

Date: 9th February-2025

MIKROSERTIFIKATLAR VA NANO-DIPLOMLAR: ZAMONAVIY TA'LIMNING YANGI IMKONIYATLARI

Sidiqova Yulduz Sobirovna
Osiyo xalqaro universiteti o'qituvchisi

Annotatsiya: Mikrosertifikatlar va nano-diplomlar qisqa muddatli kurslar orqali aniq malakalarga ega bo'lish imkonini beradi. Bugungi kunda bu ta'lim shakli o'z malakasini oshirish va yangi kasb o'rganish istagida bo'lgan insonlar orasida keng ommalashmoqda. Ushbu maqolada mikrosertifikatlarning afzalliklari, ularning ta'lim tizimidagi o'rni va kelajakdagi istiqbollari tahlil qilinadi.

Kalit so'zlar: mikrosertifikat, nano-diplom, qisqa muddatli kurslar, onlayn ta'lim, kasbiy malaka, ta'lim texnologiyalari.

Kirish

Zamonaviy dunyoda texnologiyalar tez rivojlanayotganligi sababli insonlar doimiy ravishda yangi bilim va ko'nikmalarga ega bo'lishga ehtiyoj sezmoqda. An'anaviy ta'lim shakllari uzoq muddatli bo'lib, tezkor o'zgarishlarga moslashish imkonini bermaydi. Shu sababli, qisqa muddatli, amaliy bilim beruvchi ta'lim shakllari – mikrosertifikatlar va nano-diplomlar tobora ommalashib bormoqda. Ushbu maqolada ularning ahamiyati va imkoniyatlari haqida batafsil fikr yuritiladi.

Asosiy qism Mikrosertifikatlar va nano-diplomlar ta'lim jarayonining innovatsion yo'nalishlaridan biridir. Ular quyidagi afzalliklarga ega:

1. **Tezkorlik** – kurslarning davomiyligi bir necha haftadan bir necha oygacha bo'lishi mumkin, bu esa vaqtni tejashga yordam beradi.
2. **Amaliyotga yo'naltirilganlik** – kurslar aniq kasbiy malakalarni o'rgatishga qaratilgan bo'lib, talab yuqori bo'lgan sohalarni qamrab oladi.
3. **Onlayn ta'lim imkoniyati** – kurslarning ko'pchiligi internet orqali o'qitiladi, bu esa istalgan joydan bilim olish imkonini beradi.
4. **Arzon narx** – an'anaviy universitet kurslari bilan solishtirganda, mikrosertifikat dasturlari ancha arzon tushadi.
5. **Ish beruvchilar tomonidan e'tirof etilishi** – ko'plab kompaniyalar mikrosertifikat va nano-diplomlarni haqiqiy malaka sifatida tan olishmoqda.

Bugungi kunda Coursera, edX, Udacity, Google Career Certificates, LinkedIn Learning kabi platformalar mikrosertifikat va nano-diplomlarni keng miqyosda taqdim etmoqda. Ular texnologiya, marketing, biznes boshqaruvi, dasturlash, sun'iy intellekt va boshqa ko'plab sohalarni o'z ichiga oladi.

Kelajakda mikrosertifikatlarning roli yanada ortishi kutilmoqda. Sun'iy intellekt va avtomatlashtirish jarayonlari tufayli yangi kasblar paydo bo'lishi va mavjud kasblar o'zgarishi sababli insonlar o'z malakalarini tezda yangilab borishlari talab qilinadi. Shu bois, bu ta'lim shakli uzluksiz ta'limning ajralmas qismiga aylanib borayotgani shubhasiz.



Date: 9th February-2025

Xulosa

Mikrosertifikatlar va nano-diplomlar zamonaviy ta'lim tizimining muhim tarkibiy qismi bo'lib, tezkor, samarali va amaliy bilim olish imkoniyatini yaratmoqda. Bu ta'lim shakli insonlarga zamonaviy kasblarga moslashish va o'z kasbiy malakalarini oshirish imkonini beradi. Kelajakda bu tizim yanada rivojlanib, uzluksiz ta'limni yangi bosqichga olib chiqishi kutilmoqda.

ADABIYOTLAR:

1. Sobirovna, S. Y. (2024). MAKTABGACHA TA'LIMDA NUTQ, MULOQOT OQISH VA YOZISH MALAKALARINING SOHALARI. TECHNICAL SCIENCE RESEARCH IN UZBEKISTAN, 2(1), 52-62.
2. Sobirovna, S. Y. (2023). Creativity in the work of an educator. American Journal of Public Diplomacy and International Studies (2993-2157), 1(10), 361-367.
3. Yulduz, S. (2024). SYUJETLI-ROLLI OYINLARNING BOLA FAOLIYATIDAGI AHAMIYATI. TECHNICAL SCIENCE RESEARCH IN UZBEKISTAN, 2(1), 44-51.
4. Yulduz, S. (2023). MAKTABGACHA YOSHDAGI BOLALARDA EKOLOGIK TA'LIM BERISHNING O'ZIGA XOSLIGI. ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ, 21(3), 124-129.
5. Sobirovna, S. Y. (2023). O 'YIN ORQALI BOLA TAFAKKURI VA NUTQINI OSTIRISH. SAMARALI TA'LIM VA BARQAROR INNOVATSIYALAR, 1(3), 93-99.
6. Sobirovna, S. Y. (2022). PEDAGOGNING KREATIVLIGI BOLALAR IJODIY RIVOJLANISHINING ZARUR SHARTI. PEDAGOGS jurnali, 1(1), 219-220.
7. Yulduz, S. (2023). KREATIV YONDASHUVLAR ASOSIDA BOLALAR NUTQI VA TAFAKKURINI RIVOJLANTIRISH. ОБРАЗОВАНИЕ НАУКА И ИННОВАЦИОННЫЕ ИДЕИ В МИРЕ, 23(2), 87-92.
8. Sobirovna, S. Y. (2022). KICHIK MAKTAB YOSHDAGI O 'QUVCHILAR BILISH FAOLIYATINI RIVOJLANTIRISHNING PEDAGOGIK PSIXOLOGIK XUSUSIYATLARI. PEDAGOGS jurnali, 1(1), 158-160.
9. Sobirovna, S. Y. (2023). METODIST FAOLIYATI ASOSLARI. SAMARALI TA'LIM VA BARQAROR INNOVATSIYALAR JURNALI, 1(5), 108-114.
10. Sobirovna, S. Y. (2024). AESTHETIC EDUCATION AS A TOOL TO LEAD CHILDREN TO PERFECTION. МЕДИЦИНА, ПЕДАГОГИКА И ТЕХНОЛОГИЯ: ТЕОРИЯ И ПРАКТИКА, 2(2), 354-367.
11. Yulduz, S. (2024). Estetik tarbiya bolalarni komillikka yetaklovchi vosita sifatida. TECHNICAL SCIENCE RESEARCH IN UZBEKISTAN, 2(2), 95-106.
12. Sobirovna, S. Y. (2023). Maktabgacha ta'lim yoshidagi bolalarga ekologik tarbiya berish. SAMARALI TA'LIM VA BARQAROR INNOVATSIYALAR JURNALI, 1(4), 160-166.
13. Sobirovna, S. Y. (2024). BOLALAR RIVOJLANISHIGA TA'SIR QILUVCHI OILAVIY VA IJTIMOY OMILLAR. Methods of applying innovative and digital technologies in the educational system, 1(2), 199-204.



Date: 9th February-2025

14. Sobirovna, S. Y. (2024). BOLALARNI NUTQINI RIVOJLANTIRISHNING NEYROPEDAGOGIK XUSUSIYATLARI. Methods of applying innovative and digital technologies in the educational system, 1(2), 253-258.
15. Sobirovna, S. Y. (2024). BOLALAR RIVOJLANISH NAZARIYASIDA PIAJENING KOGNITIV RIVOJLANISH MODELI. Methods of applying innovative and digital technologies in the educational system, 1(2), 193-198.
16. Sobirovna, S. Y. (2024). BOLALAR RIVOJLANISH BOSQICHLARI VA ULARNING PSIXOLOGIK XUSUSIYATLARI. Methods of applying innovative and digital technologies in the educational system, 1(2), 259-264.
17. Sobirovna, S. Y. (2024). MILLAT ERKI VA RUHI KUYCHISI. PEDAGOGIK TADQIQOTLAR JURNALI, 2(1), 130-132.
18. Sobirovna, S. Y. (2024). MAKTABGACHA TA'LIMIDA STEAM TA'LIM TEXNOLOGIYASIDAN FOYDALANISH. WORLD OF SCIENCE, 7(5), 512-520.
19. Sobirovna, S. Y. (2024). MAKTABGACHA TA'LIMIDA STEAM TA'LIM TEXNOLOGIYASIDAN FOYDALANISH. WORLD OF SCIENCE, 7(5), 512-520.
20. Sobirovna, S. Y. (2024). MAKTABGACHA TA'LIMIDA STEAM TA'LIM TEXNOLOGIYASIDAN FOYDALANISH. WORLD OF SCIENCE, 7(5), 512-520.
21. Tursunovna, B. G. (2024, May). UPDATING AND CONDUCTING THE QUALITY OF PRIMARY EDUCATION ON THE BASIS OF MODERN METHODS. In *Forum for Linguistic Studies* (Vol. 6, No. 1, pp. 242-248).
22. Baxronova, G. T. (2024). EGRA AND EGMA INTERNATIONAL ASSESSMENT PROGRAMS AND TEACHING PRIMARY CLASS STUDENTS TO THINK INDEPENDENTLY THROUGH THEM. *Ta'lim innovatsiyasi va integratsiyasi*, 12(2), 152-154.
23. Tursunovna, B. G. (2024). EGMA TADQIQOTI O 'QITISH VA TA'LIM OLI SH SHAROITLARINI O 'RGANISH XALQARO TADQIQOTI. *Ta'lim innovatsiyasi va integratsiyasi*, 12(2), 146-148.
24. Jo'Rayeva, D. O. (2024). EDUCATIONAL VIEWS OF PEDAGOGUES TOWARDS THE ENVIRONMENT. *Экономика и социум*, (4-1 (119)), 194-197.
25. Narziyeva, S. (2023). PSYCHOLOGICAL VIEWS ON THE CHOICE OF PROFESSION. *Modern Science and Research*, 2(10), 333-336.
26. Rustamovna, N. S. (2023). UNDERSTANDING EMPATHY: AN ESSENTIAL COMPONENT OF HUMAN CONNECTION. *American Journal of Public Diplomacy and International Studies* (2993-2157), 1(10), 378-382.
27. Rustamovna, N. S. (2023). DEVELOPING EMPATHY IN STUDENTS. *Oriental Journal of Academic and Multidisciplinary Research*, 1(3), 127-131.
28. Rustamjonovna, N. S. (2024). O 'SMIRLARDA DEVIATSIYA KO 'RINISHLARI VA VUJUDGA KELTIRUVCHI OMILLARI. *PEDAGOGIK TADQIQOTLAR JURNALI*, 2(1), 171-175.
29. Rustamjonovna, N. S. (2024). THE PROBLEM OF AGE AND GENDER DIFFERENTIATION OF DEVIANT MORALITY. *THE THEORY OF RECENT SCIENTIFIC RESEARCH IN THE FIELD OF PEDAGOGY*, 2(22), 222-224.



Date: 9th February-2025

30. Rustamovna, N. S. (2024). O 'SPIRINLIK YOSHIDA EMPATIYANING NAMOYON BO 'LISHI VA UNING PSIXOLOGIK XUSUSIYATLARI. *PEDAGOG*, 7(5), 89-96.

31. Narziyeva, S. (2024). O 'SPIRINLIK YOSHIDA EMPATIYANING NAMOYON BO 'LISHI VA UNING PSIXOLOGIK XUSUSIYATLARI. *PEDAGOG*, 7(4), 320-327.

32. Toymurodov, A. (2023, December). MODERN INTERPRETATION OF PSYCHODIAGNOSTICS AND PSYCHOCORRECTION OF EXTREME SITUATIONS. In INTERNATIONAL SCIENTIFIC CONFERENCE" SCIENTIFIC ADVANCES AND INNOVATIVE APPROACHES" (Vol. 1, No. 5, pp. 71-79).

33. Toymurodov, A. (2023). BASICS OF PROVIDING PSYCHOLOGICAL SERVICES TO MILITARY PERSONNEL. Академические исследования в современной науке, 2(24), 148-152.

34. Shuhratovich, T. A. (2025). PSIXOLOGIK TESTLAR TURLARI VA ULARNI QANDAY QO'LLASH. Modern digital technologies in education: problems and prospects, 2(1), 8-15.

35. Abdurahmon, T. (2025). BOLALAR PSIXOLOGIYASINI O 'RGANISH ULARNING RIVOJLANISH JARAYONLARI. Modern digital technologies in education: problems and prospects, 2(1), 16-21.

36. Abdurahmon, T. (2025). STRESSNI EKSPERIMENTAL TAHLIL QILISH. *New modern researchers: modern proposals and solutions*, 2(1), 51-56.

37. Abdurahmon, T. (2025). XOTIRA VA ESLAB QOLISH JARAYONLARINI. *New modern researchers: modern proposals and solutions*, 2(1), 57-62.

38. Abdurahmon, T. (2025). PSIXOLOGIYADA QAROR QABUL QILISH JARAYONLARINI EKSPERIMENTAL TADQIQ QILISH. *New modern researchers: modern proposals and solutions*, 2(1), 1-7.

39. Abdurahmon, T. (2025). PSIXOLOGIYADA NEYROEKSPERIMENTLARNING AHAMIYATI. *New modern researchers: modern proposals and solutions*, 2(1), 14-20.

40. Abdurahmon, T. (2025). KOGNITIV PSIXOLOGIYA INSONNING ONG JARAYONLARI. *New modern researchers: modern proposals and solutions*, 2(1), 8-13.

41. Fattullayeva, M. M. (2024). O 'QUVCHILARNING KOMMUNIKATIV KOMPETENSIYALARINI SHAKLLANTIRISHDA ERTAKLAR O 'QITISHNING NAZARIY VA METODIK ASOSLARI. *PEDAGOG*, 7(4), 243-248.

42. Fattullayeva, M. (2024). O 'QUVCHILARNING SO 'Z BIRIKMASI, GAP USTIDA ISHLASH KO 'NIKMASINI O 'STIRISH. *Medicine, pedagogy and technology: theory and practice*, 2(9), 534-542.

43. Xaqqulova, D. (2024). ABDURAHMON GO 'ZAL-YASSAVIYSHUNOS. *PEDAGOG*, 7(6), 8-15.

44. Xaqqulova, D. (2024). ADABIYOTSHUNOS OLIM ABDURAHMON GO 'ZALNING TADQIQOTLARI XUSUSIDA. *PEDAGOG*, 7(5), 548-555.

45. XAQQULOVA, D. (2023). BADIYLIK MASALALARI TADQIQIDA OLIM MAHORATI. *Наука и технология в современном мире*, 2(5), 5-11.

46. Abduvasiyevna, X. D. (2024). SO 'Z TUZILISHI VA SO 'Z YASASH. *The latest pedagogical and psychological innovations in education*, 1(2), 261-266.



Date: 9th February-2025

47. Abduvasiyevna, X. D. (2024). NUTQ MADANIYATI VA OG ‘ZAKI MULOQOT. *The latest pedagogical and psychological innovations in education*, 1(2), 255-260.
48. Abduvasiyevna, X. D. (2024). MATN TAHLILI VA MAZMUNNI TUSHUNISH. *The latest pedagogical and psychological innovations in education*, 1(2), 279-284.
49. Abduvasiyevna, X. D. (2024). GAP TUZILISHI VA UNING TURLARI. *The latest pedagogical and psychological innovations in education*, 1(2), 267-272.
50. Abduvasiyevna, X. D. (2024). ONA TILIDA IMLO QOIDALARI. *The latest pedagogical and psychological innovations in education*, 1(2), 273-278.
51. Numondjonovna, D. G. (2021). The use of interactive methods in forming the ecological worldview of preschool children. *Middle European Scientific Bulletin*, 11.
52. Numondjonovna, D. G. (2022). The Importance of Aesthetic Education in Comprehensive Education of Preschool Children. *International Journal of Discoveries and Innovations in Applied Sciences*, 2(2), 54-57.
53. Numondjonovna, D. G. (2021). The importance of using multimedia to expand children’s worldwide during the activities. *Asian Journal Of Multidimensional Research*, 10(7), 28-31.
54. Davranova Gulbahor, N. (2022). Advantages of using modern information technologies in teaching russian language for primary school students. *American journal of social and humanitarian research*, 3(1), 333-338.
55. Davranova, G. N. (2022). Use of Information Technologies in Primary School Russian Lessons. *European journal of innovation in nonformal education*, 2(6), 73-78.
56. Numondjonovna, D. G. (2022). Maktabgacha va boshlang ‘ich ta’lim tizimida sifat samaradorligini oshirishning innovatsion yondashuvi. *PEDAGOGS jurnali*, 1(1), 144-146.
57. Davranova, G. N. (2023, January). THE DEVELOPMENT OF PUPILS’ SPEECH IN RUSSIAN LESSONS IN ELEMENTARY SCHOOL. In *INTERNATIONAL SCIENTIFIC CONFERENCE" INNOVATIVE TRENDS IN SCIENCE, PRACTICE AND EDUCATION"* (Vol. 2, No. 1, pp. 147-154).
58. Numondjonovna, D. G. (2022). Tabiat bilan tanishtirish orqali maktabgacha yoshdagi bolalarda ekologik madaniyatni rivojlantirish. *PEDAGOGS jurnali*, 1(1), 363-367.
59. Numondjonovna, D. G. (2024). SHAXSGA YO’NALTIRILGAN YONDASHUV ASOSIDAGI TA’LIMNING AHAMIYATI. *PEDAGOGIK TADQIQOTLAR JURNALI*, 2(1), 197-202.
60. Numondjonovna, D. G. (2024). FORM, METHOD, TOOLS OF USING INFORMATION AND COMMUNICATION TECHNOLOGIES IN TEACHING RUSSIAN IN PRIMARY SCHOOL PUPILS. *Miasto Przyszłości*, 47, 495-499.
61. Numondjonovna, D. G. (2022). Boshlang’ich sinf o’quvchilarining rus tilida lug’atlar bilan ishlash jarayonida kreativligini oshirish. *Pedagogs jurnali*, 1(1), 168-170.
62. Davranova, G. N. (2023). Theoretical And Practical Aspects Of Applying Information Technology In Teaching The Russian Language. *Innovative Development In The Global Science*, 2(10), 106-111.

