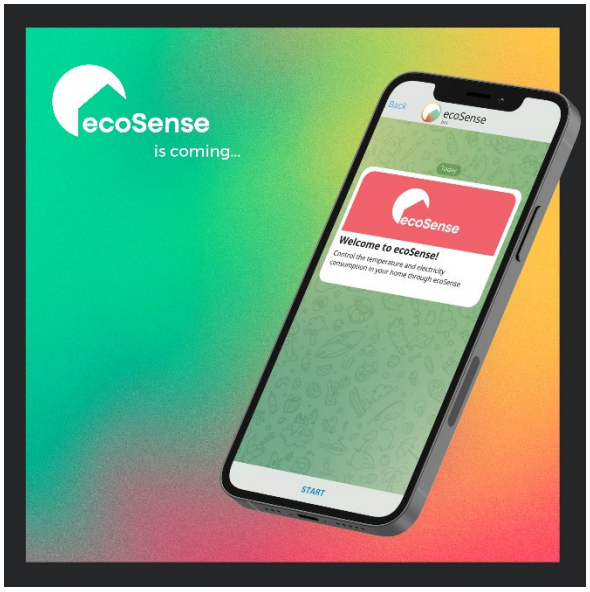
Technology is constantly developing, and its development improves the quality of life. Now technology has a new task in addition to improving the quality of life. It is to protect the environment. The creation of home-automation systems also contributes to this. Today, there are around 302 million smart homes worldwide, and this number is constantly increasing.



Our work aims to contribute to the realization of this goal. Its object is to create a system for measuring the temperature in different positions of the domestic environment as well as measuring the electrical power in electronic devices. Through this system, a reduction in electrical energy consumption and an improvement in the quality of life in indoor environments is achieved.

This data is collected through sensors and sent to a database where it is stored. Then the data is presented in a chatbot (automatic communication system), where the user can get the data they are looking for.

The creation of a functional system was achieved that offers anyone an opportunity to constantly check the temperature or the power of an electrical device only via a chatbot. For this, it was necessary to create electrical circuits, program software to receive data from sensors, and program a chatbot.