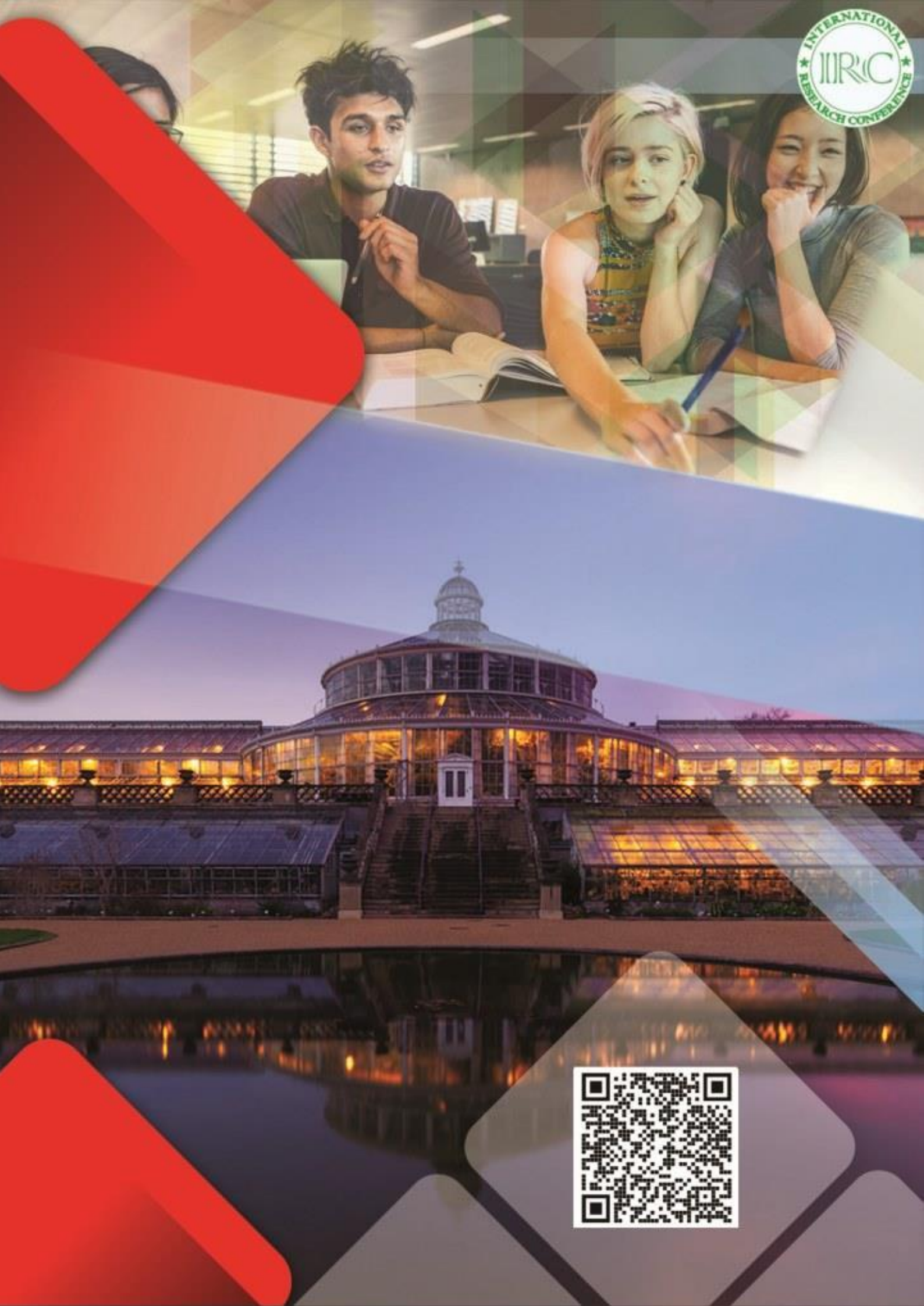
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