European Journal of Emerging Technology and Discoveries
ISSN (E): 2938-3617
Volume 1, Issue 9, December, 2023.

DEVELOPMENT OF MODERN DIRECTIONS OF DRIVING TRAINING AND RECOMMENDATIONS FOR INCREASING TRAFFIC SAFETY

Abdukhalil Ismoilov
Student of the E20-22 TVM group of the Faculty of Mechanical Engineering of the Fergana Polytechnic Institute, Fergana, Uzbekistan

Abdulatif Abdubannopov
Research Supervisor, Fergana Polytechnic Institute, Fergana, Uzbekistan
E-mail: iamabdubannopov@gmail.com

Abstract
The article describes the process of improving the mechanism of driver training and evaluating its impact on ensuring traffic safety, as well as the implementation of modern methods of driver training

Keywords: Road, transport, passenger, road traffic accident, safety.

Introduction

The government of the Republic of Uzbekistan pays great attention to the formation of a national informatization system, to the wide introduction and use of modern information technologies, computer equipment and telecommunication tools in all spheres of economy and social life to fully satisfy the growing needs of citizens for information. being directed [1-7].
Activities considered may include:
- introduction of modern systems of computerization and information and communication technologies, creation of reliable and safe national databases of information, development of the market of information resources and services, step-by-step transition to electronic forms of information exchange;
- wide implementation of computer and information technologies in real economic spheres, management, business, science and education, creation of conditions for wide use of modern computer and information systems by different strata of the population;
- introduction of progressive systems of education based on learning and active use of modern computer and information technologies into the educational process in schools, vocational colleges, academic lyceums and higher education institutions;
- creation of an effective mechanism for stimulating the development of the production of quality software products in our country, their export, etc.
Also, Decree No. 408 of the Cabinet of Ministers of the Republic of Uzbekistan dated May 31, 2018 "On further improvement of the licensing procedure for the provision of non-state educational services in the field of training, retraining and professional development of drivers of motor vehicles and urban electric transport The following requirements are defined by the Decision on measures:

- to increase the effectiveness and efficiency of the activity in the field of education based on the use of innovative pedagogical forms, methods and modern educational technologies, taking into account advanced international experience;
- introduction of an automated information system that allows monitoring the educational process and planning of the educational process aimed at increasing mastery;
- to provide the participants of the educational process with the necessary training, educational and methodical literature and other information-library resources to achieve the expected level of effectiveness of the educational process;
- to provide each teacher with detailed technological maps containing instructions on the use of educational programs, and various pedagogical technologies;
- to provide each learner (listener) with electronic teaching-methodical manuals with three-dimensional animation effects and video content covering the entire educational process in accordance with state requirements;
- the existence of a single test program with animation effects in accordance with the state requirements for the qualification of motor vehicle operators (drivers) to determine the quality of knowledge acquisition in training courses, etc. [8-14].

Exam part of education.

Practice is carried out the next day or on the same day, which is divided into two stages: driving a motor vehicle on an autodrome and driving it on the streets (district, city, village).

After completing the exercises, the students and the guide go out to manage the streets (district, city, village).

Passing this stage is similar to driving on the streets (district, city, village) with a DYHXX instructor [15-24].

In conclusion, the implementation of information technologies and communications, automation of educational processes and innovations in driving schools is now not only the online management of the entire process, ensuring transparency, and accelerating the exchange of information with state organizations, but also the demand of the 21st century. no exaggeration [21-29].

Comprehensive measures are being implemented in our country for the active development of the digital economy, the widespread introduction of modern information and communication technologies in all sectors and fields, first of all, in public administration, education, transport systems, health care and agriculture. . Including the decree of the President of the Republic of Uzbekistan dated 05.10.2020 No. PF 6079 on the approval of the "Digital Uzbekistan - 2030" strategy and measures for its effective implementation and the higher and secondary special education of the Republic of Uzbekistan to ensure the implementation of the order of the Ministry of Education No. 233 of March 27, 2020 "On the introduction of distance education in higher education institutions", in order to support the level of education of students through traditional and distance learning "Windows" "android" "IOS" is one of the most used systems, and an electronic textbook was developed from the module "Traffic rules and basics of safe driving" for phones running on this android system [25-31]. In the era of advanced digital technologies, it is necessary to quickly introduce online education models with effective use of information technologies. Such work is one of the priority tasks of the Information Technologies Center under the Central Council of the "Vatanparvar" organization [30-37].

European Journal of Emerging Technology and Discoveries
ISSN (E): 2938-3617
Volume 1, Issue 9, December, 2023.

Training of drivers, increasing the level of their education, improving or developing its methodology, developing an innovative method of improving the skills of drivers, and developing a method of increasing it without costs at a distance is the demand of today. If we take into account that traffic accidents are caused by the fault of drivers, it is necessary to regularly deliver laws, decisions and changes related to the system of driver training, improving the skills of drivers, and ensuring traffic safety. Therefore, the research is planned to be carried out in three stages [38-46].

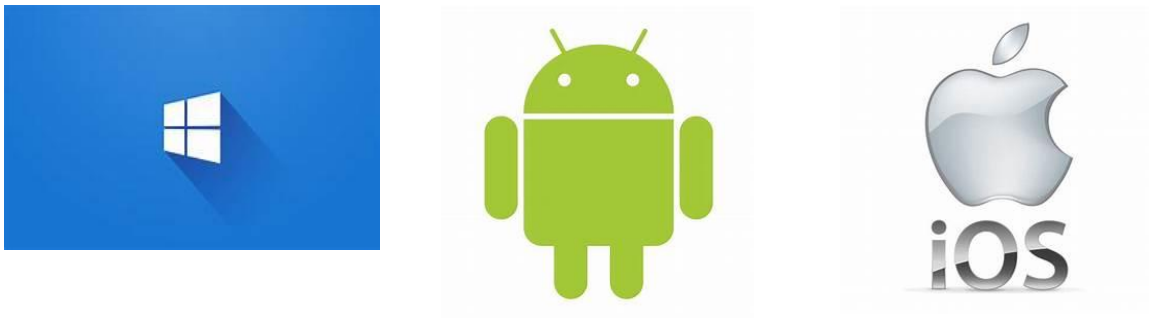

Figure 1. Systems used in electronic textbooks.

Figure 2. Electronic textbook view

Results and Discussion

Research was conducted among the students of the Department of "Ground Transport Systems and Their Operation" of the Faculty of Mechanics and Mechanical Engineering of the Fergana Polytechnic Institute and the students of the "Farpi Avtomaktab" driving school. The content of the study was that its participants were taught from the module "Traffic rules and basics of safe movement" based on the innovative method developed by the teaching authors. To find out the opinions and evaluations of the listeners about this method, a survey was conducted in the following content and the results of the survey were sent to the telegram channel of YUTT and E department:

One participant took part in the survey, according to its results

According to the result, 58% rated it as good, 41% as average, and 11% as unclear. In summary, 58% of respondents voted in favour of using the module's mobile application. Here are the advantages of using a mobile app:

- no internet is needed, which means there are no extra costs (it is intended to be distributed free of charge to students) and it provides an opportunity to study even in areas where there is a problem with the internet.
- the mobile application is programmed not in the form of a book, but as a presentation, which makes it easier for the student to study.
- at the end of the presentation, the placement of the video on the screen makes it easier for students and listeners to learn.
- since the mobile application is on a mobile phone, it is possible to use it in any region.
- there is an opportunity to multiply without excessive costs.

References

1. Ogli, I. A. A., & Maribjonovich, M. M. (2023). Test research method of determining the basic norm of fuel consumption of cars. *International Journal of Advance Scientific Research*, *3*(06), 362-367.
2. Z.M. Xametov, S.U. Xujamqulov, A.S. Xusanjonov, Q.X. Masodiqov Avtomobillar konstruksiyasi.”FARPI ALPHA”nashrioti, 2022
3. Khujamqulov, S. (2023). Measures to protect the environment from the harmful effects of motor transport. *European Journal of Emerging Technology and Discoveries*, *1*(4), 8-13.
4. Fayzullayev, X., & Mirtemirov, . A. . (2023). Avtomobil dvigatelining moylash tizimiga texnik xizmat ko’rsatish va ta’mirlash ishlari texnologiyasi. Zamonaviy Dunyoda Innovatsion Tadqiqotlar: Nazariya Va Amaliyot, 2(6), 31–35.
5. Fayzullayev Xaydarali, Ne'matov Ibrohimjon Alijon o'g'li. (2023). Avtomobillarga texnik xizmat ko'rsatish sohasida avtoservisni rivojlantirish tajribasi va istiqbollari. «zamonaviy Dunyoda Ilm-fan Va Texnologiya» Nomli Ilmiy-amaliy Konferensiya, 2(4), 62–65.
6. Ikromov, I. A., Abduraximov, A. A., &Fayzullayev, H. (2021). Experience and Prospects for the Development of Car Service in the Field of Car Maintenance. ISJ Theoretical & Applied Science, 11(103), 344-346.
7. Sahtarov, X. A. O., & Fayzullayev, X. (2022). Alternativ yoqilg‘ilarda ishlaydigan avtomobil konstruksiyalari tahlili. Academic research in educational sciences, 3(4), 1080-1087.
8. Maxammadjon Qobulov, Asrorjon Ismadiyorov, Xaydarali Fayzullayev.Analysis of the braking properties of the man cla 16.220 for severe operating conditions. European International Journal of Multidisciplinary Research and Management Studies. 2022/3/31
9. Xaydarali Fayzullayev. Vehicle Motion Model with Wheel Lock. Eurasian Journal of Engineering and Technology.2022/9/14
10. Xolahmad Abduholiq O‘g‘li Sahtarov, Xaydarali Fayzullayev. Academic research in educational sciences. 2022.
11. Maxammadjon Alijon O‘G‘Li Qobulov, Asrorjon Anvarjon O‘G‘Li Ismadiyorov, Xaydarali Fayzullayev. Academic research in educational sciences. 2022.
12. Fayzullaev Xaydarali. Analysis of the chemical composition of car tire rubber International Journal of Advance Scientific Research. 2022/12/24.

13. Xaydarali Fayzullayev, Azamat Mirtemirov. Avtomobil dvigatelining moylash tizimiga texnik xizmat ko'rsatish va ta'mirlash ishlari texnologiyasi. Инновационные исследования в современном мире: теория и практика. 2023/2/9
14. Xaydarali Fayzullayev, Ibrohimjon Ne'matov. Avtomobillarga texnik xizmat ko'rsatish sohasida avtoservisni rivojlantirish tajribasi va istiqbollari. Наука и технология в современном мире. 2023/1/30.
15. Bazarov Bakhtiyor Imamovich, Akhmatjanov Ravshanjon Nematjonovich, Fayzullayev Khaydarali, Odilov Odiljon Zokirjonovich, Otabayev Nodirjon Ibragimovich. Performance Indicators of a Passenger Car with a Spark Ignition Engine Functioning With Different Engine Fuels. Annals of the Romanian Society for Cell Biology. 2021/4/17
16. С.М.Ходжаев, М.С.Низомиддинова, Ч.О.Камбарова, & Н.С.Ходжаева (2022). Организация станции технического обслуживания при Ферганском политехническом институте. Science and Education, 3 (10), 265-274.
17. Обидов, Н. Г. (2019). Фрезерные дорожные машины в условиях эксплуатации в жарком климате узбекистана. In *Подъемно-транспортные, строительные, дорожные, путевые машины и робототехнические комплексы* (pp. 377-379).
18. Gayrat, B., Bekhzod, U., & Nuriddin, O. (2022). Determination of angles of sliding and rolling of potato tubers on surfaces consisting of different materials. *Universum: технические науки*, (4-12 (97)), 24-26.
19. Бахадиров FA, У. Б. (2021). Обидов HF Картошка туганакларини саралаш учун янгича конструкциядаги барабанли саралаш машинаси. *Научно-технический журнал ФерПИ. Фергана*, (1).
20. Таджиходжаева, М. Р., & Обидов, Н. Г. Конструктивные системы в природе и дорожных машинах. *Рецензенты: генеральный директор РУП «Гомельавтодор» СН Лазбекин*, 124.
21. Xujamkulov, S., Abdubannopov, A., & Botirov, B. (2021). Zamonaviy avtomobillarda qo'llaniladigan acceleration slip regulation tizimi tahlili. *Scientific progress*, *2*(1), 1467-1472.
22. Xujamqulov, S. U., Masodiqov, Q. X., & Abdunazarov, R. X. (2022, March). Prospects for the development of the automotive industry in uzbekistan. In *E Conference Zone* (pp. 98-100).
23. Meliboyev, A., Khujamqulov, S., & Masodiqov, J. (2021). Univer calculation-experimental method of researching the indicators of its toxicity in its management by changing the working capacity of the engine using the characteristics. *Экономика и социум*, (4-1), 207-210.
24. Fayziev, P. R., Tursunov, D. M., Khujamkulov, S., Ismandiyarov, A., & Abdubannopov, A. (2022). Overview of solar dryers for drying lumber and wood. *American Journal Of Applied Science And Technology*, *2*(04), 47-57.
25. Xujamqulov, S. U. O. G. L., & Masodiqov, Q. X. O. G. L. (2022). Avtotransport vositalarining ekspluatatsion xususiyatlarini kuzatish bo'yicha vazifalarni shakllantirish. *Academic research in educational sciences*, *3*(4), 503-508.
26. Masodiqov, Q. X. O. G. L., Xujamqulov, S., & Masodiqov, J. X. O. G. L. (2022). Avtomobil shinalarini ishlab chiqarish va eskirgan avtomobil shinalarini utilizatsiya qilish

bo'yicha eksperiment o'tkazish usuli. *Academic research in educational sciences*, *3*(4), 254-259.

27. Khujamkulov, S. U., & Khusanjonov, A. S. (2022). Transmission system of parallel lathe machine tools. *ACADEMICIA: An International Multidisciplinary Research Journal*, *12*(2), 142-145.
28. Umidjon o‘g‘li, K. S., Khusanboy o‘g‘li, M. Q., & Mukhammedovich, K. S. (2022). The formation of tasks for overview of operating properties of vehicles. *American Journal Of Applied Science And Technology*, *2*(05), 71-76.
29. Khujamqulov, S. (2022). A method of conducting experiments on the production of car tires and the disposal of obsolete car tires. *Science and innovation*, *1*(A3), 61-68.
30. Qobulov, M., Jaloldinov, G., & Masodiqov, Q. (2021). Existing systems of exploitation of motor vehicles. *Экономика и социум*, (4-1), 303-308.
31. Ходжаев С.М., Рахмонова С.С. (2022). Экономия ресурсов при эксплуатации, обслуживании автомобильной техники. Американский журнал междисциплинарных исследований и разработок , 5 , 18–27.
32. Otabayev, N. I., & Xodjayev, S. M. Measurement of tires pressure and load weight on the.
33. Abduraxmonov, A. G., Xodjayev, S. M., Otaboyev, N. I., & Abduraximov, A. A. (2022). Formation of products from powdered polymers by rotational and blowing method. European International Journal of Multidisciplinary Research and Management Studies, 2(03), 41-51.
34. Maxmudov, N. A., Ochilov, T. Y., Kamolov, O. Y., Ashurxodjaev, B. X., Abdug'aniev, S. A., & Xodjayev, S. M. (2021). TiN/Cr/Al 2 O 3 and TiN/Al 2 O 3 hybrid coatings structure features and properties resulting from combined treatment. Экономика и социум, (3-1), 176-181.
35. Xodjayev, S., Xusanjonov, A., & Botirov, B. (2021). Transport Vositalari Dvigatellarida Dimetilefir Yoqilg’isidan Foydalanish. Scientific progress, 2(1), 1531-1535.
36. Xodjayev, S., Xusanjonov, A., & Botirov, B. (2021). Gibrid dvigatelli avtomobillardan foydalanib ichki yonuv dvigatellari ishlab chiqargan quvvat samaradorligini oshirish va atrof-muhitga chiqarilayotgan zararli gazlarni kamaytirish. Scientific progress, 2(1), 1523-1530.
37. Qobulov, M., Ismadiyorov, A., & Fayzullayev, X. (2022). Analysis of the braking properties of the man cla 16.220 for severe operating conditions. European International Journal of Multidisciplinary Research and Management Studies, 2(03), 52-59.
38. Qobulov, M., Ismadiyorov, A., & Fayzullayev, X. (2022). Overcoming the Shortcomings Arising in the Process of Adapting Cars to the Compressed Gas. Eurasian Research Bulletin, 6, 109-113.
39. Qobulov, M. A. O. G. L., Ismadiyorov, A. A. O. G. L., & Fayzullayev, X. (2022). Yengil avtomobillarga siqilgan gazga moslashtirish jarayonida yuzga keladigan kamchiliklarni bartaraf etish. Academic research in educational sciences, 3(4), 471-477.
40. Otabayev, N. I., Odilov, O. Z., & Ibrohimov, O. N. (2023). The problem of ensuring the safety of vehicles in braking modes. European Journal of Emerging Technology and Discoveries, 1(4), 1-7.

41. Imamovich, B. B., Zokirjonovich, O. O., Ibragimovich, O. N., & Rashidovich, F. P. (2022). Method For Determining The Cetan Numbers Of Synthetic Diesel Fuel. Journal of Positive School Psychology, 6(9), 3827-3833.
42. Ibragimovich, O. N., & Zokirovich, O. O. (2022). Features of the use of liquefied petroleum gas with the addition of dimethyl ether as a fuel for a car with a spark ignition engine. Innovative Technologica: Methodical Research Journal, 3(10), 139-148.
43. Ibragimovich, O. N. (2022). Mathematical model of diesel internal combustion engine subsystem. Innovative Technologica: Methodical Research Journal, 3(09), 22-28.
44. Otaboyev, N. I., Qosimov, A. S. O., & Xoldorov, X. X. O. (2022). Avtopoezd tormozlanish jarayonini organish uchun avtopoezd turini tanlash. Scientific progress, 3(5), 87-92.
45. Qosimov, A. S., & Srojidinov, D. R. (2023). Avtopoezdlar tormoz mexanizimlari pnevmatik quvirlarining texnik holatini, avtopoezdlarning mos turiga tadbiq qilish. Educational Research in Universal Sciences, 2(3), 474-480.
46. Tojiboyev, S. I. (2023). Determination of the main indicators of the engine cooling system. *European Journal of Emerging Technology and Discoveries*, *1*(3), 60-64.