

ABSTRACT

The structure and scope of work. Explanatory memorandum degree project consists of 5 chapters, contains 82 pages, 20 figures, 26 tables, 1 annexe, 16 sources.

The diploma project is dedicated to the development of the Web-application to support the delivery of secondary raw materials for processing.

The section of informational support describes input and output data for the web application and the structure of the database that allows to store all the data for the normal functioning of the application.

In the section on mathematical support was given method of solving the vehicle routing problem with time windows to provide a supplier with the opportunity to create a schedule for picking up secondary raw materials.

The software section describes the main tools that were used in the development of the Web-application, substantiates the chosen program architecture and imposes requirements to the technical support.

The technological section describes the user manual and the carried out testing of the functionality.

WASTE, RECYCLED MATERIALS, CARRIERS, SUPPLIERS, .NET FRAMEWORK, VRPTW, ANT COLONY OPTIMIZATION [ALGORITHM](#) .