

**THE ROLE OF THE "ONE MILLION UZBEK PROGRAMMERS"  
PROJECT IN INTRODUCING THE YOUTH OF OUR COUNTRY TO THE  
IT ENVIRONMENT ACCORDING TO THE "DIGITAL UZBEKISTAN -  
2030" STRATEGY**

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**Annotation:** This article has been elaborated on the reforms being carried out for the development of the IT sector in our Republic, including several decisions of the Cabinet of Ministers of the Republic of Uzbekistan on ensuring the implementation of the President's decree on the "Digital Uzbekistan - 2030 " strategy. In this regard, measures are being taken to increase the number of IT specialists, create opportunities for them and recruit them. Including, in order to ensure the development of the IT sector, the project "One million Uzbek programmers" was established in cooperation with IT Park and Coursera. To date, many young people are becoming more interested in the IT and programming fields, several international certificates have been obtained within the project, and opportunities such as reimbursement of costs for certificates and preferential loans for programming have been created.

**Keywords:** Digital Uzbekistan, IT company, IT specialist, IT-park, Inclusive digitalization, Start Up, IT industry, developer, One Million Uzbek Developers, training course, IT Park, IT Knowledge, training center, Coursera, platform, international certificate, innovative project , decision, project.

**Introduction.** It is not for nothing that today in our country, a lot of attention is paid to the improvement of the telecommunications infrastructure, digitization of industries and networks. 100 software projects have been developed within the framework of digital transformation in order to develop our republic's fields such as education, banking, finance, customs, agriculture, geology, cadastre.

More than 500 new IT companies were established, and 475 million dollars of foreign direct investment entered the sector. These indicators are the result of reforms in the field of IT in our country.

**Literature analysis and methods.** According to the decree of the President of the Republic of Uzbekistan No. PF-6079 of 05.10.2020 on the approval of the "Digital Uzbekistan - 2030" strategy and measures for its effective implementation, a number of works have been carried out in the field of digitalization of our Republic. is being increased. In particular, at the video selector meeting held under the chairmanship of President Shavkat Mirziyoyev on December 20, 2023 regarding "priority tasks for the development of information technologies in networks and regions and digitization of state administration", specific proposals were made to create additional conditions for the development of the IT sector. was considered, according to which:

- IT companies are accommodated in vacant buildings in the regions free of charge for a period of one year, that is, they can operate without paying rent;
- providing computers and hardware to talented programmers with the condition of paying in installments within a year;
- Covering up to 15% of the salary costs for one year for companies employing more than 50 IT specialists;
- compensation of 50 percent of the costs of attracting foreign experts and participation in international conferences to exporting enterprises;
- The opening of its subsidiaries in Germany and Saudi Arabia to bring the IT-park to the international level;
- Due to new opportunities, it is possible to double the volume of IT services in 2024;
- In 2024, the project "At least two programmers in every neighborhood" will be implemented;
- Ensuring employment of 20,000 people within the framework of the "Inclusive Digitization" project with US partners;

- Current issues such as the 2026 International Informatics Olympiad being held in our country for the first time were discussed and it was decided to create conditions for the implementation of these issues.

The field of programming in Uzbekistan has been showing great development in recent years. State enterprises, academic institutions and innovative projects, the educational system play an important role in the expansion of this field and the production of successful projects. The following directions confirm the development of the software industry:

In order to ensure the development of the IT sector in our republic, great attention is paid to the education system and personnel training. In secondary education, professional education and higher educational institutions, programming subjects are taught, and IT courses and courses are being opened to acquire specialties in the field of IT. In addition, IT park centers and other educational centers in our republic have organized courses in various areas of IT, where citizens of different ages of our republic can study in the direction they are interested in. they are coming.

Innovative projects in the field of programming and "StartUp" projects are being supported by state bodies and private business projects. Through these projects, highly qualified and young programmers in the field of IT are achieving success on the basis of self-presentation, new approaches, and wide opportunities are being created for them.

**Discussion.** In order to increase the development of the IT sector in Uzbekistan, cooperation and integration work is being carried out with developed countries and specialists working in the IT sector. Cooperation projects between the public and private spheres, with IT companies to be useful in this sphere and to make wide use of digitized technologies for industry specialists are being created. For example, on August 15, 2023, the Minister of Digital Technologies of Uzbekistan, Sherzod Shermatov, and the Deputy Administrator of the United States Agency for International Development (USAID), Isabelle Coleman, signed

a memorandum of understanding between the two organizations in Washington, USA. Within the framework of the memorandum, the US agency supports the implementation of the "Digital Uzbekistan-2030" strategy. USAID also helps develop the country's information technology and communications industries by engaging youth and women in IT, connecting technical education institutions, supporting the private sector, and participating in other IT initiatives.

In Uzbekistan, work is being carried out on the basis of new and independent approaches in the field of IT specialists and programming. Through these approaches, opportunities are created for students and programmers to learn independently. The use of high-speed technologies is developing in our republic. This has been helping to develop innovative approaches in the field of programming and to develop new approaches. Through these, developers and technology companies create conditions that are important for developing innovative projects and developing themselves in the field of programming.

Prime Minister of the Republic of Uzbekistan Abdulla Aripov, Minister of Government and Future Affairs of the United Arab Emirates Muhammad bin Abdullah al-Qarqawi, United Arab Emirates Minister of Artificial Intelligence Technologies Umar bin Sultan al-Alama, at that time the Minister of Public Education of the Republic of Uzbekistan Sherzod Shermatov, at that time the Minister of Foreign Trade and Investments of the Republic of Uzbekistan The ceremony was held with the participation of Sardar Umurzokov, representatives of the Ministry of Information Technologies and Communications Development of Uzbekistan.


The goal of the "One Million Uzbek Coders" project is to organize courses through the Uzbek language online platform (<https://uzbekcoders.uz/>) and train young Uzbek programmers. Courses are organized in the field of education, and these are:

- Android programming;
- Full-Stack Development;

- Frontend Development;
- Data analysis;

When using the platform, students are required to register first and choose one of the courses and learn from the video tutorials on the topics in it. Studying in these courses is planned to be 120 hours, at the end of each stage students will have to complete homework and laboratory work and submit the work online. Students who successfully complete the course will receive a special certificate in their chosen field. The convenience of these courses is that students do not have to place, time, special requirements and can study the rest of their courses at the same time.

**Results.** At the same time, Jo'rakulova Marjona, the leader of the Primary Organization Council of the Youth Union of the Shahrizabz State Pedagogical Institute, a student of the third stage of the foreign language course, and our incoming student Jo'rakulova Marjona, was also considered the first student of the "One Million Uzbek Developers" project, successfully completed the courses and <https://uzbekcoders.uz/success-stories/2> wrote the following comments on the web page:



**MARJONA JO'RAQULOVA**

""Assalomu alaykum! Men Marjona Jo'raqulova, yoshim 19 da. Qashqadaryo viloyati Qarshi shahrida tug'ilib o'sganman. Ustozim tufayli "Uzbekcoders" loyihasi haqida bilib oldim va shu zahotiyoyq ta'lim va rivojlanishimni boshlashga qaror qildim. Platformada kurslarni tugatgandan so'ng, davlat buyurtmalari asosida ijtimoiy loyihalar va loyihalarni tashkil qilishni boshladim. Olgan bilimlari asosida "WomenUp", "Yil talabasi", "Mirzo Ulug'bek merosxo'rlari" kabi qator respublika tanlovlarida g'oliblikni qo'lga kiritdim. Kelgusida tanlagan yo'nalishlar bo'yicha o'qish va amaliyotda davom etaman".

The Digital Leadership Forum was held in Tashkent, the capital of our country, on July 7-9, 2023. The purpose of the forum is to develop Uzbekistan's IT sector and become a leading outsourcing center in the region. To achieve these goals, IT Park and Coursera will present a new project based on "One million Uzbek programmers". joined forces. This is a great opportunity for learners to get a quality education from top universities at an even lower cost with some free courses (8) and it has the following benefits:

1. **World class education:** uzbekcoders.uz offers educational courses of leading universities and world-class companies so that every citizen of Uzbekistan can get quality education along with foreign students. Citizens will be able to use this training online from their place of residence through cooperation with prestigious organizations such as Google, Amazon, Harvard and Yale University.

2. **Affordable price and payment:** The project offers affordable rates and convenient payment methods. <https://uzbekcoders.uz> registered citizens can choose 10,000 professional courses on the platform (8 courses are free), for an average price you will have access to 10,000 professional courses on the platform, and 8 of them are absolutely free. Payment can be made by local Uzcard or Humo cards without conversion to foreign currency. Tariffs start from 300,000 soums per month.

3. **Option to pay the course fee in installments:** IT Park's partner in the field of education - "IT Bilim" educational center to pay the fees for Coursera courses in installments favorable conditions and opportunity were created.

4. **Compensation for the costs of obtaining an international certificate:** Certificates obtained on Coursera are recognized all over the world, valued by local and foreign companies. It is even possible to reimburse the expenses incurred for the certificates.

5. **Interest-free loan for a laptop:** "On amendments and additions to some decisions of the Government of the Republic of Uzbekistan in connection with the expansion of opportunities for young people to acquire modern knowledge and professions" Republic of Uzbekistan According to the decision of the Cabinet of Ministers No. 617 of October 26, 2022, within the framework of the "One Million Developers" project, participants of the program have the opportunity to get a preferential loan at a 0% rate for the purchase of a laptop. This helps learners to purchase a laptop without additional financial costs for practical application of the acquired knowledge. The only requirement is the presence of an official Coursera certificate in the name of the student (citizen of the Republic of Uzbekistan aged

14-30). The loan is granted for 24 months, and its percentage is covered by the funds of the Youth Affairs Agency. The principal is paid by the borrower. Registration of documents Unified interactive portal of public services (<https://my.gov.uz/>) is done through

6. **A chance to win a laptop:** Uzbekcoders students can participate in the contest for the five best students. Winners with the most certificates will be eligible to win laptops. This competition is held regularly.

7. **Reimbursement of the costs of obtaining IT certificates.** Decision No. 95 of the Cabinet of Ministers of the Republic of Uzbekistan dated 17.02.2024 on additional measures to encourage young professionals with international IT certificates. winter and about covering up to 60% of the costs of obtaining these certificates, as the authorized body responsible for providing state services for covering the costs of obtaining international IT certificates - the Ministry of Digital Technologies, as the working body - the Ministry of Digital Technologies "Digital Education Development Center" state institution under In Chapter 2 of the Decision Annex, it is written that 30% of the costs of International IT certificates at the initial level, 40% at the intermediate level and 60% at the professional level will be reimbursed.

Our young people can widely use the opportunities given to such young people to develop the IT sector in our republic. The work of the head of our state Sh. Mirziyoyev and official organizations to develop the interest of the youth of Uzbekistan in the IT field and programming is of great importance for the development of the "Digital Uzbekistan - 2030" strategy. Such opportunities created on the basis of the cooperation between IT Park and Coursera and citizens using all the above benefits, especially our youth, can get quality education and strengthen their professional skills without leaving their homes.

Now young people have a question: If I pay so much money for some courses and get a certificate, where will the certificates go or how can I find a job, how can I close the loan if I don't work? This is a valid question, what can be the result of

the money spent on education, of course, parents send their children to extra lessons (tutors) during school hours to make them educated, and of course their children go to higher education. It seems that the funds they spent were not wasted. Sometimes it turns out to be the opposite, in which children have to wait for such a process for another 1 year, re-preparation and sometimes the words that affect the child's psyche, as a result of which the child becomes depressed and various diseases or the child chooses other paths in life. We see. Young people who have received an international certificate after completing the course work better on themselves <https://it-market.uz/> can search for jobs or post about what they know (IT degree and programming). This especially creates an opportunity for students to work as a part-time job, even in this field where girls and women programmers can work from their homes. They will be able to set their own hours and set their own fees depending on the type of service (or volume of work). There will be no lateness to work, road problems, meetings, special requirements of the organization like the work of the organization. In short, an empowered person can do the organization's work and do additional work. Without going to work abroad, he can earn honest wages through additional work in his own country, if necessary, without leaving his home.

Specialist teachers of the Department of Informatics and its Teaching Methodology of Shahrizabz State Pedagogical Institute F.E. Kadirov, M.M. Yakhiyakhanova, A.Sh. Kodirov, L.K. Tursunova, G'.Kh. Shamsiddinov and other teachers taught students about obtaining international IT certificates work is being done. Students receive international certificates <https://uzbekcoders.uz> and <https://www.coursera.org/> from web platforms registration in it the qualified teachers of the department about problems encountered, technical errors, ability to choose courses correctly, settings in the user profile, watching video lessons, completing tasks and working on test questions, viewing results and receiving certificates, seminars, are organizing additional classes. During the seminar, students who have received an international certificate have been providing



information on obtaining preferential loans or job search within the framework of the law in order to get a computer. During the seminar and practical sessions, the additional questions of the students were answered and the problems encountered were helped to be solved.

**Conclusion.** On the whole, For the development of our country and the implementation of future plans based on the "Digital Uzbekistan - 2030" strategy A lot of changes are being made in the field of programming in Uzbekistan, and state initiatives, innovative projects and integration in the field of IT are making it possible to increase this field to a high level. According to the decision of the Cabinet of Ministers No. 95 of February 17, 2024, citizens of the Republic of Uzbekistan between the ages of 14 and 31 will receive up to 60% of the costs of obtaining and studying for an international IT certificate and having a B2 and higher English language certificate. Citizens of

The Ministry of Digital Technologies of the Republic of Uzbekistan in cooperation with the DM "Center for the Development of Digital Education" in order to consolidate information about talented young people in the field of IT in the Republic of Uzbekistan <https://www.it-istedod.uz>- "IT talents" portal of Uzbekistan was created.

This process enables the creation of new approaches, innovative products and services in the field of IT and promotes the country in the field of IT regionally and internationally.

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