primarily may help Ukraine not to be left behind other countries where investors are already being invested in alternative energetics and have the opportunity to become a major energy exporter in the future, since our country has all the opportunities.

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Kovalova Olena PhD in Economics Bashynska Iryna PhD in Economics, Associate Professor Department of Accounting, Analysis and Audit Odessa National Polytechnic University (Odessa, Ukraine) PLAN AND SCHEME OF MEASURES TO REDUCE THE NEGATIVE PERCEPTION OF INNOVATIONS BY CARRIERS AND THE POPULATION (DIVIDED INTO GROUPS)

The introduction of smart metering in urban passenger transport based on the integration of smart innovations and information technology forms a certain set of reviews among consumers of passenger services, requires measurement, evaluation and the formation of a set of relevant measures.

The current model of functioning of urban passenger transport does not meet modern challenges and significantly lags behind the practical experience of developed economic systems. Service quality of passenger's transportation app is not long enough changed and is at an unsatisfactory level, to which one of the users has adapted, and the other – chose alternative ways to address the issue of mobility in everyday life. Due to the long absence of innovations in the quality aspect of passenger transportation services, innovations provoke an ambiguous reaction from all participants of urban passenger transportation, both users and carriers, the perception of which should be evaluated and minimized cases of the negative perception of smart innovations. So, it requires the development of a consistent algorithm of actions to implement a plan and scheme of measures to reduce the negative perception of innovations by carriers and the public.

An analysis of the perception of innovations by carriers has revealed certain risks for rejecting innovations for a number of reasons:

1) The existing system of passenger transport services, revenue or income of carriers depends on the workload of the route, its length, and the advance I motion graphics with carriers competitive routes.

2) Introduction of smart accounting and in urban passenger transport declines drivers feature obtaining funds in the form of fare, but in the case of passengers ignoring the need to buy a ticket in the absence of checks on the process will lead to a decrease in total revenues, which would wipe the city and the carrier.

3) The need to introduce the position of inspector performing random checks on passenger transportation routes requires the formation of a separate payroll for this category of workers. This financial burden should be taken into account in calculating the cost of passenger transportation, and in the future, it can lead to an increase in the amount of passenger transportation fees that fall on users.

4) Failure to fix the fixed cost of passenger transportation if their cost is linked to distance is an obstacle to long-term forecasting of financial results of operations, which will not allow planning technical re-equipment and necessary repairs of vehicles in the predicted future.

5) The need to monitor the support in the operational state of smart metering devices lies with the carrier. This driver passenger transport shall promptly report the situation and the incorrect use of smart accounting devices. 6) If it is not possible to pay the cost of transportation using smart metering devices, such a vehicle cannot be allowed on the route, which reduces the carrier's revenue and requires constant availability of technical support specialists to eliminate possible problems.

To reduce the negative perception of innovation on the part of carriers hold in the context of the subjects of the group – participants operating model of urban passenger transport, SWOT-analysis of the introduction of smart accounting and in urban passenger transport on the basis of integration of smart innovation, information technology and marketing tools (Table 5.2).

The SWOT-analysis made it possible to highlight the strengths and weaknesses of introducing smart metering for the carrier, to see the potential opportunities and threats that await it when participating in this model of passenger services.

The implementation indicated in the Table 5.2 opportunities for carriers will become available if a consistent system of measures is implemented to reduce the negative perception of the innovations indicated in Figure 5.4. They cover an action plan that is organizational, educational, economic and marketing in nature.

Implementation of measures within the framework of the action plan to reduce the negative perception of innovations by carriers should be implemented in stages, starting with the psychological perception of rationality and the need for change. After all, innovations introduced in the service sector are, in the first place, the nature of social and psychological changes for subjects of the passenger transportation market than technological.

Information awareness of carriers regarding the international practice of introducing smart metering in passenger transportation will reduce the tension of conflict of interests of participants and shift the emphasis to the economic attractiveness of the issue. A detailed justification of technological advantages in combination with economic benefits for carriers will minimize the risks of potential resistance to innovation during implementation.

The need to comply with the driver's traffic schedule will improve labor discipline and promptly identify the facts of its violation by the carrier.

The carrier will be interested in continuously monitoring the driver's strict observance of duties and the provision of quality transportation services, since the probability of continuing the contract with the city in the next reporting period will depend on this.

#### SWOT-analysis of the implementation of smart metering in urban passenger transport based on the integration of smart innovations, information technology and marketing tools from a position of consideration of carriers

consideration of carriers					
Strengths	Weaknesses				
1. Joining the creation of an	1. The limited resources of the budget				
innovative transport system creates a	system as a factor that can create delays in				
positive image of a carrier that	the payment of funds to carriers from the				
provides passenger transportation	budget.				
services.	2. The need for control and timely				
2. Obtaining a fixed income,	provision of information on the occurrence				
allows you to plan and predict	of technical mismatch of smart metering				
activities in the enterprise for the	devices.				
future.	3. The absence of an alternative				
3. Reducing the level of stress and	method of calculation, except for the use of				
emotional and psychological stress of	an electronic ticket system, does not allow				
drivers.	non-equipped vehicles to enter the route,				
4. The technological advantage of	which may lead to the termination of the				
market players who have joined the	contract with the carrier city.				
smart accounting system.					
5. Improving traffic safety, as					
drivers of passenger vehicles will not					
be distracted by the need to perform					
the functions of a cashier.					
Capabilities	Threats				
1. Positioning of the carrier as a	1. High competition between carriers				
1. Positioning of the carrier as a socially responsible business entity in	1. High competition between carriers for the opportunity to provide quality				
1. Positioning of the carrier as a socially responsible business entity in the market.	1. High competition between carriers for the opportunity to provide quality passenger transportation services.				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> <li>The opportunity to participate</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the expenditure part of the case according to</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> <li>The opportunity to participate in state programs for the development</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the expenditure part of the case according to the calculations of carriers.</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> <li>The opportunity to participate in state programs for the development of urban passenger transport.</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the expenditure part of the case according to the calculations of carriers.</li> <li>The low level of awareness of some</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> <li>The opportunity to participate in state programs for the development of urban passenger transport.</li> <li>Positive response from users,</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the expenditure part of the case according to the calculations of carriers.</li> <li>The low level of awareness of some categories of people using passenger</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> <li>The opportunity to participate in state programs for the development of urban passenger transport.</li> <li>Positive response from users, which is th tsya "testator" innovation</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the expenditure part of the case according to the calculations of carriers.</li> <li>The low level of awareness of some categories of people using passenger transportation services, as well as the</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> <li>The opportunity to participate in state programs for the development of urban passenger transport.</li> <li>Positive response from users, which is th tsya "testator" innovation will expand the target audience and to</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the expenditure part of the case according to the calculations of carriers.</li> <li>The low level of awareness of some categories of people using passenger transportation services, as well as the likelihood of incorrect use of smart</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> <li>The opportunity to participate in state programs for the development of urban passenger transport.</li> <li>Positive response from users, which is th tsya "testator" innovation will expand the target audience and to contribute to the reduction of car</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the expenditure part of the case according to the calculations of carriers.</li> <li>The low level of awareness of some categories of people using passenger transportation services, as well as the likelihood of incorrect use of smart metering devices.</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> <li>The opportunity to participate in state programs for the development of urban passenger transport.</li> <li>Positive response from users, which is th tsya "testator" innovation will expand the target audience and to</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the expenditure part of the case according to the calculations of carriers.</li> <li>The low level of awareness of some categories of people using passenger transportation services, as well as the likelihood of incorrect use of smart metering devices.</li> <li>Lack of sufficient public funding to</li> </ol>				
<ol> <li>Positioning of the carrier as a socially responsible business entity in the market.</li> <li>High loyalty of users of passenger transportation services, due to an increase in the level of quality of services in terms of compliance by carriers with traffic schedules, ease of payment for the use of services.</li> <li>The opportunity to participate in state programs for the development of urban passenger transport.</li> <li>Positive response from users, which is th tsya "testator" innovation will expand the target audience and to contribute to the reduction of car</li> </ol>	<ol> <li>High competition between carriers for the opportunity to provide quality passenger transportation services.</li> <li>Decrease in revenue compared to the modern passenger transportation model.</li> <li>The presence of an inflexible price system, which is under the control of state regulatory bodies, which may increase the risks of insufficient coverage of the expenditure part of the case according to the calculations of carriers.</li> <li>The low level of awareness of some categories of people using passenger transportation services, as well as the likelihood of incorrect use of smart metering devices.</li> </ol>				

Action Plan to Reduce Negative Perception of Innovation by Carriers

I. Familiarization of carriers with the project for the implementation of smart metering in urban passenger transport:

- familiarization of carriers with a comprehensive vision of the city model of urban passenger transport, based on innovative best practices in this area of "smart" cities (smart-cities);

- Reporting the rights and obligations of participants in the urban passenger transport market, which emphasizes the nature of cooperation and the distribution of possible risks between participants.

II. Carrying out familiarization events for carriers on the features of using smart metering devices.

III. Reporting on the feasibility of participating in the project of introducing smart metering in urban passenger transport for carriers from the point of view of the economic aspect of entrepreneurial activity:

- the benefits of planning and forecasting the expansion of activities as a result of obtaining a fixed income for the carrier for high-quality passenger transportation services;

- distribution of risks in the project of introducing smart accounting with the city.

IV. Creation of marketing content for carriers regarding the features and benefits of smart metering to popularize this project.

V. Implementation of a pilot project for innovations in smart metering of passenger traffic on selected carriers.

VI. Evaluation of the performance of smart passenger metering in the framework of a pilot innovation project.

VII. Support and control over the implementation of passenger transportation services using smart accounting.

## Figure 5.4 Action plan to reduce the negative perception of innovations by carriers

The transition to cashless fare payment will reduce the risk of profit shortfall, since in this model of functioning of urban passenger transport, payment for passenger transportation services is carried out by the city directly to the carrier. The intermediate link in the person of the driver, who acts as a cashier, disappears, so the probability of not accounting for part of the proceeds is excluded. The human factor when paying for fares when using the smart accounting system is minimized.

Consideration of a system of measures for reduction of th negative user experience of smart accounting innovations in urban passenger transport will spend by exercising their classification according to the principle of the age of social and distribution, which will determine the specificity of action applicable to each group.

As part of the study, 4 groups of users of passenger transportation services were identified (Fig. 5.5).

Population aged 25-40	Pensioners/preferential category				
	passenger transport services consumers				
Students	Tourists				

## Figure 5.5 Classification of consumers of passenger transportation services by age and social status

This classification will allow to identify the needs of each group, susceptibility to innovation and to formulate an action plan for the formation of positive feedback as a result of the introduction of a smart metering system in urban passenger transport based on the integration of smart innovations, information technology and marketing tools.

Factors that determine the characteristics of the consumption of passenger transportation services can be structured as follows: economic; cultural; social; psychological; marketing; situational; personal preferences, etc.

These factors are the main assessment of the reaction of the passenger transportation services market participants during the SWOT analysis when identifying strengths and weaknesses, threats and opportunities when introducing smart accounting innovations for each of the considered groups in the study.

The consumer group "students" is one of the least protected when traveling costs increase, since the need to get to study and additional electives require active movement for six days a week, and if smart metering is introduced, the fare will automatically increase due to the need for technical equipping vehicles, updating the composition and monitoring its contents in proper form. The weaknesses of this consumer segment in the SWOT analysis included low personal incomes (Table 5.3).

Table 5.3

	Clusters						
	Students (before 24 years old)	Familiesdifficultm(from 25financialcomfeto 45situation(from 2)		Families are more comfortable (from 27 to 50 years old)	Senior citizens		
	Cluster 5	Cluster 4	Cluster 3	Cluster 1	Cluster 2		
% of the population in the cluster	4 %	33%	20 %	18 %	25%		
Factor ↓	Average	Average	Average	Average	Average		
Student (high = yes)	70	0	0	0	0		
Senior Citizen (High = Yes)	0	7	7	21	76		
Age	6	37	37	43	73		
Feeling of financial comfort	42	41	17	35	11		
Average welfare	44	55	33	35	26		
Personal income	15	34	20	21	9		
Family income	51	56	43	45	30		
Barely covering basic needs	59	74	33	48	10		
Satisfaction with financial condition	47	48	19	33	12		
OECD Final Score	48	65	54	47	52		
Lack of funds	38	40	16	37	10		
OECD Conduct Score	48	70	55	47	55		

#### The main factors of the cluster analysis of income [8]

Consideration of the advantages and disadvantages of introducing smart metering in urban passenger transport based on the integration of smart innovations, information technology and marketing tools from the point of view of consumers in the age group from 25 to 40 years should be investigated using SWOT-analysis (Table 5.4). This tool will identify those issues on which e should pay special attention to the development of neutralizing the negative events of perception of innovation on the part of the population aged 25 to 40 years.

The next category of consumers of passenger transport services that requires consideration in the context of the introduction of an electronic ticket is pensioners. A SWOT-analysis of the introduction of smart metering in urban passenger transport based on the integration of smart innovations, information technology and marketing tools from the perspective of retirees is presented in Table 5.5.

Using smart accounting will allow you to clearly agree on the amounts that should be compensated to carriers for the transportation of privileged categories of citizens, and will prevent the risks of cost overruns or their misuse.

Smart accounting of passenger traffic allows you to create a transparent system of compensation of funds in the framework of the system of preferential transportation.

Now drivers must record the number of persons enjoying privileges for passenger transport, in the course of the traffic without the use of specialized software for this purpose, which can lead to errors in the calculations and cost overruns in the Budget compensation. The electronic ticket system thus improves the control function, which is based on actually confirmed data on the transportation of privileged categories of citizens.

Weaknesses include difficulty in understanding the features of cashless payments using retirees using an electronic ticket. Instructions for interaction with smart metering devices in urban passenger transport should be as accessible as possible for pensioners and not contain a double definition of certain positions on the features of technical operation.

Pensioners should be able to use smart metering devices when calculating a preferential electronic ticket without outside assistance.

A SWOT analysis of the introduction of smart metering in urban passenger transport based on the integration of smart innovations, information technology and marketing tools from a tourist perspective is presented in Table 5.6. SWOT-analysis of the introduction of smart metering in urban passenger transport based on the integration of smart innovations, information technology and marketing tools from a position of consideration of the population aged 25 to 40

consideration of the population aged 25 to 40				
Strengths	Weaknesses			
1. Active use of non-cash forms of	1. Negative past experience of using			
payment for goods and services in	the electronic ticket system in other cities			
everyday life, which develops a	of Ukraine or abroad.			
certain culture and consumer habits.	2. The insufficient income level of			
2. Ensuring a high degree of	families in difficult financial situation			
mobility, this is relevant for this	runs counter to the increase in the fare,			
segment of the economically active	which will be due to the need to update			
population.	the movable composition of urban public			
3. Savings on servicing and	transport.			
refueling a personal car when using	3. The lack of comfort in public			
public transport.	transport compared to a personal car.			
4. Using Internet banking, Mobile	4. Lack of dedicated lanes for public			
banking.	transport.			
5. Using gadgets with the	5. Insufficient awareness of the savings			
respective mobile and payment and	resulting from replenishment of the			
applications.	electronic ticket card at the nth cost of			
	travel.			
Capabilities	Threats			
1. Using an electronic ticket will	1. The ability to face incorrect work of			
improve the quality aspect of	equipment, providing smart accounting			
financial planning for the family	of passenger transportation.			
budget for a month.	2. The need to pay for travel each time			
2. Departure from the form of	during a transfer, which will increase the			
cash payments for passenger	cost of travel.			
transportation services will	3. The inconvenience of the process of			
eliminate the manifestations of the	buying / replenishing a card as part of the			
criminal situation in transport.	"electronic ticket" program.			
3. The positive experience of	4. Increase in the cost of paying for			
using the "electronic ticket" will	passenger transportation in connection			
expand the information on	with the need for technical equipment of			
convenience among older family	transport, updating the composition of			
members.	carriers.			
4. Preservation of the state of	5. More advantageous use of a ticket in			

#### SWOT-analysis of the introduction of smart metering in urban passenger transport based on the integration of smart innovations, information technology and marketing tools from a position of senior citizens

senior citizens						
Strengths	Weaknesses					
1. Transparency of settlements in	1. The use mainly of cash payments in					
the smart metering system in urban	the process of acquiring goods and					
passenger transport.	services.					
2. The use of preferential fares in	2. Reluctance to master innovative					
urban passenger electric vehicles.	technologies.					
3. Savings on servicing and	3. Unsuccessful personal previous					
refueling a personal car when using	experience using cashless payments.					
public transport.	4. The need for third-party assistance					
4. Meeting the need for quality	in the operation of smart metering devices					
passenger transportation services.	for cashless payments.					
	5. Lack of material support when using					
	transport that does not imply a preferential					
	fare.					
Capabilities	Threats					
1. Accurate accounting of the	1. Providing a limited number of					
number of preferential categories of	preferential trips by electronic ticket.					
the population, incl. pensioners who	2. The ability to encounter incorrect					
use urban transport services in	operation of equipment that provides smart					
calculating the amount of subsidies	metering of passenger traffic.					
and subsidies from budget funds.	3. Delay in targeted payments for the					
2. Updating the e -ended electric	preferential category of passengers.					
transport at the expense of funds	4. Incomplete coverage of all					
allocated from the budget, since it is	categories of transport for passengers					
the category of "senior citizens" is	using a preferential electronic ticket.					
actively used as a means of	5. More advantageous use of a ticket					
transportation trams, trolley buses.	in comparison with electronic.					
3. Identification of the person	6. The increase in the cost of paying					
enjoying the right to privileged travel	for passenger transportation due to the					
with the help of an individual	need for technical equipment of transport,					
privileged electronic ticket, which will	updating the composition of carriers in					
ensure the implementation of the	those modes of transport that do not					
principle of "targeted orientation" of	support the preferential travel					
budget funds.	arrangements for pensioners.					
4. The factor of psychological comfort in transport by minimizing						
the need for communications.						
the need for communications.						

#### SWOT-analysis of the introduction of smart metering in urban passenger transport based on the integration of smart innovations, information technology and marketing tools from a tourist nerspective

perspective				
Strengths	Weaknesses			
1. Experience in using the				
"electronic ticket" in the city / country	"electronic ticket" in the city / country of			
of residence.	residence.			
2. The possibility of cashless	2. The use of mainly cash payments.			
payments, which simplifies the need	3. Unsuccessful personal previous			
to convert cash currency and search	experience using cashless payments.			
for a commercial bank or exchange	4. Not a favorable rate when buying a			
office providing these services.	small number of trips.			
3. Getting high-quality passenger				
transportation services.				
Capabilities	Threats			
1. The possibility of financial	1. Inability to use preferential			
planning of the trip budget.	certification outside the city of residence.			
2. Ensuring the safety of travel in	2. The inconsistency of the mechanism			
public transport.	of budget compensation for the preferential			
3. Preservation of emotional	category of tourists.			
comfort in tourist trips.	3. The need for third-party assistance			
4. The formation of a positive	from local residents in the operation of			
image of the city as a result of the use	smart metering devices.			
of innovations in transport	4. Lack of the necessary language			
infrastructure.	layout when using smart metering devices.			
	5. The inconvenience of routes and			
	stops for tourists.			
	6. Stowaway.			

Thus, the study made it possible to identify risks, weaknesses and strengths, opportunities and threats as a result of reforming the current model of urban passenger transport functioning by carriers and consumers – the population, dividing the latter into groups (students aged 25-40, pensioners (beneficiaries), tourists).

Based on the SWOT-analysis of the introduction of smart metering in urban passenger transport based on the integration of smart innovations, information technologies and marketing tools from a position of carriers' consideration, measures were developed and proposed as part of an action plan to reduce the negative perception of innovations by carriers, which involves phased implementation. The reasons for the slow perception of innovation by staff are clarified and recommendations are given.

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Strategies for sustainable socio-economic development and mechanisms their implementation in the global dimension

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The authors of the book have come to the conclusion that it is necessary to effectively use modern approaches to developing and implementation strategies of sustainable socio-economic development in order to increase efficiency and competitiveness of economic entities. Basic research focuses on assessment of effectiveness the investment projects, use of cluster analysis the innovative activity of regions, formation and use of financial resources, competitiveness management and use of modern methods sale of the goods, effectiveness the activities of territorial communities. The research results have been implemented in the different models and strategies of project-oriented resource management, state management of development of territorial communities, implementation of the concept inclusive oriented economic development, efficient functioning and development of electric power enterprises, agricultural production, tourist industry, lifelong learning concepts. The results of the study can be used in decision-making at the level the economic entities in different areas of activity and organizational-legal forms of ownership, ministries and departments that promote of development the economic entities on the basis of models and strategies for sustainable socio-economic development. The results can also be used by students and young scientists in modern concepts and mechanisms for management of sustainable socio-economic development of economic entities in the condition of global economic transformations and challenges.

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