COMPUTER LINGUISTICS AND ITS IMPORTANCE TODAY

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Abstract. If we say that the 21st century is the age of technology, then computer technologies, like technologies in all spheres, are developing even more. As a result, the demand for computers naturally increases day by day. It is precisely due to this need that the science of computational linguistics arose as a result of the consistent connection of language and computers.

In this research work, we also reflected on the importance of the field of computational linguistics in the formation of general linguistic foundations, the improvement of relations between languages, bringing the Uzbek language to the level of world languages, as well as the wide opportunities provided to us through computational linguistics.

Annotatsiya. XXI asr – texnika asri der ekanmiz, barcha sohadagi texnologiyalar kabi kompyuter texnologiyalari ham yanada rivojlanib bormoqda. Buning natijasida esa, kompyuterga bo'lgan talab kundan-kunga tabiyki oshib boradi. Aynan mana shu ehtiyoj tufayli til va kompyuterni izchil bog'lanishi natijasida kompyuter lingvistikasi fani paydo bo'ldi.

Biz ham ushbu tadqiqot ishimizda, Kompyuter lingvistikasi sohasining umumtil asoslarini shakllantirishda, tillar o'rtasidagi munosabatlarni takomillashtirishda, o'zbek tilini dunyoviy tillar darajasiga olib chiqishdagi ahamiyati hamda kompyuter lingvistikasi orqali bizga berilayotgan keng imkoniyatlar to'g'risida fikr yuritganmiz.

Аннотация. XXI век - век техники, компьютерные технологии, как и технологии во всех областях, продолжают развиваться. В результате спрос на компьютеры естественным образом растет день ото дня. Именно из-за этой потребности последовательное взаимодействие языка и компьютера привело к появлению компьютерной лингвистики.

В данной исследовательской работе мы также рассмотрели важность компьютерной лингвистики в формировании общеязыковых основ, совершенствовании отношений между языками, поднятии узбекского языка на уровень мировых языков, а также широкие возможности, предоставляемые нам компьютерной лингвистикой.

Keywords: *computer, computational linguistics, technology, language, text, automatic editing, translation.*

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As we all know, it is no exaggeration to say that raising the Uzbek language to the level of world languages is a vital necessity in the process of globalization taking place today on a global scale. Language is a means of understanding reality, having a certain idea of reality. At the same time, language is the foundation of innovations, inventions, and discoveries in all fields.

The social functions of language are expanding year by year. As a clear result of this, we can cite the field of Computational Linguistics. Computational linguistics arose as a result of the application of computer system capabilities in the field of linguistics. Computational linguistics occupies a special place in the formation of the foundations of a common language, in the improvement of relations between languages. [Computer Linguistics, Study Guide: 4]

Currently, the process of computerization is taking place at different levels in countries around the world. Regardless of the level of development, humanity has come to understand the incomparable role of information technologies in society. Computerization of all spheres of human activity is an important task of society today and a factor of social development. Without computerizing society, it is difficult to implement social changes and ensure a decent standard of living. [Computer Linguistics, Study Guide: 13] Computer linguistics involves increasing the level of computer literacy, teaching the user to think coherently, logically, and correctly, acquiring comprehensive knowledge about the functional scope of language, teaching languages, assessing knowledge, editing and analyzing texts, translating texts that are equally necessary for everyone today from one language to another, as well as forming theoretical knowledge and, of course, developing skills for practical application in certain areas. In general, *Computer linguistics is the effective use of computers and the determination of ways to solve linguistic problems using computer tools and the determination of ways to solve them using computer tools, the formation of theoretical knowledge and certain directions facilitates the development of practical application skills for the*

In the statistics of linguistic data, in the creation of dictionaries of various content, computer linguistics plays an important role. This science has a positive impact not only on linguistics, but also on the development of other fields. In particular, automatic editing (BORIS system), the translation process can be used in the analysis and translation of literary texts. [Computer Linguistics, Study Guide: 18]

At a time when the computer has become a part of our lives, specialists and linguists are conducting scientific research on the creation of mathematical and computer models of the Uzbek language, editing texts in the Uzbek language, and developing English-Uzbek or Russian-Uzbek computer translation programs. Issues

related to linguistics, such as language teaching, text editing, and translation from one language to another, are being consistently studied.

It is no secret that the aforementioned conveniences contribute to the development of negative consequences, such as computer addiction. This opinion is also reflected in the following sentences by Kh.E. Rakhmanov, J.T. Sunatov: It can be seen on social sites that becoming a slave to this helper is also reflected in the language, which is the soul and expression of the soul of a person. Although this is not among the main tasks of computational linguistics in the research on computational linguistics that we are currently observing, there is no doubt that this problem will be posed as the main issue at the intersection of psycholinguistics and computational linguistics in the near future. [5]

The development of computer linguistics, the creation of programs for various purposes, serves to ensure the development of other areas of linguistics. Computational linguistics also helps to eliminate cases of violation of orthographic norms and non-grammatical expressions.

However, as they say, there are two sides to a coin, one might wonder if these aforementioned conveniences will lead to negative consequences for some users. Because when we ask students to write flawlessly during university classes, it's heartbreaking to hear some students say, "We don't need to write spelling or stylistically correctly, there are programs on computers that can correct text" We must remember one thing: no matter how wisely we use computers, it certainly shouldn't harm our literacy. Whether to use a computer wisely or become dependent on it also depends on the person themselves. We have often heard that the internet is likened to a knife. In my opinion, a computer can also be compared to a knife based on the aforementioned positive and negative consequences. Because, like a knife, if we use it wisely, it won't harm us. Otherwise, damage is inevitable.

In conclusion, it can be said that the creation of a computer style of the Uzbek language is of great importance in our life and development. A computer style is created in the union of computer linguists and philologists. This is precisely the positive aspect of computational linguistics: it unites philologists and computer specialists.

Despite the fact that computational linguistics is a new direction, we can confidently say that if scientific research is carried out in this direction, as well as personnel training, and in general, if this direction develops further, it will become a large-scale field in the future, and a number of directions and areas will appear on its basis. Because the computer style, in accordance with the requirements of world standards, is clear, concise, clear to everyone, free from various artistic means of expression, strictly takes into account computer requirements and is adapted for computer processing. We can come to the general conclusion that without creating

this style, we will not be able to fully transition to conducting business in our country in our own language, that is, in the Uzbek language.

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