

SPECIAL ISSUE



DIGITIZATION IS THE FUTURE OF MEDICINE



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**ABSTRACT BOOK OF THE III INTERNATIONAL STUDENT
CONFERENCE “DIGITALIZATION- THE FUTURE OF
MEDICINE”**

TASHKENT-2025

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OLIV VA O‘RTA MAXSUS TA‘LIM VAZIRLIGI

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TOSHKENT DAVLAT TIBBIYOT UNIVERSITETI

**“RAQAMLASHTIRISH-TIBBIYOT KELAJAGI” MAVZUSIDAGI
III XALQARO TALABALAR KONFERENSIYASI TO‘PLAMI**

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МИНИСТЕРСТВО ВЫСШЕГО И СРЕДНЕГО СПЕЦИАЛЬНОГО
ОБРАЗОВАНИЯ РЕСПУБЛИКИ УЗБЕКИСТАН

МИНИСТЕРСТВО ЗДРАВООХРАНЕНИЯ РЕСПУБЛИКИ
УЗБЕКИСТАН

ТАШКЕНТСКИЙ ГОСУДАРСТВЕННЫЙ МЕДИЦИНСКИЙ УНИВЕРСИТЕТ

**СБОРНИК МАТЕРИАЛОВ III МЕЖДУНАРОДНОЙ
СТУДЕНЧЕСКОЙ КОНФЕРЕНЦИИ «ЦИФРОВИЗАЦИЯ-
БУДУЩЕЕ МЕДИЦИНЫ»**

Ташкент – 2025

5. CRISPR and Gene Editing CRISPR technology was further refined in 2024, enabling precise editing of genes associated with hereditary diseases. This innovation opens new frontiers in treating conditions such as sickle cell anemia and cystic fibrosis.

In conclusion, 2024 was a transformative year for the medical field, laying the groundwork for more patient-centered, technologically integrated, and efficient healthcare systems.

THE FIELD OF INFORMATION TECHNOLOGY AND ITS ROLE IN EDUCATION

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Information Technology (IT) has revolutionized various sectors of human activity, and education is no exception. The integration of IT in education has transformed traditional teaching and learning processes, making them more efficient, accessible, and engaging. One of the most significant contributions of IT in education is the accessibility it offers. Digital platforms and online resources have broken geographical barriers, enabling students from remote areas to access quality education. E-learning platforms, video conferencing tools, and online libraries provide opportunities for self-paced learning, benefiting students with different learning styles and needs. Furthermore, IT has introduced interactive learning methods that enhance student engagement. Multimedia presentations, virtual laboratories, and educational software create a dynamic learning environment.

These tools help in simplifying complex concepts and making the learning process more enjoyable. Instructors also benefit from IT through improved teaching strategies. They can use digital tools to prepare lessons, evaluate student performance through learning management systems, and receive immediate feedback.

IT enables data-driven decision-making, helping educators identify students' strengths and weaknesses for personalized support. Moreover, IT fosters collaboration and communication among students and teachers. Online forums, group chats, and collaborative tools like Google Workspace encourage teamwork and the sharing of ideas, promoting a sense of community in the learning environment. Despite these advantages, challenges such as the digital divide, lack of proper infrastructure, and cybersecurity threats must be addressed.

Ensuring equal access to technology and training educators to use IT effectively are crucial for maximizing its potential. In conclusion, Information Technology plays a vital role in modern education. It not only enhances the quality and reach of education but also prepares students for a digital future. As technology continues to evolve, its thoughtful integration into education will be key to fostering a more inclusive and effective learning ecosystem.

TIBBIY TA'LIMDA INNOVATSION PEDAGOGIK YONDOSHUVLAR ASOSIDA TALABALARNING KLINIK KO'NIKMALARINI SHAKLLANTIRISH

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Hozirgi kunda tibbiy ta'limning dolzarb vazifalaridan biri – talabalarga faqat nazariy bilimlarni emas, balki amaliy ko'nikmalarni ham samarali ravishda oshirishdir. Tibbiyot sohasidagi ilmiy-texnikaviy taraqqiyot, yangi diagnostika va davolash usullari, shuningdek, bemorlar bilan ishlashning murakkabligi, ta'lim jarayonida innovatsion pedagogik yondoshuvlarning qo'llanilishini talab etadi. Pedagogikada amalga oshirilayotgan o'zgarishlar tibbiyot ta'limi uchun ham ahamiyatlidir, chunki tibbiy mahorat, tezkor qarorlar qabul qilish va murakkab klinik vaziyatlarda bemorga sifatli yordam ko'rsatish ko'nikmalarini rivojlantirish juda muhim.

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