1. **Year:** 2017 г.
2. **Title:** Building intelligent system that use semantic search methods
3. **Author:** Admisieva Alina Ruslanovna
4. **Research Supervisor:** Salomatina Natalia Vasilevna
5. **Specialization:** 45.03.04 "Intellectual systems in the humanitarian sphere" profile (Development and programming of intellectual systems in the humanitarian sphere)
6. **Bachelor's degree**
7. Institute of Linguistics, Communicational Management, and Informational Technologies
8. Chair of Intelligent Systems and Informational Management Technologies

**Topicality of the research:** To increase the relevance of search engine results it is necessary not only to search by query words in texts as it organized in typical search engines, but to take into the semantics of both the search query and the resources that are searched. This type of search is called semantic search - it is implemented not at the level of words, but at the level of knowledge structures.

**Objective:** Development of the intellectual system that searches through the database of economic scientific articles in Russian using methods of semantic analysis as one of the types of semantic search organization.

**Tasks:**
1) To determine the theoretical foundations of construction and simulation of intelligent systems using information technologies.
2) To explore the meaning of the concept "Semantic search" and identify methods of using semantic search in intelligent systems.
3) To determine the content, types and methodology of the semantic analysis of economic discourse.
4) To conduct a semantic analysis of economic terminology to identify the categories in the economic discourse.
5) To develop an intellectual system with the semantic search methods
Theoretical and practical significance of the research: lies in the possibility of using results of the research in theoretical and practical research and developments in the field of intelligent systems and semantic search.

Results of the research: The main result of the work is the creation of the intelligent system that uses methods of semantic search. The created intelligent system fully satisfies all requirements which were set at the beginning of the development to achieve the main goals of this qualification work.

Calculating the economic effect of using the intelligent system has been carried out that the using of the created system reduces the time and labor costs spent on searching for scientific economic articles in Russian by 4.2 times in comparison with the results of using analog systems.