



**JOURNAL OF ADVANCED
SCIENTIFIC RESEARCH**

ISSN: 0976-9595

Editorial Team

Editorial Board Members

Dr. Hazim Jabbar Shah Ali

Country: University of Baghdad , Abu-Ghraib , Iraq.

Specialization: Avian Physiology and Reproduction.

Dr. Khalid Nabih Zaki Rashed

Country: Dokki, Egypt.

Specialization: Pharmaceutical and Drug Industries.

Dr. Manzoor Khan Afridi

Country: Islamabad, Pakistan.

Specialization: Politics and International Relations.

Seyyed Mahdi Javazadeh

Country: Mashhad Iran.

Specialization: Agricultural Sciences.

Dr. Turapova Nargiza Ahmedovna

Country: Uzbekistan, Tashkent State University of Oriental Studies

Specialization: Art and Humanities, Education

Dr. Muataz A. Majeed

Country: INDIA

Specialization: Atomic Physics.

Dr Zakaria Fouad Fawzy Hassan

Country: Egypt

Specialization: Agriculture and Biological

Dr. Subha Ganguly

Country: India

Specialization: Microbiology and Veterinary Sciences.

Dr. KANDURI VENKATA LAKSHMI NARASIMHACHARYULU

Country: India.

Specialization: Mathematics.

Dr. Mohammad Ebrahim

Country: Iran

Specialization: Structural Engineering

Dr. Malihe Moeini

Country: IRAN

Specialization: Oral and Maxillofacial Radiology

Dr. I. Anand shaker

Country: India.

Specialization: Clinical Biochemistry

Dr. Magdy Shayboub

Country: Taif University, Egypt

Specialization: Artificial Intelligence

Kozikhodjayev Jumakhodja Hamdamkhodjayevich

Country: Uzbekistan

Senior Lecturer, Namangan State University

Dr. Ramachandran Guruprasad

Country: National Aerospace Laboratories, Bangalore, India.

Specialization: Library and Information Science.

Dr. Alaa Kareem Niamah

Country: Iraq.

Specialization: Biotechnology and Microbiology.

Dr. Abdul Aziz

Country: Pakistan

Specialization: General Pharmacology and Applied Pharmacology.

Dr. Khalmurzaeva Nadira - Ph.D., Associate professor, Head of the Department of Japanese Philology, Tashkent State University of Oriental Studies

Dr. Mirzakhmedova Hulkar - Ph.D., Associate professor, Head of the Department of Iranian-Afghan Philology, Tashkent State University of Oriental Studies

Dr. Dilip Kumar Behara

Country: India

Specialization: Chemical Engineering, Nanotechnology, Material Science and Solar Energy.

Dr. Neda Nozari

Country: Iran

Specialization: Obesity, Gastrointestinal Diseases.

Bazarov Furkhat Odilovich

Country: Uzbekistan

Tashkent institute of finance

Shavkatjon Joraboyev Tursunqulovich

Country: Uzbekistan

Namangan State University

C/O Advanced Scientific Research,

8/21 Thamocharan Street,

Arisipalayam, Salem

THE ROLE OF ELECTRONIC PLATFORMS IN TEACHING PROGRAMMING LANGUAGES IN AN ELECTRONIC EDUCATIONAL ENVIRONMENT

**Bobomukhamedova Shoiraguzal Agzamjon Kizi- Associate Professor of the
Department of Methods of Teaching Computer Science of Tashkent State
Pedagogical University named after Nizami, PhD.**

Abstract. The article substantiates the relevance and demand for electronic platforms in an electronic educational environment, the didactic basis for improving the methodological system of teaching programming languages in an electronic educational environment based on blog technology, and highlights the need for teaching programming languages in an electronic educational environment, the functions and educational properties of blog-technology.

Keywords: electronic educational environment, platform, blog-technology, integrativeness, creativity, diagnostics, collaboration, dynamism.

In the modern picture of global educational institutions, advanced pedagogical and modern information and communication technologies are being introduced into practice, including new approaches to learning. Based on the prospects for the use of information and communication technologies in education at the International Forum “Education 2030”, UNESCO is conducting systematic work to improve the quality and level of education, publicly available open online courses, the structure and platform of information and communication technologies that promote learning and management [7].

The world's educational and research institutions conduct scientific research on the creation, development and dissemination of innovations, the organization of open, flexible, individualized, modern pedagogical processes that create new knowledge. Scientific research is being conducted to improve blog- technology in the education system, organize modern educational processes in higher educational institutions, and improve the electronic educational environment for teaching subjects based on blog-technology.

The changes taking place in the world, as well as the need for further development of our Republic, as well as other areas of activity in the conditions of modern globalization, require a radical reform of the education system, the use of a modern approach to modernizing the system of training qualified personnel.

During the study, foreign electronic educational platforms designed for teaching programming languages were studied, in particular, a comparative analysis of the directions, content, content, and forms of knowledge control of such educational platforms as Codecademy, JavaRush, ITVDN, Hexlet, Stepik, LiveEdu.tv was carried

out. The analysis showed that modern educational technologies include such digital technologies as a blog, wiki, web quests, and cloud technologies.

In addition, national educational platforms Onlinedars, Texnoman, Uzbekcoders, EduOn, Dasturlash tillari & Texnologiya, Mohirdev were also analyzed. These national platforms mainly include such traditional components as texts, videos, presentations and test tasks. Based on the analysis, it was concluded that the integration of blog-technology, which is one of the modern educational technologies, when teaching programming languages serves to increase the effectiveness of education.

In the scientific works of L.G. Noskova [1], E.D. Patarakin [4] emphasize that blog technology includes such basic components as information (fact, presentation of events) and reflection (reflection of the described phenomenon, the result of perception and understanding), forms in students the skills of operational work with new information, ideas about the ability to accumulate and transmit it.

The role of blogging technology in education is multifaceted; the use of blogging technology in the educational process helps to increase efficiency, create an environment for discussion, increase student motivation, develop self-development skills, creativity, eliminate fear and uncertainty regarding the skills of using digital technologies, in-depth study of the material and thinking.

Teaching programming languages is important in preparing future computer science teachers as competitive personnel in the context of digitalization.

As a result of the analysis of the functions of using blog technology in the educational process, such educational characteristics of blog technology in the process of teaching programming languages in an electronic educational environment were identified as integrativeness, dynamism, diagnostics, collaboration, creativity (see: Fig. 1).

Integrity, which is one of the educational properties of blog technology when teaching students programming languages, allows for the integration of various software resources into the educational platform. Dynamism allows for dynamic generation of pages, which does not require reconfiguring pages after changing any aspect of the blog. This involves the user generating all the blog pages based on the use of a database and templates.

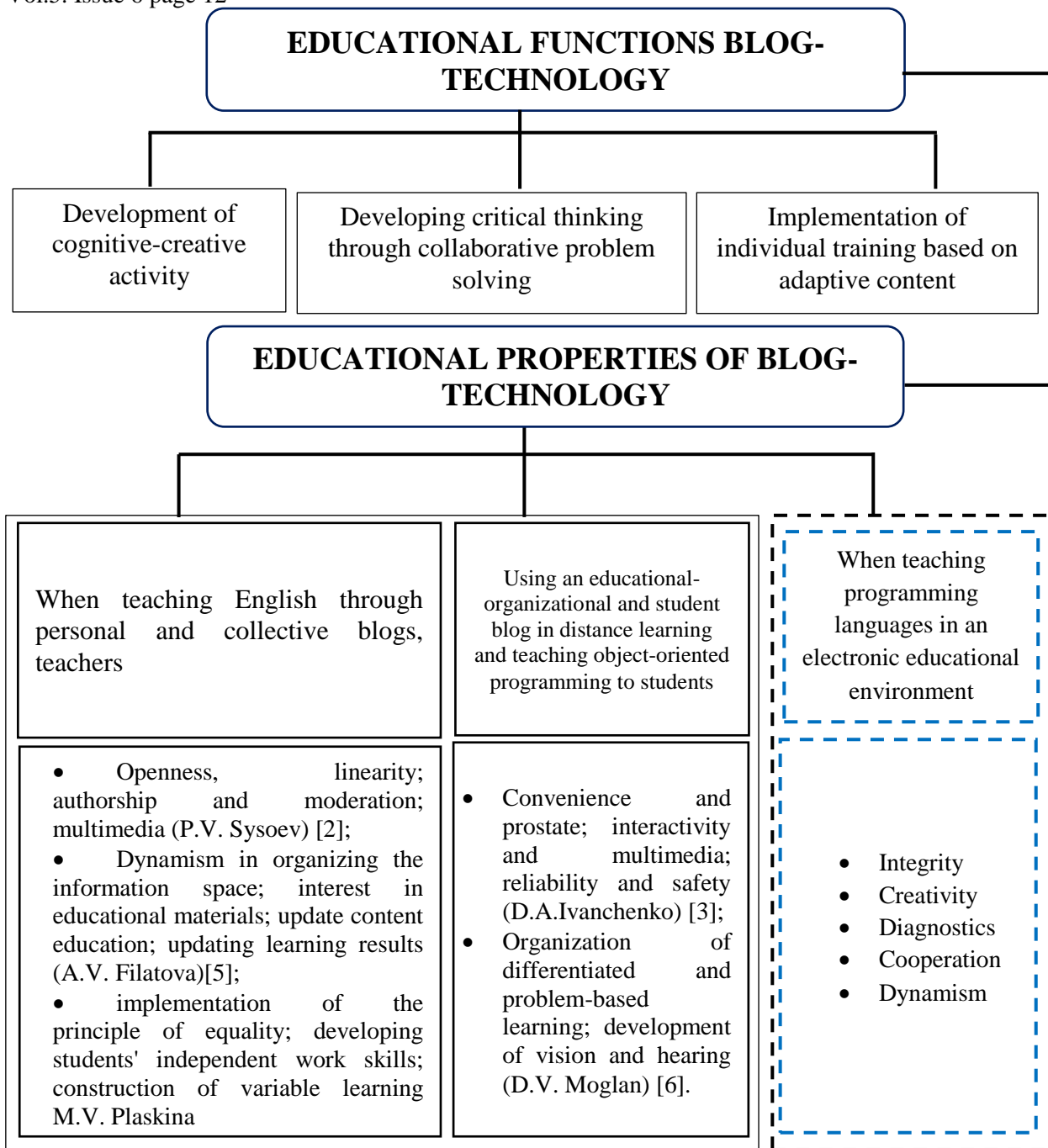


Figure. 1. Educational functions and properties of blog technology

The ability to integrate into learning assessment programs and create surveys, tests, and assignments to determine the results of students' educational and cognitive activities when teaching programming languages reveals the diagnostic properties of this technology. In addition, the possibility of using programming languages in establishing cross-industry connections between participants when creating projects was reflected in collaboration. The property of creativity serves to develop creative abilities as an optimal resource for developing creative ideas and conceptual projects through programming languages.

Bibliography

1. Носкова Л.Г. Дневник как средство формирования языковой личности // Педагогика. – М.,2010. – №2. – С.37-43.

2. Сысоев П. В. Блог-технология в обучении иностранному языку. Язык и культура. -2013. - № 4. - С. 115-127.

3. Иванченко Д.А. Перспективы применения блог-технологий в Интернет-обучении // Информатика и образование. – 2007. – № 2. – С 120–122.

4. Патаракин Е.Д. Педагогический дизайн совместной сетевой деятельности субъектов образования: дисс.канд. пед.наук. – Санкт-Петербург., 2015. -319 с.

5. Kizi, R. N. K. (2020). The role and importance of international experience in improving the educational process and teaching information technology in education. European Journal of Molecular and Clinical Medicine, 7(2), 6257-6272.

6. Bobomuxamedova, S. A. (2021). Elektrom ta'lim muhitida dasturlash tillarini o'qitishning metodik tizimini blok-texnologiyasi asosida takomillashtirish. Pedagogika, 1(3), 85-89.

5.Филатова А.В. Оптимизация преподавания иностранных языков посредством блог-технологий: дис. кандидата педагогических наук. – Москва: 2009. – 197 с.

РАХИМОВА, Н. Х. К. (2019). МЕТОДЫ ИСПОЛЬЗУЕМЫЕ В МЕЖДУНАРОДНОЙ ПРАКТИКЕ В ОБУЧЕНИИ И ОЦЕНКИ ИНФОРМАЦИОННЫХ ТЕХНОЛОГИЙ В ОБРАЗОВАНИИ. In Высшее и среднее профессиональное образование как основа профессиональной социализации обучающихся (pp. 406-409).

Bobomuxamedova, S. A. (2021). Dasturlash tillari fanini o'qitishda blogtexnologiyasining o'rni va ahamiyati. TDPU ilmiy axborotlari, 1(6), 172-178.

6. Моглан Д.В. Методика обучения объектно-ориентированному программированию бакалавров направления: педагогическое образование в условиях сетевого сообщества: дис. ... канд. пед.наук: - Санкт-Петербург: 2015. -250 с.

7.<https://en.unesco.org/themes/ict-education/international-forum-2017>