SUSTAINABLE DEVELOPMENT CITIES AND COMMUNITIES

Ahmadreza Zare
jackzare@gmail.com

Redko Kateryna, PhD
katredko@gmail.com

National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

As we know, UN has a global plan for sustainable developments and in these goals; it tries to help people all around the world and in every country for having some basic needs and a better life.

These plans should give us a better future and save us from some dangers that we can face and includes 17 categories and one of them is about urban life cities and communities so maybe you ask why?

In centuries ago cities were not this crowded and also most of the people prefer to still living in small towns or villages but now everything changed to find a better job better salary better services and better education and health people attracted to big cities also we are in the age of technology and of course most of the technologies first appear in the big cities so this can attract people to big cities too.

Now we have the problem that most of the population in the world live in the cities.

Half of humanity – 3.5 billion people – lives in cities today and 5 billion people are projected to live in cities by 2030.883 million people live in slums today and most them are found in Eastern and South-Eastern Asia. The world's cities occupy just 3 per cent of the Earth's land, but account for 60-80 per cent of energy consumption and 75 per cent of carbon emissions [1].

So we will have some problems for pollution because of cars companies and factories also the problem of finding house, expensive services, traffic and also crime.

Many people come to cities to find a better job but they can't and will live in Slums and being jobless can cause the country many people jobless so it increase poverty and also they will be without insurance so also health problem and without good education so increasing unprofessional labors and also face different culture from all part of the country can make them some problems and increase crime .and also the country will not have enough labor in the agriculture strategies and it means for having enough food they have to import a lot of foods from other countries and be depended for their food to others

So policies about urban life and cities are very important because most of the population living in cities now and also if we don't have a good plan for them it can make most part of our plans in education health , poverty, environment, agriculture and GDP and also energy ineffective

So we understood why the situation is important but first let see what are we facing and definitions we need. A city has many buildings and streets. It has houses or apartments for many people to live, shops where they may buy things, places for people to work and an organization to run the city, and to keep law and order in the city. People live in cities because it is easy for them to find and do the things they want there. A city usually has a "city center" where government and business take place, and places called suburbs where people live around the outside of the center [2,4].

City usually control by mayor and city consul and also help of some ministers but you know more population means that we need more services to provide and more also bigger problem we will see and it will be harder to manage the situation and when it comes to metropolises maybe sometimes impossible so with improving of technology, cities that are the home of most technologies now can use it for a better managing and become a better place with least of problems they usually face.

So for getting help of technology now we have the idea of the smart cities.

However, what is a smart city? Lately, there has been a lot of talk about smart cities – but do you know what they are? What defines a smart city and makes it different from a regular city?

In general, a smart city is a city that uses technology to provide services and solve city problems. A smart city does things like improve transportation and accessibility, improve social services, promote sustainability, and give its citizens a voice.

Though the term "smart cities" is new, the idea isn't. Ancient Roman cities actually used elements of the concept, such as using technology to make their citizens' lives easier. Aqueducts and water drainage systems are just two ways they did that.

The main goals of a smart city are to improve policy efficiency, reduce waste and inconvenience, improve social and economic quality, and maximize social inclusion [3].

Smart cities can improve a city in 6 different areas
1. Smart governance
2. Smart citizens
3. Smart environment or smart home
4. Smart economy
5. Smart mobility
6. Smart Energy
7. Smart governance

So how can a smart governance help the people? In my opinion in a smart governance we will have more information of peoples desire and needs so we can manage and find a better amount of each product to import and export also give more trust to others to invest in our society also it can help us to know more about incomes and expenditure of people specially who are working for government and make sure they will be able to have the basic needs and also control the basic salaries.

Also we can reduce the corruptions and ban people to trick others in many unnecessary spending, control corruption as diplomatic employment and financial and also reduce the power of mafia and black markets can help control the inflation control the some monopolies control the smuggling.

In addition, government can provide better services for people and find a better solution and also better plan for the country future.

It also help people trust more and make the total system more efficient.

However, one of the most important things is that it can help us stop many wastes that are not needed or maybe needed elsewhere. Services can be faster more comfortable and in the right place it reduce many of paper works and using papers that is so expensive and also hurt the nature and it can make more money to come into banks and and the money circle in the country and allow for more investments.

In addition, it can help us to reduce unequal managing in different provinces different jobs and between rich and poor people and give more justice and better life for everyone.

2. Smart citizens

We think it can give us the best communication services and we can find connection between different people can help each other in society.

3. Smart houses

They can help us to have an easier life to do our chores and help us with them also help us to control and manage our time and save more time and it can help us to reduce our wastes specially in energy and also control the parts that we're not able of doing and also can give us a safer place to live

4. Smart economy

We think this part can help us with the better investments and also find out the potential of the market and needed services and can guide the professionals labors to go on a correct direction and also make banking so much easier safer and also cheaper and give us better opportunity for buy or sell import or export in this system

5. Smart Mobility

We think it can help us with one of the biggest problem of cities, Traffic.

If we have a better plan in our mobility we can reduce the traffic waste of petrol and if people encourage to use common mobility services we can have also less traffic and pollution also we can make it faster easier more comfortable and it can help workers to rest more and also have a better morale in working time and less stressful so help nature and environment and also make whole city safer and also less injuries and accidents can happen and even save lives.

6. Smart energy

We think it can help us with less wastes and less costs for energy also knowing how much we must provide for future and clean energy also less pollution also I think it will help us to improve our mobility systems and providing better smart houses and governance so it can provide us to improve other base of smart cities too. So we know different parts and how they can help a city and it can help us a better faster safer life and future and using these items can make us a good place in the world competitiveness situation.

References:
1. UNITED NATIONS URL: https://Un.org (date of access 09.02.2019)
2. City. URL: https://en.wikipedia.org/wiki/City (date of access 09.02.2019)
3. What Exactly is a Smart City? URL: https://bismart.com/en/what-is-a-smart-city/ (date of access 09.02.2019)
4. UNDP support to the implementation of the 2030 Agenda for Sustainable Development URL: https://www.undp.org/content/undp/en/home/sustainable-development-goals/goal-11-sustainable-cities-and-communities/targets.html (date of access 09.02.2019)