CREATION AND USE OF NEURAL NETWORK IN IMAGES RECOGNITION.

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My dissertation is devoted to the creation of a neural network, the task of which is to recognize human cells and make a diagnosis.

The relevance of this topic lies in the fact that computer vision is a revolutionary technology that allows you to automate many processes related to work, training and security. The development of this technology is an important task, without which progress in the world of intelligent technologies will be too slow.

The purpose of this study is to create a neural network.

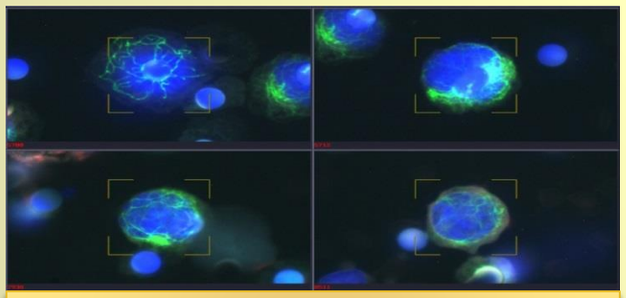

Рис.1. Захват нейронной сетью изображения.

There is an assumption that the constructed neural network will be able to distinguish between human cells, on the basis of which it will be possible to make a presumptive diagnosis..

A neural network was used as the object of the study, and the subject of the study is the application of this neural network in the field of medicine.

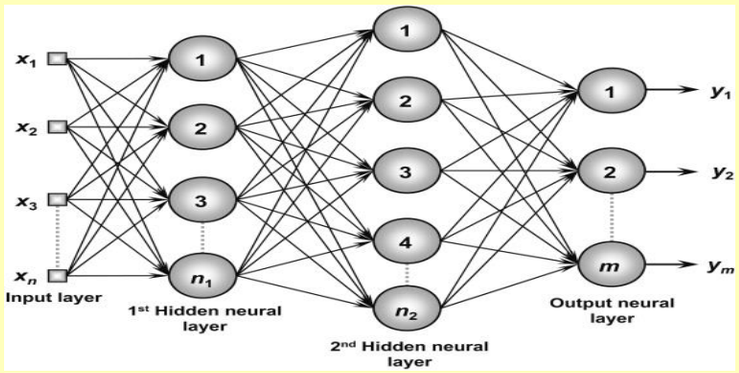

Рис.2. Структура нейронной сети.

Neural network allows automation of many processes and contributes to the development of intelligent technologies in scientific communities.

The practical value of the work lies in the fact that the built neural network can be used in medical institutions in order to improve the work of the organization.

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