



BENEFITS AND CHALLENGES OF MOBILE LEARNING

Karimova Shohida Nosirovna

6th school in Romitan, Bukhara, teacher
shokhidakarimova@gmail.com

Shokirov Shoxrux Husen o'g'li

TUIT Karshi branch, student
shoxruxshokirov9@gmail.com

Xurramov Shohboz Xurram o'g'li

TUIT Karshi branch, student
shohboztuit@gmail.com

<https://doi.org/10.5281/zenodo.7634212>

Abstract: Nowadays, for businesses that wish to succeed in the modern economy, workplace education has a high return on investment. Employees with the skills and knowledge needed to execute a good job are happier than those with little or no formal training. Even better, well-trained employees provide excellent customer service and provide high-quality products. The possibility to empower employees by providing them with mobile learning opportunities develops as the number of employees who use their mobile devices in the workplace grows. Millennials, who have grown up with technology at their fingertips and in their hands, will make up half of the worldwide workforce by 2020. Using mobile devices for work feels perfectly natural to them because technology has always been a part of their life. Furthermore, the majority of employees use their mobile devices to view company papers while on the go. Corporate training is now available to everyone, regardless of time or location, thanks to mobile learning. It allows employees to complete training while on the road, even if they don't have access to the internet. Furthermore, mobile learners are more engaged and complete training courses at a higher rate than non-mobile learners. Mobile learning provides a lot of benefits, but it also has some drawbacks. This type of learning, on the other hand, is simple to incorporate into your corporate training program due to its convenience and effectiveness.

Despite the numerous advantages that mobile learning can provide for your company, there are some obstacles to overcome. This type of training can give your business a competitive advantage, but only if you can overcome these obstacles.

Keywords: mobile, e-learning, data security, content.

Data security

As more firms adopt BYOD policies, mobile connections become more vulnerable to security attacks. Many business owners are hesitant to embrace





mobile learning because of the possibility of corporate network intrusions. Before you begin a mobile training session; you must first handle the security concerns that come with all mobile traffic. Your employees can safely access business and training resources using their mobile devices if adequate restrictions are in place. Any lingering concerns regarding mobile access to corporate networks will be alleviated by developing a security plan to keep your papers and data safe.

Content issues

Mobile learning tools rarely convert well from classroom instruction. On mobile devices, file sizes and formats that are easy to manage on PCs and laptops frequently cause performance concerns. Your mobile learning program may be delayed or disturbed due to the complexity of producing and modifying information for mobile consumption. Maintaining different training formats may entail multiple versions of your information, which can cause confusion among all stakeholders. The second barrier on the list is developing content that is optimized for mobile devices, which will need a financial commitment.

Budget constraints

As previously said, you will need to invest in the design of mobile-friendly learning materials in order to adopt a successful mobile learning strategy. It's possible that your organization lacks the financial means to obtain the necessary resources and convert your previous training programs. Incorporating mobile training into your present business strategy can also result in unexpected costs and lost productivity. Despite the cost, mobile learning can boost employee retention and engagement, resulting in a significant return on investment for your firm. However, before you make any decisions, you should assess whether your firm has a strong need for mobile learning.

No evidence of impact

It can be challenging to justify the cost of your mobile learning program. The ability of your company to effectively integrate the new methods and technologies connected with mobile learning might test its capabilities and negate immediate returns on investment. Furthermore, many firms that adopt mobile learning do not have a formal mechanism in place to track their progress. Experience, widespread adoption, and time, on the other hand, will lead to the creation of the measurements and analytical tools required to track the profitability of mobile learning programs in the future.

E-learning has democratized education in a variety of fields, from nursing to neuroscience to life coaching certification. The value of attending a traditional





college or university has diminished as a result of this accessibility. Students from all around the world can learn at their leisure for a fraction of the cost. What's the catch then?

If you have anything to lose, it's the sensation of traffic, which drains both your energy and your wallet. Some may say that there is a lack of face-to-face engagement with students and teachers, but can anyone dispute that such communication is not possible via the Internet? The best noise reduction is achieved through webinars, real-time classroom participation, and group discussions on live platforms.

Consider how simple it is to report on an educator's legitimacy once you've enrolled in an online program. E-learning companies compete fiercely in this area because they must protect their operations. They ensure stricter quality control measure. You can report an educator who is unable to meet your needs in an anonymous manner. You have no room to criticize your professor's efficiency when you're offline. While many colleges in the United States and the United Kingdom seek faculty criticism, India is still quite conservative. Here, feedback is no longer transactional and has devolved into a sour experience.

Conclusion

The Internet today is a window into its users' observations, their ideas and their way of life. The emergence of wireless networks and mobile devices has aided this. These technologies are influencing our social habits. Learning systems can only respond to these shifts in order to better support students, their needs, and preferences. Mobile learning or learning via mobile devices, makes this possible today. Mobile learning is a novel paradigm that has sparked a slew of research efforts over the last decade. The first work performed was completely techno centered. It began by focusing on the use of new mobile technologies and users' perceptions of them, before moving on to the application of well-established learning theories (e.g theory of activity). In order to formalize this paradigm through new models and approaches, we are currently more interested in mobile learning teaching and learning challenges. Today's youth may choose what they want to learn and set their own learning goals using their mobile devices.

References:

1. Шокиров, Ш. Х., and Ш. Т. Турамурадов. "преимущества и эффективность использования искусственного интеллекта в социально-экономической сфере." international conferences. Vol. 1. No. 5. 2022.





2. Shokirov, Sh H., Sh B. Nusratova, and Y. Q. Shoniyozova. "advantages of neural networks." концепции и модели устойчивого инновационного развития (2020): 56.
3. Рустамов М. А., Шокиров Ш. Х., Шониёзова Ю. Қ. Развитие компьютерных языков и программистов //теоретические и практические основы научного прогресса в современном обществе. – 2020. – С. 14-18.
4. Qodirov, F. E., O. D. Doniyorov, and H. Shokirov Sh. "Basic concepts of information security in information systems. Wide threats and their consequences." концепции устойчивого развития науки в современных условиях (2021): 153-155.
5. Qodirov F. E., Akbarova D. A., Shokirov S. H. Software for working with computer graphics and their tasks. Application of digital image processing fields //Инновации в технологиях и образовании: сб. ст. участников XIV Меж. – С. 57.
6. Qodirov, F. E., O. D. Doniyorov, and Sh H. Shokirov. "BASIC CONCEPTS OF INFORMATION SECURITY IN INFORMATION SYSTEMS. WIDE THREATS AND THEIR CONSEQUENCES." КОНЦЕПЦИИ УСТОЙЧИВОГО РАЗВИТИЯ НАУКИ В СОВРЕМЕННЫХ УСЛОВИЯХ. 2021.
7. Farrux Qodirov / Econometric modeling of medical services in the territories / International Conference on Information Science and Communications Technologies ICISCT 2022 Applications, Trends and Opportunities 28th, 29th and 30th of September 2022, Tashkent, Uzbekistan.
8. Ergash o'g'li, Qodirov Farrux. "CREATION OF ELECTRONIC MEDICAL BASE WITH THE HELP OF SOFTWARE PACKAGES FOR MEDICAL SERVICES IN THE REGIONS." Conferencea (2022): 128-130.
9. Ergash o'g'li, Qodirov Farrux. "IMPORTANCE OF KASH-HEALTH WEB PORTAL IN THE DEVELOPMENT OF MEDICAL SERVICES IN THE REGIONS." Conferencea (2022): 80-83.
10. Qodirov, F. E., J. U. Abdirasulov, and J. E. Nematov. "FORMING GOVERNMENT AGENCY WEBSITES WITH WORDPRESS CONTENT MANAGEMENT SYSTEM." Инновации в технологиях и образовании. 2019.
11. Kodirov, F. E., and J. E. Nematov. "BASIC TECHNOLOGY AND SERVICE MANAGEMENTMULTISERVICE NETWORKS." Инновации в технологиях и образовании. 2019.
12. Кодиров, Ф. Э., and М. У. Маматмурадова. "РАЗРАБОТКА ЦИФРОВОЙ ПРОГРАММЫ ШИФРОВАНИЯ И ВНЕДРЕНИЕ В ПРАКТИКУ." Инновации в технологиях и образовании. 2019.





13. Абдирасулов, Ж. У., and Ф. Э. Кодиров. "ЭФФЕКТИВНОСТЬ ANGULAR JS ДЛЯ СОЗДАНИЯ ДИНАМИЧЕСКИХ ВЕБ-САЙТОВ И ОПТИМИЗАЦИИ ИХ ПРОИЗВОДИТЕЛЬНОСТИ." *Инновации в технологиях и образовании*. 2019.
14. Қодиров, Ф. Э., and Ж. Э. Нематов. "РАЗВИТИЕ ЛОКАЛЬНОЙ СЕТИ НА ОСНОВЕ ТЕХНОЛОГИИ GPON." *Инновации в технологиях и образовании*. 2019.
15. Ergash o'g'li, Qodirov Farrux. "Sonli qatorlar.(musbat hadli qatorlarning yaqinlashish teoremalari. leybnis teoremasi, absolyut va shartli yaqinlashish.) 2022/2/17." *Ta'lim va rivojlanish tahlili onlayn ilmiy jurnali* страницы: 137-151.
16. Nematov, Jamshid. "MYBOOK. UZ VIRTUAL KUTUBXONA TIZIMINING IMKONIYATLARI VA XUSUSIYATLARI." *Current approaches and new research in modern sciences* 1.5 (2022): 56-60.
17. Tulqin o'g'li, Usmonov Maxsud, Sayifov Botirali Zokir o'g'li, and Qodirov Farrux Ergash o'g'li. "IKKI ARGUMENTLI FUNKSIYANING ANIQLANISH SOHASI, GRAFIGI, LIMITI VA UZLUKSIZLIGI." *BARQARORLIK VA YETAKCHI TADQIQOTLAR ONLAYN ILMIY JURNALI* (2022): 148-152.
18. Tulqin o'g'li, Usmonov Maxsud, Sayifov Botirali Zokir o'g'li, and Qodirov Farrux Ergash o'g'li. "BIRINCHI VA IKKINCHI TARTIBLI HUSUSIY HOSILALAR. TO'LA DIFFERENSIAL. TAQRIBIY HISOBLASH." *BARQARORLIK VA YETAKCHI TADQIQOTLAR ONLAYN ILMIY JURNALI* (2022): 153-158.
19. Tulqin o'g'li, Usmonov Maxsud, and Qodirov Farrux Ergash o'g'li. "SONLI QATORLAR.(MUSBAT HADLI QATORLARNING YAQINLASHISH TEOREMALARI. LEYBNIS TEOREMASI, ABSOLYUT VA SHARTLI YAQINLASHISH.)." *TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI* (2022): 137-151.
20. Tulqin o'g'li, Usmonov Maxsud, and Qodirov Farrux Ergash o'g'li. "STOKS FORMULASI. SIRT INTEGRALLARI TADBIQLARI." *IJTIMOIIY FANLARDA INNOVASIYA ONLAYN ILMIY JURNALI* (2022): 34-45.
21. Tulqin o'g'li, Usmonov Maxsud, and Qodirov Farrux Ergash o'g'li. "BIR JINSLI VA BIR JINSLIGA OLIB KELINADIGAN DIFFERENSIAL TENGLAMALAR. AMALIY MASALALARGA TADBIQI (KO'ZGU MASALASI)." *BARQARORLIK VA YETAKCHI TADQIQOTLAR ONLAYN ILMIY JURNALI* 2.1 (2022): 263-267.
22. Tulqin o'g'li, Usmonov Maxsud, and Qodirov Farrux Ergash o'g'li. "O'ZGARUVCHILARI AJRALGAN VA AJRALADIGAN DIFFERENSIAL TENGLAMALAR." *BARQARORLIK VA YETAKCHI TADQIQOTLAR ONLAYN ILMIY JURNALI* 2.1 (2022): 240-245.





23. Qodirov, F. E., D. A. Akbarova, and M. A. Turdiyeva. "APPLICATION OF DIGITAL IMAGE PROCESSING FIELDS." (2021): 55-56.
24. Tulqin o'g'li, Usmonov Maxsud, and Qodirov Farrux Ergash o'g'li. "YER OSTI SUVLARINING FIZIK XOSSALARI, KIMYOVIY TARKIBI, HARAKATI VA GRUNTLARNING SUV O'TKAZUVCHANLIGI, FILTRATSIYA QONUNI." TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI (2022): 219-222.
25. Tulqin o'g'li, Usmonov Maxsud, and Qodirov Farrux Ergash o'g'li. "VEKTOR VA SKALYAR MAYDONLAR. GRADIYENT VA YO'NALISH BO'YICHA HOSILA. DIVERGENSIYA VA ROTOR. SATH CHIZIQLARI. GRADIYENT MAYDONLAR. OQIMLAR." TA'LIM VA RIVOJLANISH TAHLILI ONLAYN ILMIY JURNALI (2022): 172-187.
26. Tulqin o'g'li, Usmonov Maxsud, and Qodirov Farrux Ergash o'g'li. "FURE QATORI VA UNING TADBIQLARI." IJTIMOY FANLARDA INNOVASIYA ONLAYN ILMIY JURNALI (2022): 21-33.
27. Tulqin o'g'li, Usmonov Maxsud, and Qodirov Farrux Ergash o'g'li. "DARAJALI QATORLAR. DARAJALI QATORLARNING YAQINLASHISH RADIUSI VA SOHASI. TEYLOR FORMULASI VA QATORI." IJTIMOY FANLARDA INNOVASIYA ONLAYN ILMIY JURNALI (2022): 8-20.
28. Кодиров, Ф. Э., М. Т. Усмонов, and Ш. Х. Шокиров. "ПЕРЕМЕННОЕ УРАВНЕНИЕ." (2021): 74-75.
29. Qodirov, F. E., D. A. Akbarova, and S. H. Shokirov. "SOFTWARE FOR WORKING WITH COMPUTER GRAPHICS AND THEIR TASKS. APPLICATION OF DIGITAL IMAGE PROCESSING FIELDS." Инновации в технологиях и образовании: сб. ст. участников XIV Меж (2021): 57.
30. ЖУ Абдирасулов, ФЭ Қодиров, ЮК Шониёзова. "ЗНАЧЕНИЕ ВЕБ-САЙТОВ ДЛЯ УСПЕШНО ЗАПУСКА СТАРТАПОВ" Инновации в технологиях и образовании, 2020: Ст 26-28
31. Ergash o'g'li, Qodirov Farrux, and Bozorova Irina Jumanazarovna. "METHODS OF DISPLAYING MAIN MEMORY ON CACHE." Ответственный редактор (2020):
32. Ergash o'g'li, Qodirov Farrux, and Bozorova Irina Jumanazarovna. "MODERN PROGRAMMING TECHNOLOGIES AND THEIR ROLE." ИНТЕЛЛЕКТУАЛЬНЫЙ КАПИТАЛ XXI ВЕКА: сборник статей II Международного (2020): 19.
33. FE Qodirov, MA Turdiyeva, DB Eshmurodova. "VALUE OF WEBSITES FOR SUCCESSFULLY STARTING STARTUP" - ИСТОРИЯ, СОВРЕМЕННОЕ СОСТОЯНИЕ И ..., 2020 ст-135-136





34. Qodirov, F. E., J. B. Zoxidov, and M. A. Turdiyeva. "DEVELOPMENT OF AN AUTOMATIC VENTILATION SYSTEM FOR SMART GREENHOUSES." Теории, школы и концепции устойчивого развития науки в современных условиях. 2020.
35. Jumanazarovna, Vozorova Irina, and Qodirov Farrux Ergash o'g'li. "ПРИНЦИП РАБОТЫ ЭЛЕКТРОКАРДИОГРАФА И ЕГО РОЛЬ В СОВРЕМЕННОЙ МЕДИЦИНЕ." НАУЧНЫЕ ДОСТИЖЕНИЯ СТУДЕНТОВ И УЧАЩИХСЯ: сборник статей (2020): 25.
36. Qalandarov, Vazirbek Nasriddinovich, and Saera Jetkerbaevna Barlikbaeva. "CURRENT ROLE AND DISADVANTAGES OF QR-CODE TECHNOLOGY." НАУЧНЫЕ ТРУДЫ МОЛОДЫХ УЧЁНЫХ. 2020.
37. FE Qodirov, MA Turdiyeva, YQ Shoniyozova. "PAYMENT BASED ON THE QR CODE TECHNOLOGY, ITS ADVANTAGES AND DISADVANTAGES" ПЛАНИРОВАНИЕ, ПРОВЕДЕНИЕ И ..., 2020: ст3-4.
38. Abdirasulov, Javohir. "Axborot texnologiyalari Axborot texnologiyalari haqida." Архив научных исследований (2020).
39. ҚОДИРОВ, ФАРРУХ ЭРГАШ ЎҒЛИ, ХУСНИЯ РУСТАМОВНА САЛИМОВА, and ЖАХАР РАИМКУЛ ЎҒЛИ ОРЗИКУЛОВ. "ЗАЩИТА ИНФОРМАЦИИ В КОМПЬЮТЕРНЫХ СЕТЯХ." Наука среди нас 4 (2019): 222-228.
40. Kodirov, F. E., J. U. Abdirasulov, and Sh B. Doniyev. "CONTENT MANAGEMENT SYSTEM WORDPRESS AND ITS TECHNICAL CHARACTERISTICS IN MANUFACTURING AND MANAGING DYNAMIC WEB SITES." СОВРЕМЕННЫЕ ПРОБЛЕМЫ И ПЕРСПЕКТИВНЫЕ НАПРАВЛЕНИЯ ИННОВАЦИОННОГО РАЗВИТИЯ НАУКИ. 2019.
41. QODIROV, FARRUX ERGASH O'G'LI, ZARINA ANVAR QIZI MANSUROVA, and SUHROBJON SALOXIDDIN O'G'LI JURAYEV. "MODERN MOBILE APPLICATIONS AND THEIR PECULIARITIES AND ALSO ANALYSIS AND GENERAL CHARACTERISTICS BASED ON THE ANDROID OPERATING SYSTEM." Наука среди нас 5 (2019): 106-111.
42. FE Qodirov, SS Jo'rayev, VN Qalandarov. "INFORMATION ARCHITECTURE IN SITE DESIGN". - НАУКА И НАУЧНЫЙ ПОТЕНЦИАЛ-ОСНОВА ..., 2019: ст 71-73
43. ФЭ Кодиров, ЮК Шониёзова, НБ Шодмонова. "Г. КАРШИ ПРИНЦИПЫ РАБОТЫ ТЕХНОЛОГИИ WIMAX". НАУКИ И ТЕХНИКИ: МЕХАНИЗМ ВЫБОРА И ..., 2019: ст 40-42
44. Kodirov, F. E., M. B. Shamsiddinov, and Z. A. Mansurova. "SELECTING A PROGRAMMING LANGUAGE IN UNITY (JavaScript, C#)." ПРОБЛЕМЫ





ВНЕДРЕНИЯ РЕЗУЛЬТАТОВ ИННОВАЦИОННЫХ РАЗРАБОТОК: Сборник (2019): 92.

45. Маматмурадова, М. У., И. Ж. Бозорова, and Ф. Э. Кодиров. "СОЗДАНИЕ И ЭФФЕКТИВНОЕ ИСПОЛЬЗОВАНИЕ ИННОВАЦИОННЫХ ТЕХНОЛОГИЙ И РЕСУРСОВ ЭЛЕКТРОННОГО ОБУЧЕНИЯ В НЕПРЕРЫВНОМ ОБРАЗОВАНИИ." Инновации в технологиях и образовании. 2019.

46. Абдирасулов, Ж. У., and Ф. Э. Кодиров. "СТРУКТУРНЫЕ СОСТАВЛЕНИЯ МОБИЛЬНОЙ ОПЕРАЦИОННОЙ СИСТЕМЫ ANDROID И ЕЕ ЯДРО." Инновации в технологиях и образовании. 2019.

47. Qodirov, F. E., et al. "OVER VIEW FROM YII 2 FRAMEWORKS, AND ALSO ITS ADVANTAGES AND DISADVANTAGES." СОВЕРШЕНСТВОВАНИЕ МЕТОДОЛОГИИ ПОЗНАНИЯ В ЦЕЛЯХ РАЗВИТИЯ НАУКИ (2019): 39.

48. Qodirov, F. E., et al. "PROBLEMS AND SOLUTIONS FOR EFFECTIVE PROTECTION AGAINST NETWORK ATTACKS." НАУКОЕМКИЕ ИССЛЕДОВАНИЯ КАК ОСНОВА ИННОВАЦИОННОГО РАЗВИТИЯ (2019): 93.

49. Qodirov, Farrux Ergashevich, Shoxrux Ramazonov, and Husniya Rustamovna Salimova. "CONTROL OVER SYSTEM" SMART HOUSE" WITH THE HELP OF WIRELESS NETWORK." НАУЧНАЯ ДИСКУССИЯ СОВРЕМЕННОЙ МОЛОДЁЖИ: АКТУАЛЬНЫЕ ВОПРОСЫ, ДОСТИЖЕНИЯ И ИННОВАЦИИ. 2019.

50. Qodirov, F. E., et al. "ESSENCE OF THE NOTION ELECTRONIC DICTIONARY." КОНЦЕПЦИЯ "ОБЩЕСТВА ЗНАНИЙ" В СОВРЕМЕННОЙ НАУКЕ. 2019.

51. Qodirov, F. E., et al. "FEATURES OF INTEL CORE i9 X-SERIES PROCESSORS AND ITS ADVANTAGE FROM OTHER PROCESSORS." ПУТИ ПОВЫШЕНИЯ РЕЗУЛЬТАТИВНОСТИ СОВРЕМЕННЫХ НАУЧНЫХ ИССЛЕДОВАНИЙ. 2019.

52. Ахматова, С. З., М. Б. Шамсиддинов, and Ж. Р. Орзикулов. "ФЭ Қодиров." 72.

53. ФЭ Қодиров, ЗА Мансурова, МБ Шамсиддинов. "КОМПЬЮТЕРНЫЕ ИГРЫ И ИХ ТЕКУЩИЕ ВИДЫ И ПРЕИМУЩЕСТВА" ТЕОРИЯ И ПРАКТИКА МОДЕРНИЗАЦИИ НАУЧНОЙ ..., 2019: ст 59-61

54. Элчаев, З. А., et al. "КОНТРОЛИРОВАНИЕ НАД СИСТЕМОЙ" УМНЫЙ ДОМ" С ПОМОЩЬЮ БЕСПРОВОДНОГО СЕТЯ." ПРОРЫВНЫЕ НАУЧНЫЕ ИССЛЕДОВАНИЯ КАК ДВИГАТЕЛЬ НАУКИ. 2019.

55. ФЭ Қодиров, ШУ Рамазонов, СЗ Ахматова. "РАЗРАБОТКА ВИДЕОИГРЫ НА ПЛАТФОРМЕ UNITY 3D" ЧЕЛОВЕЧЕСКИЙ КАПИТАЛ КАК ФАКТОР, 2019: ст 56-91





56. FE Kodirov, SZ Axmatova. "LiFi-NEW NETWORK TECHNOLOGIES" НАУКА И ИННОВАЦИИ В XXI ВЕКЕ: АКТУАЛЬНЫЕ ..., 2019: ст 99-101
57. Юсупов, Ш. Ш., Ж. Э. Нематов, and Ф. Э. Қодиров. "О ПРИНЦИПАХ ФУНКЦИОНИРОВАНИЯ СОЦИАЛЬНО-ОРГАНИЗОВАННЫХ СИСТЕМ." Инновации в технологиях и образовании. 2018.
58. Axmatova, S. Z., and Ф. Э. Қодиров. "МОДЕЛИРОВАНИЕ ДИНАМИЧЕСКИХ СИСТЕМ НА ПРОГРАММУ MICROSOFT EXCEL." Инновации в технологиях и образовании. 2018.
59. Turdiyev, U. Q., and F. E. Kodirov. "INTRODUCTION OF DERIVED OF FUNCTION OF COMPUTER SOFTWARE PRODUCTS TO ENABLE READER THROUGH THE USE OF CASE STUDIES." Инновации в технологиях и образовании. 2018.
60. Турдиев, У. К., and Ф. Э. Кодиров. "ЗАДАЧА КОШИ ДЛЯ ОДНОМЕРНОЙ СИСТЕМЫ УРАВНЕНИЙ ТИПА БЮРГЕРСА ВОЗНИКАЮЩЕЙ В ДВУХСКОРОСТНОЙ ГИДРОДИНАМИКЕ." Инновации в технологиях и образовании. 2018.
61. Ergash o'g'li, Qodirov Farrux, and Berdiyev Sardor Sobir o'g'li. "DEVELOPMENT OF MATHEMATICAL APPLICATIONS IN THE PROGRAM OF EXISTING SCRIPT LANGUAGE."
62. Qodirov, Farrux, et al. "'AQLLI UY" TIZIMINI ISHLAB CHIQISHDA SIMSIZ ALOQADAN FOYDALANISH." Solution of social problems in management and economy 2.1 (2023): 112-119.
63. Қодиров, Фаррух, et al. "АҲОЛИГА СОҒЛИҚНИ САҚЛАШ ХИЗМАТЛАРИ КЎРСАТИШДАН ОЛИНГАН ДАРОМАДЛАРНИНГ ЭКОНОМЕТРИК МОДЕЛИ." Zamonaviy dunyoda innovatsion tadqiqotlar: Nazariya va amaliyot 2.4 (2023): 110-122.
64. Qodirov, Farrux, et al. "SOG'LIQNI SAQLASH XIZMATLARI SIFATI VA SAMARADORLIGINI OSHIRISH BORASIDAGI ISLOHOTLAR." Zamonaviy dunyoda ilm-fan va texnologiya 2.4 (2023): 66-72.
65. Qodirov, Farrux, et al. "SEZUVCHI SENSORLAR VA HARAKATNI TA'MINLOVCHI SENSORLARNING ROBOTOTEXNIKADAGI O'RNI VA AHAMIYATI." Theoretical aspects in the formation of pedagogical sciences 2.3 (2023): 27-34.
66. Ergash o'g'li, Qodirov Farrux. "CREATION OF ELECTRONIC MEDICAL BASE WITH THE HELP OF SOFTWARE PACKAGES FOR MEDICAL SERVICES IN THE REGIONS." Conferencea (2022): 128-130.





67. Ergash o'g'li, Qodirov Farrux. "IMPORTANCE OF KASH-HEALTH WEB PORTAL IN THE DEVELOPMENT OF MEDICAL SERVICES IN THE REGIONS." Conferencea (2022): 80-83.
68. Қодиров Фаррух Эргаш ўгли. "Ижтимоий ва хизмат кўрсатиш соҳасини ривожлантиришда соғлиқни сақлаш хизматларини эконометрик моделлаштиришнинг аҳамияти", Ўзбекистон Республикаси Фанлар Академияси ЎЗР ФА бирлашган қасаба уюшма кўмитаси Ўзбекистон Республикаси Фанлар академияси ёш олимлар кенгаши, 2022/9/30, ст-211-213.
69. Қодиров Фаррух Эргаш ўгли. "Вилоят аҳолисига соғлиқни сақлаш хизматлари кўрсатиш тармоқлари ривожланиш механизмининг статистик таҳлили". "Innovatsion texnologiyalar, IT-texnologiya va ishlab chiqarishda mehnat muhofazasi muommalari va yechimlari" mavzusida xorijiy hamkorlar ishtirokida Respublika ilmiy- amaliy anjuman materiallari, 2022/9/23, ст-540-545.
70. Qodirov Farrux Ergash o'g'li. "Optimum solutions for the development of medical services in private clinics", Raqamli transformatsiya jarayoniga axborot texnologiyalarini joriy etishda ma'lumotlarni himoyalash muammolari va yechimlari respublika ilmiy-amaliy anjumani ma'ruzalar to'plami, 2022/5/13, ст 79-82.
71. Қодиров Фаррух Эргаш ўғли, "Худудларда тиббий хизмат кўрсатишни эмпирик моделлаштириш", ХОРАЗМ МАЪМУН АКАДЕМИЯСИ АХБОРОТНОМАСИ, 2022, ст-119-123.
72. Qodirov Farrux Ergash o'g'li, "Аҳолига тиббий хизмат кўрсатиш соҳасининг келгуси ҳолатини башоратлаш", "Сервис" илмий-амалий журнал, 2022, ст 56-59.
73. Қодиров Фаррух Эргаш ўгли, "Қашқадарё вилояти аҳолисига тиббий хизмат кўрсатиш тармоқларини ривожлантиришнинг истиқболлари", AGRO ILM – O'ZBEKISTON QISHLOQ VA SUV XO'JALIGI, 2022, ст 119-120.
74. Халимов, Жавлонбек Шахриёрович. "ПРОГРАММА СОЦИАЛЬНО-ЭКОНОМИЧЕСКОГО РАЗВИТИЯ ЭКОНОМИЧЕСКОГО ПОТЕНЦИАЛА И ПРОМЫШЛЕННОСТИ РЕГИОНА В ЦЕЛОМ." E Conference Zone. 2022.
75. Suyunovich, Mukhitdinov Khudayar, and Khalimov Javlonbek Shakhriyovich. "Innovative Development Mechanism Of Digital Transformation Processes In Regional Industry." Journal of Pharmaceutical Negative Results (2022): 492-502.





76. Шарипов, Ғулом. "ЭЛЕКТРОН ТИЖОРАТНИ ТАШКИЛ ҚИЛИШДА РАҚАМЛИ ПЛАТФОРМАЛАР ВА ИОТ ТЕХНОЛОГИЯСИДАН ФОЙДАЛАНИШ." Zamonaviy dunyoda ijtimoiy fanlar: Nazariy va amaliy izlanishlar 2.1 (2023): 39-48.
77. Шарипов, Ғулом. "РАҚАМЛИ ИҚТИСОДИЁТ ШАРОИТИДА ЭЛЕКТРОН ТИЖОРАТНИ ТАКОМИЛЛАШТИРИШ." Zamonaviy dunyoda ilm-fan va texnologiya 2.4 (2023): 5-15.
78. Шарипов, Ғулом. "САНОАТ ЭЛЕКТРОН ТИЖОРАТДА РАҚАМЛИ ТРАНСФОРМАЦИЯ ЖАРАЁНИНИ ТАШКИЛ ҚИЛИШНИНГ АСОСИЙ СТРАТЕГИК ЙЎНАЛИШЛАРИ." Zamonaviy dunyoda innovatsion tadqiqotlar: Nazariy va amaliyot 2.4 (2023): 24-34.
79. Шарипов, Ғулом. "ЭЛЕКТРОН ТИЖОРАТНИ БОШҚАРИШДА АХБОРОТ-ТАҲЛИЛ ВОСИТАЛАРИНИ ҚЎЛЛАШ." Zamonaviy dunyoda amaliy fanlar: Muammolar va yechimlar 2.1 (2023): 28-37.
80. Qarshi o'g, Sharipov G'ulom. "Use of Information Analysis Tools in Electronic Commerce Management." Central Asian Journal of Literature, Philosophy and Culture 4.1 (2023): 179-185.
81. Qarshi o'g, Sharipov G'ulom. "Main Strategic Directions of Organizing the Process of Digital Transformation in Industry Electronic Commerce." Vital Annex: International Journal of Novel Research in Advanced Sciences 2.1 (2023): 176-182.
82. Qarshi o'g, Sharipov G'ulom. "Improving Electronic Commerce in the Digital Economy." AMERICAN JOURNAL OF SCIENCE AND LEARNING FOR DEVELOPMENT 2.1 (2023/1/30): 173-179.
83. Mukhitdinov Khudayar Suyunovich, Pardayev O'ktam Berdimurodovich, Rahimov Odil Berdievich, "AGRICULTURE CLUSTER IMPLEMENTATION IN A PRODUCTION SYSTEM", JOURNAL OF NORTHEASTERN UNIVERSITY, 2022/11/16, ст 1092-1106, ISSN: 1005-3026

