



ISSN 2749-0866

TRANSNATIONAL JOURNAL OF SCIENCE AND HUMANITIES

# BERLIN STUDIES



**Möglichkeiten der Info-Kommunikationsbasis bei der Vermittlung von differenzierten Bildungsprogrammen in professionellen Bildungseinrichtungen**  
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**Anmerkung.** In diesem Artikel werden die Möglichkeiten der Einführung differenzierter Bildungsprogramme in professionellen Bildungseinrichtungen, die Hauptaufgaben und die Reihenfolge der Erzielung positiver Ergebnisse, die Hauptanforderungen für den Unterricht von Studenten in differenzierten Bildungsprogrammen und die Einführung akademischer Programme sowie auftretende Probleme erörtert. und ihre Lösungen sind sichtbar. Erörtert werden die Errungenschaften der Anwendung differenzierter Bildungsprogramme, die optimalen Wege zur Ausbildung von Fachkräften und vor allem die Faktoren der Vorbereitung von Lehrkräften auf diesen Prozess.

**Schlüsselwörter:** Berufsbildung, differenzierte Bildungsprogramme, Informations- und Kommunikationsbasis, Qualifikation, allgemeiner Bildungsstandard, Trend, Bildungsmodell, Arbeitsmarkt.

**Possibilities of the infocommunication base in teaching on differentiated educational programs in professional educational institutions**  
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**Abstract.** This article discusses the possibilities of introducing differentiated educational programs in professional educational institutions, the main tasks and sequence of achieving positive results, the main requirements for teaching students in differentiated educational programs and the introduction of educational programs, emerging problems. and their solutions are visible. The achievements of the application of differentiated educational programs, the optimal ways leading to the training of specialists and, most importantly, the factors of preparing teachers for this process are discussed.

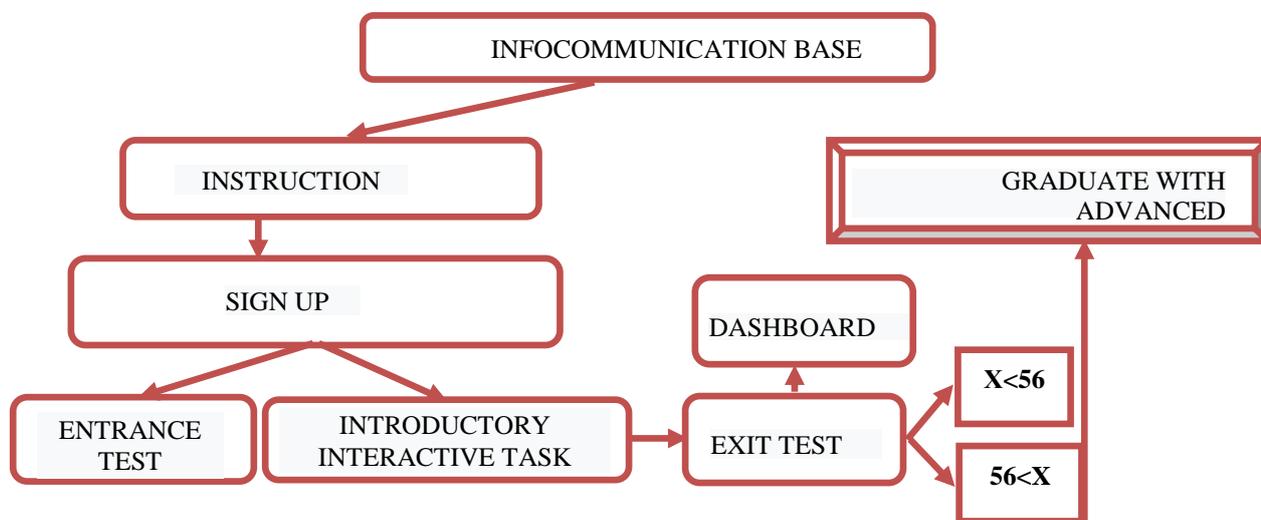
**Keywords:** vocational education, differentiated educational programs, information and communication base, qualification, general education standard, trend, educational model, labor market.

The process of developing the skills of self-study of educational material among graduates of professional educational institutions on the basis of basic information and communication tools is purposefully organized by the teacher and carried out under his guidance.



**INFOCOMMUNICATION BASE** – a program based on speed and security, a software tool that serves to develop students' competencies in the form of text, graphics, video, audio and other types of files (doc, zip, pptx, mp3, mp4, etc.).

An infocommunication base for distance education has been developed, reflecting mutually differentiated educational programs for professions corresponding to the 4th level of vocational education (Preschool education), corresponding to the 5th level (Computer Engineering). (Figure 1)



**Figure 1.** Information and communication base of distance education, reflecting differentiated educational programs.

Infocommunicative database works on the principle of "Returned class". That is, it is mainly aimed at a deeper search for the student together with the teacher. The student watches the video lesson through the program. It is also possible to revise the lessons at a convenient time. When entering the program, each student has his own account (page). He can see the lessons and assignments associated with him. Then there will be control questions on the topic. If a student is having trouble completing a test, the program also connects the student to other resources to provide additional knowledge and skills. If the student performs well on the test, he or she is directed to the best resource for development.

Another handy aspect of the software is that the teacher will be able to keep track of each student. The instrumental part of the information and communication base displays information about which subject each student learns well and which one does not.

On the basis of scientific research, in terms of professional and pedagogical training, professional qualities and professional knowledge, in terms of the methodology for the formation of knowledge and skills obtained in general professional and special subjects, which should be mastered by students in

classroom training and self-study and based on the skills of mastering the use of basic means of information communication, the creation of electronic textbooks, the use of electronic literature, the creation of virtual laboratories, it is determined that the composition of the qualities of professional competence, competence in obtaining information, communicative competence, competence in practical activities is considered the logical structure of the training of a mature specialist.

**Infocommunicative database** - illuminated categories, basic concepts, requirements, technology of creation, structure, content and guidelines for their use in the educational process.

**The info-communicative base** is software aimed at creating optimal conditions for determining students' inclinations for science, developing their interests and abilities.

Develop the professional competence of students of a professional educational institution The developed information and communication base for distance education consists of the following parts:

**Didactic materials** - consisting of means reflecting the content of the curriculum "Information Technology in Professional Activities" and "Information Technology" (lecture texts, tests, presentations, practical tasks and handouts) at the stages of vocational education (the initial topic was mastered by students). knowledge, qualifications and skills are checked using case and control tests, students who achieve results above the specified requirements move to a new subject), which gives the student ample opportunities for independent work, independent learning and practical application of the acquired knowledge.

**The electronic complex** is an integrated educational software system that ensures the continuity and completeness of the didactic cycle of the educational process: theoretical material, management of the level of knowledge and skills, information collection activities, mathematical and computer visualization, simulation, service functions. subject to interactive review. The use of the complex is modern , aimed at solving current problems education :

**The electronic library** consists of electronic forms of literature on each topic, links to useful Internet addresses and hyperlinks to public open online courses of prestigious international universities (top 1000) for mastering the topics indicated in the curriculum.

**Video lessons** - the subjects "Information technology in professional activities" and "Information technology", consisting of video materials created on each topic when mastering the subjects specified in the curriculum (students form the skills of practical application of the theoretical knowledge gained), which is an important factor in obtaining individual knowledge.

Modern society is developing in harmony with the development of information technology. Information technologies are widely introduced into education, as well as into all spheres of our life. The introduction of information technology in the educational process allows the use of new innovative tools.

In developed countries over the past 3-4 years, a large amount of investment has been made in the field of education based on video technologies. Of course, we also

pay great attention to this area, as an example, we can cite educational systems based on video technologies created by our state, as well as sections on video portals specially allocated for education.

**Methodological recommendations** - consist of the necessary recommendations on the use of resources given on the topic (reflects the most optimal way for the student to master this knowledge in the field of software engineering based on the specifics of the subject) .

In conclusion, it should be noted that great creative work, reforms and the growth of the economic power of our country, which is the central link in the social sphere of society, have led to fundamental changes in the education system. In order to improve the education of young people, enrich the content of the knowledge given to them with modern and foreign skills, ensure continuity, new decisions, decrees, documents are being adopted, advanced pedagogical methods and teaching methods are being introduced. created.

### References

1. Olimov Q.T. Theoretical and methodological foundations of creating educational literature from special subjects. Pedagogue. Ph.D. Dis. - T.: TDPU. 2005. – 274 p.

2. Jurayev A.R. On the basis of programmed educational tools improvement of the methodology of formation of professional competences of future teachers. 13.00.05 - Doctor of Philosophy (PhD) Dissertation in Pedagogical Sciences, specializing in the theory and methodology of vocational education. Tashkent. 2019

3. 3. Gaffarov L.X Methodical manual entitled "Effective use of software tools in the development of professional competence" Tashkent 2022-120 p.

4. Turmatov J.R. Improving the didactic support of the methodology of formation of research competences in research competences of vocational education teachers. 13.00.05 - Doctor of Philosophy (PhD) Dissertation in Pedagogical Sciences, specializing in the theory and methodology of vocational education. Tashkent. 2019

5. 5. Gaffarov L "Information technologies in professional activity": educational manual. N. Sh. Mavlonov, H. R. Gaffarov, Z. Umataliev. Tashkent, "Ilm ziya zakovat" 2021. – 168 p.

6. 6. L.Kh.Gaffarov. The Role of an Innovative Process of Action in Providing A Differentiated Educational Programme // “Middle european scientific bulletin”.ISSN 2694-9970. Volume 18 Nov 2021. -P. 176-179