



THE NUMERICAL CONCEPT OF THE DEVELOPMENT OF THE ACTIVITIES OF A HIGH SCHOOL

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Annotation

In this article, the roles of improving the quality of education system, the criteria, indicators and ways of effectiveness them have been ensured.

Keywords

financial independence, digital technologies, scientific research, quality of education, academic activities

In the context of the needs of the social sphere and the economy, in order to strengthen the system of preparing highly qualified personnel based on foreign experience and international standards, to innovate and improve teaching methods and techniques, as well as to further strengthen the material-technical base and increase scientific potential of higher education institutions to enhance international ranking, the following directions are prioritized:

The Republic's educational institutions have been designated by the Government's Cabinet of Ministers Resolution No. 460 of July 30, 2020, "On measures to organize the activities of the Business and Entrepreneurship High School." According to this resolution, the High School aims to improve macroeconomic stability, deepen market reforms in the economic sectors, revitalize regional development, enhance entrepreneurship, and ensure the comprehensive development of regions, as well as prepare and enhance the skills of high-level management personnel and specialists, considered a higher education institution for improving skills and retraining.

In order to ensure the integration of modern science and education resources with business in its development concept, the following key areas should be recognized:

1. Improving the quality of education.
2. Introducing digital technologies and modern methods into the educational process.
3. Enhancing the effectiveness of scientific research, shaping the innovation infrastructure of science-business.
4. Ensuring financial independence and sustainability, strengthening material-technical supply.
5. Active involvement of stakeholders in the process of training high-level specialists.
6. Establishing effective mechanisms to combat corruption and ensure transparency.
7. Increasing investment attractiveness, promoting international recognition and competitiveness.

Measures for improving the quality of education include:

developing a credit-module system for the current educational programs of higher education institutions to enhance competencies related to each specialization by developing 2-3 subject blocks (modules) for each specialization;

developing educational programs for master's students focused on creative thinking, forming practical skills, adjusting their interests and training programs according to the needs of stakeholders, and obtaining step-by-step academic independence through approval and confirmation.

Improving the quality of independent study hours, obtaining independent education for master's students, critical and creative thinking, systematic analysis, shaping entrepreneurial skills, introducing methods and technologies aimed at enhancing competencies in the educational process, focusing on forming practical skills in the learning process, introducing innovative pedagogical technologies, educational programs, and teaching materials based on international educational standards into the learning process;

Enhancing the technology of the evaluation system for master's students' knowledge and ensuring its objectivity, including developing mechanisms to enhance a healthy competitive environment among master's students;

Developing mechanisms to improve the healthy competitive environment among master's students in mastering subjects;

Systematically improving the system for preparing, retraining, and enhancing the skills of high-level pedagogical staff based on advanced international experiences for higher education institutions;

Regularly enhancing the skills of specialists responsible for educational activities in higher education institutions;

Expanding the range of specialist disciplines taught in foreign languages in accordance with educational directions and specializations;

Regularly updating the library fund by purchasing additional or equivalent foreign literature, translating and publishing works, and expanding access to foreign literature;

Improving the mechanism for distributing the annual workload of professors-teachers who are authors of educational literature in order to allocate additional time for teaching based on the time spent on creating educational literature;

In all higher education institutions, improving the quality of educational services provided to master's students through feedback and peer review systems to enhance the quality of learning services;

Conducting an annual survey between master's students to study their academic activities, issues, learning process, and created conditions from foreign countries' experiences;

Organizing an annual survey between master's students to study their academic activities, issues, learning process, and created conditions from foreign countries' experiences;

Organizing courses for retraining and enhancing skills in master's programs with highly qualified professors-teachers and specialists in pedagogy and scientific activities, who have achieved excellence in teaching and scientific activities in the field of education and science;

Creating effective mechanisms for attracting highly qualified professors-teachers, scientists to the educational process, developing their activities based on specific indicators, and improving the evaluation system of their activities;

Enhancing the system of national and international evaluation certification in higher education institutions by improving the success of professors-teachers and master's students who have certificates in a systematic manner after mastering foreign languages.

In the framework of the "El-yurt umidi" program, enhancing the skills of professors-teachers in foreign countries through internships, including practical experience, training in master's and doctoral programs to enhance their professional skills;

Expanding the scope of training in accordance with the master's curriculum for practitioners with years of work experience, organizing systematic internships for professors-teachers in relevant field enterprises and organizations;

Improving the legal, economic, and social aspects of enhancing skills for specialists in all sectors and developing systems for retraining based on the principles of legal, educational, and methodological foundations, making extensive use of distance learning opportunities;

Advancing the preparation of personnel in external forms of education to ensure the uninterrupted learning of master's students who are employed, focusing on modern educational technologies based on numerical technologies;

Developing a methodological base for organizing and improving the content of practical and other

types of activities of master's students;

Implementing mechanisms for mutual exchange of experiences between higher education institutions;

Enhancing academic mobility programs for professors-teachers and doctoral students in cooperation with foreign higher education institutions;

Improving internal monitoring and accountability mechanisms to enhance the quality of education in higher education institutions.

In the process of introducing digital technologies and modern methods in education:

- providing highly skilled engineering and technical personnel for the digital economy;
- continuously developing the professional skills of teaching staff to ensure the integration of modern information and communication technologies and educational technologies;
- advancing distance learning services based on digital technologies, promoting the implementation of webinar, online, blended learning, and flipped classroom technologies;
- organizing distance learning programs based on modern information and communication technologies;
- expanding the use of electronic library systems that provide remote access, enhancing the professional skills of master's students by utilizing library resources and information databases, creating a system for disseminating information about electronic resources using QR codes in libraries to facilitate access to electronic resources via mobile devices;
- establishing an electronic database of scientific and technical information consisting of conference materials from higher education institutions, master's and doctoral dissertations, and utilizing plagiarism detection systems to ensure the authenticity of future scientific and technical information updates;
- enhancing the use of modern instructional products that are widely used internationally in education processes, tailored to the specificities of educational directions and specialties;
- streamlining various reports and data obtained from higher education institutions by transitioning from paper-based forms to electronic platforms through step-by-step integration into the "HEMIS" platform, creating an electronic system for monitoring the effectiveness of educational process participants;
- establishing a unified information platform for higher education that is actively updated and developed with the support of international financial institutions, providing information on educational methodologies, legal documents, statistical data, as well as state interactive services, facilitating the announcement of vacancies and online acceptance of applications for selection processes.

To enhance the effectiveness of scientific research activities in shaping the "science-business" innovative infrastructure:

- expanding foreign investments, increasing the scope of financial services, and organizing startup and accelerator centers in higher education institutions using funds from sources outside the budget;
- establishing "spin-off" companies focused on commercializing high-tech products and technologies, based on startup projects funded from sources outside the budget to implement the results of scientific research in high schools;
- developing mechanisms to strengthen the publishing activity of articles in influential international scientific journals;
- organizing the publication of a scientific journal in higher education institutions and ensuring step-by-step entry into Scopus and other international scientific-technical information databases;
- advancing fundamental, applied, and innovative scientific research;
- establishing a system for financially incentivizing professors, teachers with academic degrees and titles, and young scientific researchers with a high "Hirsch" index (h-index) to achieve international recognition of the scientific results of their activities funded from sources outside the budget;
- improving the quality of scientific research conducted at higher education institutions, creating mechanisms for providing statistical, technical, and other information, as well as accepting

relevant legal documents;

- achieving an optimal ratio of academic degrees and titles among members of the teaching staff;
- training researchers in scientific research institutions, providing support for their educational processes and scientific leadership, ensuring their participation in scientific work at the master's and doctoral levels in these research institutions, and protecting their interests;
- specializing in areas related to global trends in scientific research markets, producing and adapting them to regional development needs, enhancing the expertise of highly skilled professors and teachers in these areas;
- enhancing the innovative infrastructure of scientific activities by attracting competitive funding from international financial institutions;
- addressing existing issues in social and economic sectors through an innovative approach to scientific research activities, conducting extensive research on interdisciplinary issues;
- improving the scientific capacity of higher education institutions, modernizing the system for training scientific and pedagogical personnel through purposeful doctoral programs;
- expanding joint doctoral programs with foreign higher education institutions

To ensure financial independence and sustainability, as well as to strengthen the material-technical provision in the field of:

- transferring the high school to a self-financing system, ensuring financial sustainability, improving the system of payment for labor, and establishing effective and transparent mechanisms for financial improvement;
- taking into account the needs of the economy in terms of personnel, as well as increasing the rating of the high school and moving from the level of covering its own expenses to the system of independent determination of payment-contract amounts for master's specialties;
- developing activities related to the export of educational services and additional services of the high school;
- providing high educational institutions with modern digital products, creating effective mechanisms for regularly providing educational and scientific processes with educational resources;
- organizing innovative libraries, regularly updating their book funds with new educational literature;
- ensuring uninterrupted high-speed internet access for the high school, expanding opportunities for independent learning for students;
- expanding the possibilities for students, professors, and researchers to use electronic educational resources, electronic catalogs of modern scientific literature, and information databases for free.

In active recruitment of personnel for the preparation process of qualified specialists:

- Collaborating with candidates for positions in the distribution of courses based on the latest developments in the field of education and specialties, as well as organizing the distribution of hours for subjects related to specialization and technology based on the latest advances in the field.
- Shaping the topics of master's and doctoral dissertations based on real sector economic issues, as well as addressing local (regional, district, city, neighborhood, local object) problems and conducting in-depth research on topics in specific fields.
- Strengthening the connections between higher education institutions and production enterprises to organize activities using a cluster approach.
- Establishing conditions for master's students in relevant fields to engage in work activities outside of the educational process within specified timeframes.
- Implementing scientific and technical orders and grants, addressing additional solutions to existing issues in management, actively engaging experienced practitioners in the educational process, utilizing the infrastructure of production facilities and organizations, research institutions for mutual benefit.
- Developing a system for enhancing skills of pedagogical staff in entrepreneurial processes, utilizing extensive business experience, and attracting specialists without academic degrees to the

educational process, particularly by applying mechanisms for influencing the transition to recommended and honorary teaching positions in accordance with relevant field experience.

- Finalizing the arrangement of the order of effective organization of practical activities for company and institutions' classes and master's students, establishing a system for issuing certificates confirming practical knowledge.

- Creating mechanisms for organizing training programs, professional skills enhancement, and retraining courses based on recruitment requests from experienced practitioners through applications submitted to higher education institutions.

- Providing comprehensive support for the operational activities and employment of master's students in order to improve the structure of higher education institutions focusing on their practical activities and job placement, forming a list of potential employers and cooperation.

- Strengthening the activity of evaluation centers for assessing the knowledge and skills of graduates.

- Promoting collaboration between recruitment requests, research institutions, and higher education institutions in areas such as conducting research, commercializing research results.

- Ensuring rapid publication of scientific results from doctoral dissertations and increasing interest in scientific activities.

- Defining the amount and duration of grants in the selection of fundamental, applied, and innovative research projects, ensuring their commercialization and implementation.

- Identifying the relevance of graduates' skills to modern market demands in personnel training, conducting surveys among recruitment requesters to identify shortcomings and address them through collaboration between recruitment requesters

On the development of effective mechanisms to combat corruption and ensure transparency:

- Forming a team of experienced, ethical, honest, responsible professors and educators, clearly defining their responsibilities.

- Enhancing the accountability and quality of education services based on transparency and integrity in front of society, providing information on the quality of educational services based on community feedback.

- Eliminating bureaucratic barriers between professors and students, enhancing transparency in evaluation processes, ensuring justice in assessing students' knowledge.

- Strengthening the position of professors in the institution, organizing events to ensure the effectiveness of their profession.

- Ensuring transparency in the activities of higher education institutions, strengthening relations with civil society institutions, developing fast and modern ways of providing information to the community.

- Enhancing skills, preparing for scientific research and practical implementation, monitoring and evaluating, recruiting and appointing staff, ensuring transparency in other processes in the system.

- Optimizing the workload of professors in higher education institutions, improving the effectiveness of academic activities by developing modern information and communication technologies, enhancing the efficiency of university staff.

- Recruiting teaching staff in higher education institutions, ensuring justice and transparency in job selection, evaluating the performance of teaching staff based on the results of academic years, establishing new and effective mechanisms for community monitoring.

- Compliance with financial and legal documents in financing higher education institutions, implementing budget planning procedures and completing internal audit tasks, identifying and eliminating cases of corruption in a timely manner.

- Developing and implementing legal projects aimed at improving the formation of personnel ethics, ensuring compliance with norms of behavior, and addressing issues related to ensuring compliance with ethical standards in higher education institutions.

Expanding excellence, international recognition, and competitiveness in ensuring transparency:

- Developing education programs based on international education standards, deepening learning and analysis of foreign experiences, aligning education curricula with international standards based on

proposed recommendations;

- Expanding the range of study programs and specializations taught in foreign languages at higher education institutions, enhancing the faculty exchange program;
- Accepting candidates for master's and doctoral programs based on relevant legal and regulatory documents through interviews conducted in cooperation with foreign higher education institutions;
- Adopting a strategy for shaping the image of higher education institutions based on branding, creating a program for enhancing the brand image of higher education institutions;
- Enhancing the activities of personnel training based on joint educational programs with foreign higher education institutions, increasing the number of scientific conferences and seminars held in collaboration, implementing international scientific and educational projects;
- Organizing international joint education forums, conferences, and other events in collaboration with advanced foreign countries' higher education institutions and research centers;
- Regularly publishing essential information such as information on the employment of graduates in leading organizations and companies, study programs, master's specializations, scientific and technical capabilities, professors-teachers, infrastructure, achieved results on websites;
- Strengthening relations with international financial institutions, leading international organizations to enhance international cooperation in the field of education, supporting innovative projects that contribute to the benefits of the national education system. In conclusion, it should be emphasized that any educational institution operating within this concept contributes to an increase in the effectiveness coefficient.

Literature:

1. Economic analysis. Country, market, firm. Pod ed. Prof. V. E. Rybalkina. Textbook. - M.: Mejdunarodnye otnoshenia, 1999. - 304 p.
2. Abdullaev A., Muftaydinov Q., Aybeshov Kh. Small business management. – “Finance”, 2003. - 191 p.
3. Kenjabaev A.T. Sovremyonnoe soderjanie i ponyatie digital economy. Journal “Economics and business” theory and practice. No. 1-1 (71), 2021
4. Ganikhodjaev, B., Suyunov, D., Kenjabaev, A., & Kuvandikov, A. (2023). Development of digital economy in Uzbekistan is the basic direction. Economics and business: theory and practice, (3-1 (97)), 38-43.
5. Suyunov, D. Kh., & Hoshimov, E. A. (2018). Methodological aspects of evaluating the effectiveness of corporate management in joint-stock companies. “Economy and innovative technologies” scientific electronic magazine, 2.
6. Suyunov, D., & Hoshimov, E. (2018). Methodological aspects of otsenki effektivnosti korporativnogo upravleniya v aktsionernykh obshchestvax. Economics and innovative technologies, (2), 213-225.
7. Kenjabaev A.T., Abdullaev M.Kh. Stages and prospects of introduction of information and communication technologies in the monitoring of dangerous geological processes in the Republic of Uzbekistan. Geology and mineral resources. Geology and mineral resources. Geology and mineral resources. Scientific and practical journal. 5'2021
8. Kenjabaev A.T., Niyazov M. Sh. Uzbekistan as a new logistics digital ecosystem. Galaxy international interdisciplinary research journal (GIIRJ) ISSN (E): 2347-6915 VOL. 9, ISSUE 12, DEC. (2021).
9. Kenjabaev A.T., Valikhanov A.R. Post-pandemic perspectives for the development of digitalization in Uzbekistan International Journal of Management, IT & Engineering Vol. 12 Issue 9, September 2022, ISSN: 2249-0558 Impact Factor:
10. Kenjabaev A.T., Valikhanov A.R. Developing the digital economy impact on the country's economic growth. International Journal of Research in Economics and Social Sciences (IJRESS) Available online at: <http://euroasiapub.org> Vol. 12 Issue 09 September- 2022 ISSN: 2249-7382 | Impact Factor: 8.018|
11. <https://my.gov.uz>