

ABSTRACT

The work contains 66 pages, 17 illustrations, 11 sources of information were used.

The purpose is to analyze the architectural concepts of the Internet of Things for smart cities. Understanding the basic principles of construction and applying possibilities.

In recent years, the number of devices connected to the Internet has increased significantly and continues to grow rapidly. The process of urbanization is also taking confident steps. It is estimated that approximately 70% of the world's population will be living in cities and suburbs by 2050. Which will lead to search for new solutions to optimize processes in cities in order to improve the environmental situation, living standards and resource savings. This makes the concept of smart cities necessary. For successful and effective implementation of technologies that optimize the processes of smart cities, it is necessary to adhere to architectural concepts that combine smart things, modern technologies implemented within the urban infrastructure.

Key words: Internet of Things, IoT architecture, information and communication technologies, architectural concept of the Internet of Things.