

## **Annotation**

In this project, we got acquainted with wireless telecommunications communication systems and showed signal processing in the MATLAB/Simulink programs. We considered the theory of wireless systems, the method of construction and features. And also using the Fast Fourier transform (FFT) and using the Fast Fourier transform (FFT) algorithms, we showed its calculation in the MATLAB program.

In the technical and economic part, we calculated the capital costs of signal processing and determined the economic efficiency of the project. In addition to, we also considered the issues of life and work safety.