



ISSN: 2350-0328

International Journal of Advanced Research in Science, Engineering and Technology

Vol. 8, Issue 5, May 2021

Today's Role of Smart Logistics in Uzbekistan

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ABSTRACT: Today, at a time when the Covid-19 pandemic is widespread all over the world, quarantine requirements are introduced in our republic. In these conditions, maintaining a social distance between people and providing convenient services for citizens is a topical issue, and this issue is being asked to find solutions to existing problems in various sectors and spheres on the basis of new innovative solutions.

Due to these conditions and demand, the specialists of the Youth Innovation Center in Fergana developed a startup project for the creation of the mobile application "Smart Logistics".

KEY WORDS: world, quarantine requirements, parking fee and spend on average

I. INTRODUCTION

Today, on average from the only city of Fergana, more than 100 taxis and trucks carry out city-to-city flights per day. On average, 1 taxi costs 15 thousand rubles, parking lots are paid, and the client spends 3-5 hours to collect. Trucks pay an average of 30 thousand rubles a day of parking fee and spend on average up to 2-5 Days to collect cargo. In today's pandemic conditions, a mobile application is being created to provide taxi and cargo services convenient for citizens and customers by keeping the taxi and cargo service providers at a social distance.

The opportunity to use the city taxi service, select the car Russia, time and order through the mobile application "Smart logistics". In turn, the driver will be able to find passengers in his direction and in the short term will have the opportunity to gather conflict forces.

Expected results and their significance (expected results and their scientific and social significance).

- Truck drivers will find the cargo around their area via the mobile app and deliver it to their destination within a short period of time.

- Finding taxi cars remotely quickly and easily through the mobile application, both taxi service providers and customers provide convenience, saving them time, preventing excessive expenditure of funds and ensuring a high level of quality;

- Provides taxis and cargo carriers with the opportunity to save daily payments (15-30 thousand sums) to the parking lot (mobile application membership fee is 10 thousand sums in 1 Week);

Justification of the scientific novelty of the study, the solution of the task(s) set and the possibility of obtaining the planned results

- Reduces the average load on 2-5 Days for trucks up to 2 days and saves up to 30 thousand rubles per day for the parking lot (10 thousand rubles per mobile application membership fee);

The project will be ready for use for the first 3 months; the next 9 months will be implemented and promoted among the population. A separate employee is involved in the marketing and advertising of the project. The initial appearance of the project will be launched in 9 months, and the costs incurred will justify itself, and over the next months, work will be carried out on the new perfect appearances current.

The stages of information and communication technologies (ICT), their application to the real educational process, the creation of modern information infrastructure, the creation of Absolute New multimedia educational programs and their application to education are gradually coming to an end.

In this place, a natural question arises: how to evaluate the acquired knowledge and experience, what should be the next step?! For example, the problems of traditional educational processes associated with the application of ICT, including: the ever-growing variety of seemingly non-formal education associations in the world's internet networks, the exchange of "real" educational facilities with "virtual" ones, distance learning, etc.

At the modern stage of ICT development, there are needs that are not only classical educational technologies, but also e-learning (e-learning) cannot be satisfied. At the moment, Smart (visual communication) from the e-learning system. -the process of transition to e-learning and Smart Education (smart education) is going on. This concept embodies all the processes of the educational sphere, as well as all the methods and technologies used in this process, the modernization of these. Along with itself in the education section of the Smart console, form technologies such as



ISSN: 2350-0328

International Journal of Advanced Research in Science, Engineering and Technology

Vol. 8, Issue 5, May 2021

"smart board", "smart display", optional point-to-point Internet access. Each of these technologies allows you to build, deliver and actualize the content development process anew. As a result, it will be possible to carry out education not only in the classroom, but also at home, at work, in public places, at rest. This actively educates content as a key element in assessing the learning process goes out into the field. On its basis, a unique tutor will be created, which will overcome the barrier of time and space concepts.

Smart learning console is a set of quick adaptations to existing resources, maximum diversity of multimedia, quick adaptability to the level of the listener and the level. Continuous development of competence, constant growth and renewal of knowledge is one of the pressing problems in the modern educational system. The reason is that for the development of knowledge, now the impact of human capital begins to be scarce. When solving such issues, it is necessary to radically change not only the educational environment itself, but also the composition, instruments, methods of the educational system. It is necessary to improve knowledge such as analytical competence, ekes problem solving skills, developing new ideas — innovative features, a culture of mutual communication. Because giving knowledge on the basis of traditional educational parameters does not prepare people for Smart Society (Figure 1). In turn, without Smart technology, one cannot conduct innovative activities. If the training is left behind in this direction, it will break and Harden.

Currently, in the course of training, using multimedia tools, the use of presentations made in Microsoft Power Point or Macromedia Flash software packages is becoming more and more unusual, but at the same time, such interactive technologies are entering the field of education, as they compress presentations in the slide show category. The transfer of information to students using new interactive equipment (interactive board — Smart Boards, interactive display — Symposium) allows the speaker to create presentations in the course process itself. It is possible to write on Interactive Smart Boards boards with the help of special markers, display educational materials, give written comments on the on-screen image. At the same time, the data written on the Interactive Smart Board board are stored in magnetic carriers, printing them, sending them to the e-mail of the student who has not come to the lesson. During the lecture, the training material created on the Smart Board can be re-applied many times by recording it on the built-in video recorder.

Of course, to make maximum use of the capabilities of interactive smart boards today, special software (Smart Notebook, Bridget, Synchrony Eyes) has been developed. Each of this software has its own options. For example, a Smart Notebook works with texts and objects, stores information, converts written letters into printed letters. The Bridget program quickly and easily distributes presentations to partners from all over the world, receiving reviews on their documents. In order to do this, the program will appear in real time, in the window of all conference participants, in the same moment, with the allocation of their important positions in the teacher's speech on the general "working table". With the help of Synchrony Eyes (synchronous eye) software package, the teacher can monitor all the students, students can screen the working monitors, block, send training materials, textbooks, tests and control the process using the interactive board.

In the process of working with interactive whiteboards, the attention of all participants is concentrated, and they begin to master the learning materials very quickly. As a result of this, the indicator of mastering of each participant increases. The introduction of new educational technology into education, along with itself, ensures the transition of the educational scheme from a reproductive form to a creative form. There are two main objectives that modern Smart education has set for itself, these are:

1. To create sustainable motivation necessary for the acquisition of knowledge in students.
2. With the help of creative solutions, knowledge consists in the search for new forms and instruments of mastering.

II. MATERIALS AND METHODS

Simply put, smart education is an association of educational institutions and professors and teachers that carries out education through a single Internet network based on common standards, agreements and technologies. Tashkent University of Information Technologies is also implementing a number of projects on the application of ICT in the educational process, including in the current academic year on the Internet of the University's TV and Radio Broadcasting Systems Lincom.uz it will be appropriate (picture 2) to touch separately on the organization of the site named (Learning in communication). This site consists of several, sections, through which students will be able to regularly get acquainted with the innovations of the curriculum. They can also read and easily copy textbooks, manuals, educational-methodical manuals published in about a hundred countries and abroad from subjects such as "electromagnetism", "electromagnetic fields and waves", "Antenna basics", which are placed in the site library.

Logistics is known as the backbone of international trade; and its tremendous importance for economic growth is widely recognized. To this end any nation that wants economic prosperity should go to great lengths to achieve



ISSN: 2350-0328

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Vol. 8, Issue 5, May 2021

efficiency in its logistics industry. And to attain that the industry should be competitive. Since there have not been enough studies regarding the challenges Uzbekistan is confronting in developing a competitive logistics sector, this paper is aimed to consider the extent of competitiveness of logistics industry in the context of Uzbekistan and also suggests several motives impeding its development. Our team "EARTH" conducted research trying to address as many aspects in logistics that need developing or leastways examining for stumbling blocks as possible, and managed to classify these impediments into external and internal components according to their nature of causation, which we will discuss in more details in this paper. If Uzbekistan is to increase its economic potential and performance, one way of attaining this would be through establishing a competitive logistics system that deploys resources in the most efficient way possible and this paper provides recommendations that will hopefully help Uzbekistan realize this.

- **Transportation infrastructure**

The Central Asian states are unfavorably located in terms of both international trade and geopolitics. The reason is that the transportation routes of Central Asia were basically built to serve the needs of centralized after collapsing of Soviet Union, for Uzbekistan, the need for building new transportation networks was appeared. But, in recent years, Uzbekistan's overland infrastructure has declined due to low investment and poor maintenance. Now, the country has too much dependence on road and rail networks. Rail network accounts for 51% of freight Movement in 10 km and the index is 39% for road network. As of March 2017, the total length of Uzbekistan's main railway network is 4669 km. As of 2017, Uzbekistan had 183000 km of roads. The road infrastructure is deteriorating, particularly outside of Tashkent. No significant highway projects were underway in 2008, which caused inconvenient movement of goods outside of Tashkent, capital of the country.

As of 2012, Uzbekistan has 53 airports. Only the one in Tashkent is linked with European and Middle Eastern countries. The problem is, the national airline, Uzbekistan Airways flies mainly within the former Soviet Union and is used mainly for passenger movement.

Double landlocked Uzbekistan has no seaports. Its main river port is Termez on the Amu Darya River. But it lacks modern facilities and has shortage of spare parts.

- **Fuel Price**

Price fluctuations in the market for fuel has a constantly evolving effect on the logistics industry. In Uzbekistan, especially for freight management companies, high fuel price has Always been a problem as it affects transportation costs and eventually final price of the product or service. The average fuel price in the country is \$0.96, and in place according to list of countries with top expensive fuel prices. The price might seem somehow reasonable but if it is compared with the country.

Only by adapting of these processes, it is possible to maintain competitiveness in the current situation by developing key elements of its elements. Multimodal logistics centers and logistics sector play an important role in the development of specialized production and the expansion of international cooperation. Today, many developing and leading countries of the global economy have been proving themselves to be competitive in the world markets, primarily by gradual reforming, structural transformation and diversification, accelerated development of new high-tech enterprises and industries. is becoming one of the most pressing challenges ahead of us. In our country, further development of market infrastructure, creation of favorable business environment and new requirements of modernization of our economy are primarily connected with the development of logistics. The role of logistics in the process of further development of the economy of our country is impressive. This is especially important for the development of both advanced and emerging economies. At the same time, President of republic said in his lectures: "... We must ensure a clear order and strict discipline in all areas. Once again, I will do the job together, and each one will personally answer.

Also, the President of the Republic of Uzbekistan Sh.M.Mirziyoev defines "One of the main tasks of achieving the development and implementation of forecast parameters of road transport, engineering, communications and social infrastructure development and modernization."

In our country, new requirements for the further development of market infrastructure, creation of favorable business environment and modernization of our economy are primarily related to the development of logistics. This is especially important for the development of both advanced and emerging economies. On the priority directions of the Strategy for Action for the development and liberalization of the economy of the Republic of Uzbekistan in five priority areas of development in 2017-2021: "Enhancing the competitiveness through the deepening of structural reforms, modernization and diversification of leading sectors of the national economy, establishing free economic zones, industrial parks and small industrial zones increase the efficiency of existing zones, and render services development of the role and contribution of services in the formation of gross domestic product, radical transformation of the services provided by modern high technologies, further development of road infrastructure, introduction of



ISSN: 2350-0328

International Journal of Advanced Research in Science, Engineering and Technology

Vol. 8, Issue 5 , May 2021

information and communication technologies in the economy, social sphere, management system of management, storage, transportation and sales, and further enhancing the infrastructure of financial and other market services tasks.

With the current rapidly developing market economy, the issue of re-modernization and diversification of many sectors of the economy is urgent.

The national transport and forwarding organizations actively participating in the international cargo transportation are the first to recognize the importance of cargo logistics, multimodal and terminal systems, cargo transportation technology, modern telecommunications, also needed logistics. Large transport and freight forwarding organizations in Uzbekistan have begun to create their own terminal systems, so there is a need to create computer information systems that support freight logistics and logistics services. Logistics activities are integral and include an intermediate range of products (services), from satisfying them. Logistics in Macrostate reflects a collaborative effort with business integration through integration of various organizations. All activities and operations should be planned, managed and coordinated. The basic integrated structure of logistics is the creation of such key business areas as raw materials and supplies, production and sales, transportation, information and so on. The purpose of logistics is to understand all the ways of globalization, the movement of commodities, services, raw materials, and materials that cover a wide range of human activities. One of the key features of logistics is their joint work until the goods of different enterprises reach consumers. Reducing the cost of such activities will help to create reserves. At the same time, the lack of a mechanism for sharing the overall profitability among logistical partners somewhat reduces the effectiveness of this work.

At present, there is a tendency for growth and improvement of the logistics service market of the republic, the transport infrastructure is developing, the volume of regional trade and transit is increasing. National transport and logistics companies have all the opportunities for development of their business and bringing the level of logistics services to international standards.

Specific features of the logistics services market are also influenced by its optimization process. In our opinion, the optimization of the transport services market is important not only for achieving a positive effect on the interests of the industry, but also on the goal of achieving overall economic efficiency.

In order to further stimulate exports, technical regulation should be coordinated with international standards. One of our main goals is to produce high quality and certified products in the foreign market under the name of "Uzbek brand".

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