

PROBLEMS AND SOLUTIONS OF COMPUTER LINGUISTICS

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Abstract: *This article describes and explains the origins of some computational linguistics problems, as well as how to solve them.*

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In the process of global integration and globalization, bringing the Uzbek language to the level of world languages has become one of the vital needs. In the realization of this big, responsible, very important goal, the need for computer technologies, in particular, computer linguistics (CL) is increasing. Because it is CL that will bring the Uzbek language to the world level, make the Uzbek language one of the world's languages, and create the necessary opportunity for the improvement of its learning and teaching. Its main goal is to develop and implement computer programs for solving linguistic problems.

CL is a separate independent department of linguistics, which serves to perform many complex tasks related to text processing with the help of computers. Today, it is appropriate to emphasize the following issues of Uzbek linguistics that should be solved in connection with the computer.

1. Creating a unique computer style of the Uzbek language;
 2. Development of criteria of formality, brevity, accuracy in informational texts;
 3. Setting standards for creating websites in the Uzbek language;
 4. Development of explanatory and translation dictionaries with the help of a computer;
 5. Improvement of production technologies of electronic versions of Uzbek language and literature textbooks;
 6. Creating English-Uzbek and Uzbek-English translation programs on the computer;
 7. Development of programs for computer editing of written texts and its implementation;
- etc.

At this point, we would like to emphasize the most important of these problems that need to be solved, that is, the issue of creating a unique computer style of the Uzbek language. After all, this issue is the basis of all the problems listed above, that is, an important solution.

We are rightfully proud of all the opportunities of the Uzbek language, the wealth of meaning, the vocabulary formed over the centuries, its beauty, as noted by His Holiness Alisher Navoi, which is superior to other languages. However, there can be no

place for artistic-imagery tools, various speech glosses and unique expressions and occasionalisms in the style. This style is formed and developed in parallel with the artistic (or art) style, but their fields of application differ from each other. Both styles (i.e., artistic style and computer style) are used by people from different fields. In computer style, according to the requirements of world standards, thoughts are clear, short, concise, adapted for processing on the display. If we do not create such a style, we will not be able to fully conduct business in Uzbek in various offices and institutions in our country. In our opinion, it is necessary to start teaching computer style in schools, lyceums and colleges along with artistic style. Then students will also have the opportunity to choose the option that is optimal for them: some student will study art style or art style based on their life needs, and another student will study computer style in depth. For example, let's turn to a comparative fact.

CL is the main tool for learning not only the Uzbek language, but also other languages, especially Russian and English. Also, in the training of translators specializing in scientific, artistic, business and advertising in higher and secondary special educational institutions, English in Uzbek and Uzbek in English CL will be good to help us in creating educational manuals and computer programs.

It is desirable to establish similar laboratories and departments of "Mathematics and Computer Linguistics" in other higher educational institutions of our country. Because such departments are currently included in the curricula of philology faculties of all higher educational institutions in our country. To teach subjects such as "Computer linguistics", "Higher mathematics", "Linguostatistical methods of text learning", "Lingvostatistics", "Computer lexicography", and to create lecture texts and training manuals. would have taken over.

Due to the lack of research on CL in Uzbekistan, not much experience has been gathered in this field. In general, every philologist should master the process of creating a site on the Internet, preparing commercials broadcasted by television and radio networks, creating banners, slogans and banners to be placed on the streets and avenues, on the facades of institutions and organizations.

Mathematical methods and computer technologies, which have penetrated into all spheres of social life, began to be used in philology as well. After all, this is the demand of development and progress.