On the Relevance of Creating a Terminological Dictionary for Computational Linguistics

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Abstract: This article provides information on the theoretical foundations of the term Computer Linguistics, the principles of its formation, scientific work in the field of terminology and terminology theory, approaches to the definition and description of these concepts.

Keywords: vocabulary, termin, terminology, machine translation, automatic editing, automatic teaching.

Introduction

The attitude of the speakers of a language towards language and its study plays a very important role in the formation of the world's languages.

Language is an important factor in the expression of the identity of a society as a nation or people, in the recognition of its identity to the world. We consider giving our independent state the status of the state language to the Uzbek language, recognizing the Uzbek language as the state language as the first step towards independence. Today, our country pays special attention to our native language.

The main part

Language is a product of thinking among members of society and is the most important means of communication. In the language of all peoples, its history, social image, artistic creativity and peculiarities of thinking are reflected.

It is known that changes in social life are reflected in the field of linguistics, as well as in all areas of science. Today, a number of new fields of linguistics have emerged as a result of different approaches to language and speech and the interaction of linguistics with other disciplines. Although this process took place in the world, mainly in the second half of the twentieth century, the development of such areas in Uzbek linguistics as neurolinguistics, computer linguistics, psycholinguistics, progmalinguistics began to enter after independence. It should be noted that computer linguistics, one of the innovations of the "XXI century - the century of computer technology" in Uzbek linguistics, is one of the most developed and developing areas of today. As a language develops, its vocabulary (including vocabulary, including terminology) changes more rapidly, significantly, and drastically than in other areas [3]. Of course, it is natural for a language to change its lexical layer as it develops. We see changes in the lexical structure of languages, mainly in the enrichment of new words. In the current era of globalization, the enrichment of the vocabulary, vocabulary and terminology of the Uzbek language does not occur only through the internal capabilities of our language.

Computer linguistics and innovative technologies (IT) are among the most developed fields of linguistics today. In particular, the development of these areas is the development of automatic reading systems, which are the main tasks of computer linguistics; creating software for machine translation; statistical analysis of dictionaries and computer texts; creation of electronic dictionaries and thesauruses; research on creating a text corpus has begun and is still ongoing [4] Research in computer linguistics in Uzbek linguistics has been fruitful. So far, many studies have been conducted in the field to obtain the degree of Doctor of Philosophy (PhD) and the degree of Doctor of Philology (DSc).

The emergence of the field of computer linguistics not only in modern Uzbek linguistics, but also in world linguistics, and many scientific works in this field have led to the emergence of a rich network of terms expressing different scientific concepts and ideas in the field.

In the texts of scientific research on computer linguistics, one can find many terms that are unique to this field of Uzbek linguistics, that is, computer linguistics itself. On the one hand, these terms should be studied not only as an integral part of the terms of Uzbek linguistics, but also as a specific terminology of computer linguistics. This will allow the scientific work in the field of computer linguistics, which is a new direction of our linguistics, to be developed in a comprehensive and perfect way.

Before elaborating on the theoretical foundations of computer linguistics terms and the principles of its formation, it is necessary to study the scientific work done in the field of terminology and terminology theory in general, and to focus on approaches to defining and describing these concepts.

According to sources collected and analyzed so far on the terminology of computer linguistics, the terms related to the field have not been studied in the existing dictionaries of linguistic terms. For example, A. Hodzhiyev's book "Explanatory Dictionary of Linguistic Terms", one of the first dictionaries in the field of terminology of Uzbek linguistics, contains more than two thousand terms, of which only about ten terms are related to computer linguistics. Examples include automatic translation, italics, linguistic analysis, mathematical linguistics, machine translation, modeling, and more [2]. Another glossary of terms is Nemat Mahkamov, Ikhtiyor Irmatov's Explanatory Dictionary of Linguistic Terms, published in 2013 for secondary schools, academic lyceums and vocational colleges. In addition, the terms of computer linguistics are included in A. Rahimov's book "Fundamentals of Computer Linguistics" [Algorithmic language is a programming-based artificial language in which the text must be directed to a specific interpreter, such as a human or an automatic device, in order for it to receive and understand information. If this process (acceptance and understanding) does not take place, then translator programs (or compilers) are used as intermediaries between algorithmic languages and computers. Algorithmic languages are imperative, that is, they rely on a command system (begin, end) [4]] and in N. Abdurahmanova's textbook "Computer Linguistics" [1] (Table 1).

Table 1. Some terms in the textbook "Computer Linguistics".

KONKARDANS	CONCORDANCE	All definite words or phrases in the korpora form a compound according to them
KONTEKST	CONTEXT	1) in corpus or text linguistics, a particular part of the text in which a particular word or phrase is expressed in a speech act 2) discourse analysis or a speech situation that affects the form and meaning of words in pragmatics

It is known that the presence of terms in each scientific field increases the effectiveness and scientific level of future work in this field. The development of the field of computer linguistics and the degree to which scientific work in this field is accurate and perfect requires the development of a terminology of computer linguistics.

Conclusion

In conclusion, the occurrence of many terms in the texts of scientific research on computer linguistics, which are relevant only for computer linguistics, which differs from the existing terms in Uzbek linguistics, is an urgent problem in the formation of specific terminology of computer linguistics and glossary shows. This will pave the way for the development of a glossary of terminology for computer linguistics and a glossary of terms for computer linguistics in the future.

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