

INTRODUCTION OF INNOVATIVE MANAGEMENT IN THE SYSTEM OF PASSENGER TRANSPORTATION AND AUTOMATED SYSTEM OF PASSENGER TRANSPORTATION IN PASSENGER TRANSPORTATION

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ABSTRACT

The transport system is an important part of the country's production infrastructure, and its development, increasing the performance of the road transport system is of great importance today. Although the city's passenger transport system is undergoing regular changes, it does not fully meet the transport needs of passengers. Therefore, the issue of regulating, optimizing and studying the flow of passengers in all existing routes in the city remains relevant today.

KEYWORDS: *Infrastructure, Passenger Transport, Innovation Management Innovation, Innovator.*

INTRODUCTION

The strategy of actions on five priority directions of development of the Republic of Uzbekistan, adopted in our country on the direct initiative and under the leadership of President Shavkat Mirziyoyev, has started a new stage of development. The practical results, signs and features of this process are clearly visible today in all spheres of our lives, and most importantly, in the consciousness, aspirations and actions of our people. [1]

In particular, the fourth point of the Action Strategy, "Priorities for the development of the social sphere" is to radically improve transport services to the population, increase passenger safety and reduce emissions, purchase new buses, build and reconstruct bus stations and bus stations. Continuation of construction and reconstruction of road infrastructure, in particular, the development of regional highways, capital and current repairs of inter-farm rural roads, streets of settlements. [2]

We all know that transport is not only an active part of the material and technical base of the future great state of Uzbekistan, but also plays an important role in creating this base, continuing

the production process of the country's economy and bringing it to consumption. is a system that integrates industry, agriculture and transport. [3]

Today, transport as a component of the country's productive forces has become a huge dynamic system that implements a wide range of scientific and technical achievements. In improving this system, the following:

- The peculiarities of transport in relation to other sectors of the economy, its role and functions in the economy, as well as the basic principles and rules of transport activities; [4]
- Specific technical and technical-operational characteristics of some types of transport, achievements in the construction of roads, transport, scientific and technical problems specific to each type of transport and need to be addressed in the future; [5]
- Interaction of different modes of transport and problems of their joint development, ie comprehensive consideration of practical issues of use of different modes of transport and increase of their efficiency, including purposeful distribution of transport between modes of transport and correct definition of development of separate types of transport the study of problems is of particular importance. [6]

One of the important factors that determines the good performance of transport is its regularity of passengers and freight. The importance of transport in transporting the population from one place to another is growing from year to year. This work is mainly carried out using passenger transport. [7]

The main task of passenger transport is the timely delivery of workers to their places of work and after work, the transportation of workers and employees between enterprises and organizations in the course of work. In addition, passenger transport also plays an important role in meeting the personal needs of the population that are not directly related to production. Passenger transport also serves to expand the interaction of people, exchange experiences, and raise their cultural level. [8]

In the passenger transport system, as in other modes of transport, to fully meet the needs of the population in all types of services, reduce transportation times, increase the speed of passenger traffic, maintain regularity throughout the year, day and night, weather whims and various other reasons. to create as much convenience as possible, to ensure traffic safety, to protect the environment and other requirements. [9]

- ✓ Comprehensive implementation of these requirements is more technically and economically complex. Therefore, one of the ways to solve the problems in the system of passenger transport is to use innovative management in the improvement of the transport network, ie new opportunities in the fundamental, technical and technological, economic, organizational and managerial work in all practical areas. In order to manage the innovative activities of transport enterprises, it is necessary to create a department of "innovators" in enterprises and effectively use the potential of innovative personnel. Requirements for innovative personnel; [10]
- ✓ Good knowledge of the company's prospects and current problems;
- ✓ Have certain creative abilities;

- ✓ Identification and use of internal capacity of enterprises;
 - ✓ Increase their engineering potential;
 - ✓ Pay special attention to technological rearmament;
 - ✓ Shaping the spirit of constant change;
 - ✓ A sense of responsibility for promising results and time and resources;
- creation and development of creative environment in the enterprise.

So, the most important factor in ensuring the success of innovation activities in the enterprise is the human factor. Innovative management of road transport requires the creation of innovative creative teams that seek and disseminate innovations. [11]

The main tasks of studying the flow of passengers:

- ✚ Determination of the optimal number, type and length of traffic on the routes;
- ✚ Determining the optimal interval time between each vehicle;
- ✚ Reduction of parallelism of passenger transport routes;

increase revenue, reduce the number of unprofitable routes by reducing costs.

At the same time, the introduction of an automated fare payment system in urban passenger transport will allow optimizing the number of vehicles and routes by obtaining accurate information about the flow of passengers on the routes at any time. [12]

Introduction of an automated fare payment system in passenger transport.

Currently, the Toshshahartranshizmat Association is considering the introduction of an automated fare payment system (ATT) through the rapid payment of fares in urban passenger transport, the introduction of electronic tickets based on long-term contactless smart cards (KSK). The introduction of YTAT allows you to make cashless payments on various vehicles (subway, bus, and tram) using special plastic cards, turnstiles and validators. [13]

Advantages of the introduction of an automated fare payment system in urban passenger transport:

- ✓ - Use of transport services and payment of travel by cashless special plastic cards;
 - ✓ -Electronic control of traffic on city routes;
 - ✓ Increase revenue by 5-10% due to the full collection of tolls and the growing interest of the population in the use of public transport;
 - ✓ -Optimization of the number of vehicles and routes on the routes by obtaining accurate information about the flow of passengers;
 - ✓ -Automation of visual control of passengers with the right of free travel and other benefits;
 - ✓ - Prompt collection of information on ticket sales and passenger flow;
- Creation of conditions for the introduction of various tariffs for urban passenger transport. [14]

Problematic aspects of the introduction of an automated fare payment system in passenger transport

1.The installation of turnstiles on land vehicles will increase the time passengers have to get on and off buses and trams and can cause various inconveniences. (Situation in Moscow).

2.The introduction of a system without turnstiles requires the involvement of conductors in each vehicle, which in turn increases production costs. [15]

Toshshahartranshizmat has held talks with several foreign and local companies on the introduction of this system in urban passenger transport. These include South Korea's EB Corporation and LG CNS, Turkey's Kentkart, the United States' Sercotec Select LLC, local Uzbek companies - Multisoft Solution, Vades group, NPO Akadempribor, Ukraine's LOT. [16]

As a result of studying the experience of foreign countries, based on negotiations with foreign companies and the proposals received from them, it is planned to introduce an automated fare payment system in two stages in Tashkent. [17]

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