

patient's condition and follow up with treatments, between doctors visits, things as drug creation, medication management and etc.

In Ukraine about one third of oncology patients learn their diagnosis already in the late stages of the disease and do not receive special treatment, more than 30% die without living a year after the diagnosis. About 40 thousand people die in a year because of cancer. There is no doubt that the use of AI can reduce these numbers and there are hopes that it will happen in the near future.

*Scientific supervisor: Murkina N.I.,  
Senior Lecturer*

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**Teslia O.V.**  
*National Aviation University, Kyiv*

## **QUALITY OF LIFE INDEX IN THE NETHERLANDS**

The quality of life index has a purpose of subjectively assessing the life in the country using objective factors of quality of life. The quality of life index includes such factors as: health, family life, civil life, material well-being, political stability and safety, climate and geography, guarantee of work, political freedom, gender equality.

The Netherlands is one of the leading countries in welfare indicators compared to other countries by the quality of life index.

You can't buy happiness but nevertheless it is a tool for the high life level in a country. In the Netherlands average per capita income is 28783 US dollars a year. But there is a big gap between poor and rich people – 20% earn four times less.

Employment analysis of the Netherlands shows that 75% of people aged 15-64 have a paid job. Nearly 80% of men have a paid job compared to women – 70%. The working age which is set by the government is 23 years old.

Being a qualified specialist with education and ability is a very important factor for job search. 78% of men and 76% of women have successfully finished secondary school. The education system is quite competitive compared to other countries. It is characterized by openness, democracy and innovation. New approaches are applied to improve the level of education.

The average life expectancy in the Netherlands is 82 years. Women's life expectancy is 83 years and men's is 80 years. The level of air pollution is not significant to damage citizens' lungs. Also the country ensures the quality of the water. The quality of the water is important not only for people but also for watering the fields that grow tulips and water supply to farms. Analysis shows that 93% of the people are contented with quality of the water.

There is a high level of civil participation in public sphere. An example is presence of citizens to take part in political processes which is 72%.

Accommodation is inseparable part of the life quality indicator. This is a place not only for sleeping and recreation but also a place where a person can feel safe, be alone, create a family. Accommodation costs are the big part of budget. Citizens spend nearly

20% of their income on housing payment. Living circumstances in the Netherlands are at enough level.

Personal safety also influences the people's welfare. In the Netherlands 81% of citizens feel safe during the night walk. The kill indicator is 0,6. People are sure about safety.

Welfare can also be analyzed from the viewpoint of satisfaction with life, positive aspects, absence of negative emotions. An example is an opinion poll that was held to evaluate the level of satisfaction of people with their life. Respondents had to rate from 0 to 10 whether they are contented with their life. Analysis shows that the average rating is 7,4 points.

In the middle of 2017 the Netherlands was the 5<sup>th</sup> country of 56 and its life quality index is 177,80. And Ukraine holds the 53<sup>rd</sup> place with index of 87,63. It shows that the Netherlands is a developed country. Its experience can be taken and applied to Ukraine.

*Scientific supervisor: Anpilohova T.V.,  
Senior Lecturer*

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**Tkachenko V.I.**

*National Aviation University, Kyiv*

## **PROBLEMS OF INFORMATION TECHNOLOGY DEVELOPMENT**

Nowadays information technology is related to all areas of our life. We begin to use it in the early age. As customers needs increase, they require to store more information, handle a large number of diverse operations, and perform more complex tasks. To meet the growing needs, information technology is constantly developing though creating some problems. Today Finland, Japan, the United Kingdom, Holland, Sweden and Switzerland are the leading countries in this area. Before proceeding to the consideration of problems in this area, we will clear up the essence and functions of information technology.

Information technology uses a set of tools and methods for collecting, processing and transmitting data to obtain new qualitative information about a particular object. Its purpose is to create information for human analysis and its adoption is based on the solution of a specific task. Information technology tools are various software products that help easily work with different types of information: database management systems, functional information systems, spreadsheets, etc. The main functions of the information system are to search and store necessary information, process, create or change data, solve optimization tasks.

Information technology plays a vital role in the development of socio-economic processes that affect the development of the country. One of the major problems preventing the progress is the lack of funding for this area, which leads to poor quality of work and loss of staff.

A topical issue is the process of training which should be clearly defined and built on modern methods and technologies. Otherwise, the number of professionals will reduce, which will lead to a shortage of professional staff that will be able to produce high-quality products and teach young professionals. At the same time, studying