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### **Transport system of Golden Triangle in Uzbekistan: Problems and Solutions.**

**Abstract:** Uzbekistan is one of the countries which attract many tourists with its rich history and culture. The main touristic destination in this country is called "Golden Triangle": Samarkand, Bukhara and Khorezm. Tourism industry of these cities is quite beautiful, attractive and full of historical and cultural places. In order to develop the sustainability of the tourism in these cities, the government pays special attention to develop touristic services, especially transportation. Although there have been many redevelopments in this sphere, we can still see some problems related to transport service of "Golden Triangle". The aim of this article is to give short description to transportation in those cities and discussing some problems and solutions of them.

**Key words:** Golden Triangle, tourism industry, services, transportation, descriptions, problems and solutions

Uzbekistan is a colorful oasis of Central Asia. This country is like a box that you really want to open. Uzbekistan is also rich in its history, traditions and hospitable residents. This country was located on the middle of Great Silk Road and became the bridge to East and west. In order for a tourist to spend his time usefully and without boredom, we offer him a tour package called the "Golden triangle". This is a tour that consists of three main historical cities in Uzbekistan: Samarkand, Bukhoro and Khorezm. "Golden triangle" tour package starts from Samarkand.

Samarkand is the ancient capital of the east and the most beautiful city of modern Uzbekistan. This city is famous for its historical and cultural buildings as Registan square, Gori Amir, Bibikhanim and others. Bukhara is in the middle of the golden triangle and most famous place of this city is ark. This Ark is also considered as the symbol of this city. Third member of Golden triangle is Khorezm, the city of Ichan Qal`a. These cities are the most famous touristic destinations in Uzbekistan. That`s why the government pays special attention to create a comfort zone for tourists of in these cities by developing touristic services. When it comes to the comfortability, transport system takes special part. This service is the way to move from one destination to another one or within a destination and the way to carry touristic products. When we look in the past, it was animals to do these tasks. As time passed, this sector had developed and made travelling easier and faster. Many types of it have been developed. The main modes of them are the road, the rail, the water and the air. As Uzbekistan used to locate in the centre of Great Silk Road and one the well-known country where tourists have been visiting from ancient time, many developments are done by Ministry of Transport of the Republic of Uzbekistan in the sector of transportation in order to create comfort for tourists in terms of movement. However, we can still see some problems related to transportation in these cities. The main goal of this article to give a short description to the transport system of the golden triangle, some problems related to this topic as well as our own solutions.

After independence of the country, transport system has been also developed: new roads and modes such as metros and trams have come to exist; some of the airports have been reconstructed and become the international ones; special transports such as mini-buses have been produced for tourists and the first high speed train in Central Asia, bundling the city of Samarkand and Tashkent has started. However, some types of transportation are available in one destination. For example, trams are available in Samarkand while the first metro in Central

Asia is located in Tashkent. Apart from these transportations, special mini busses and big coaches are ready for visitors in Golden Triangle. Although there have been many developments in this field, we can still see some problems. The first problem in Golden Triangle related to transport system is the narrow roads. Take Bukhara's Mustaqillik and Samarkand's Amir Temur Street as an example. These roads so narrow that one can see traffic-jam in daily life. While doing research, we found that the problem is because of the wrong structure. For example, if we look at the Amir Temur Street, we can see the barrier between roads which was made to separate the road into two parts. This barrier's weigh is almost two meters with some trees in the middle of it. When it comes to weigh of it, we highly recommend to change the structure, for example, we can make the weight of the smaller as the barrier which is located in Dinamo Street. This type of structure can help to widen the roads and saves the place. In Amir Temur Street, there are some trees which were planted in the middle of the barrier and in the two side of main road. In order to save the trees which help to avoid air pollution, we offer other types of trees which take small place and can be more useful. These trees should be planted in two sides of the road and the ones in the barrier should be cut. Only if we plant the sort of trees which are more productive in terms of fighting against to the air pollution, the cutting can be sufficient. The next problem in transport system is related to public transportation: poor sanitation and the need of reconstruction. The local busses of the Golden triangle have really bad sanitation: the chairs have the dirty which can never be cleaned; the colour of some stuffs inside and outside of these busses have already lost and every time when you look at the window, you can see dust and dirty of the ages. Sometimes we can even see some rubbish on the floor. Apart from that, the local busses of Samarkand were produced in 1895 and now, they have really modernized reconstruction. Sometimes, even the doors stop working and make difficulties for passengers. Another problem of public transportation is the lack of modern technologies in it. For example, in South Korea's local busses, there is special AI

technology which makes it easy to pay the token. In terms of reconstruction, we recommend to add some special AI to construction of busses. The first one is special AI id reader which makes it easy for passengers to pay token. The only thing you should do is to show your special card to that id reader. Apart from that, there are also special buttons which alert the driver to stop when you press them. These types of technologies are really useful for our busses because they can create a comfortability for both tourists and local people. For example, if the visitors do not know the local language of the city, it will be more difficult for them in terms of communication when they use public transportation such as busses. Apart from that, there are some disabled local people such as deaf or dumb. With those technologies, visitors and disabled passengers can use the public transportation easily because they will not be required any type of communication.

The transportation is the main key in the tourism industry. The famous touristic destinations such as Golden Triangle cities, should pay special attention to the transport service of tourists if they want to create a sustainable tourism industry. The transportation is the only way to move from one place to another one and it helps to carry products around the Destinations. As it is important, there will be many developments in this field. However, we can still find several problems related to the transport service for tourists. Firstly, the condition of the roads are not satisfying at all. For example, the weight of these streets are too narrow that brings traffic jam and many accidents in the movement. To solve this problem, the structure of the road should be changed: the weight of the barrier in the middle of it is needed to be shortened. Decreased barriers can help us to avoid those problems above. The next problem in this sphere is related to public transportation: the condition of the busses. The local busses in Golden Triangle have really poor sanitation that passengers can easily get the infections. Apart from that, busses, especially the ones in Samarkand are at really bad conditions:

they were produced in 1895 and now they are struggling to work properly. Some functions of them do not work at all. Sometimes, they just give up working in the middle of the way and put passengers' life at risk. For the solution, we offer reconstruction and additions such as smart AI techniques which make tourists and disabled passengers' communication easy.