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Project purpose: to create an information style of the national language through the development of a synthesizer based on the Uzbek language for the visully impaired, to contribute to the development of the science of "Computer Linguistics".

Main objective: to study the existing experience in world computer linguistics on the project topic, to create a linguistic support and audio database for the synthesizer based on the laws of this language by applying advanced experimental methods to the Uzbek language; to develop an initial interpretation of the Uzbek speech synthesizer based on a database prepared within the project.

Expected results: Software has been created to synthesize artificial sound and speech as close as possible to natural sound, based on an audio database formed according to certain technical requirements and speech parameters, it is fresh invention in Uzbekistan.

In order to correctly indicate the place of stress in the learned words, the "Uzbek dictionary of accented words" containing 11,000 words was created. The program was also launched online via the "TTSuzbot" telegram bot and was widely disseminated to the general public.

Scope: The results of the project include the development of the computer industry, the enrichment of theories put forward in research in Uzbek computer linguistics with new approaches, the development of electronic dictionaries, their mobile applications, to write monographs, manuals, guidelines and textbooks in several subjects, such as " Computer tools and programming in linguistic research","Python programming language ","Corpus linguistics "," Computer lexicography ","Methods of artificial intelligence in computer linguistics " for students of higher education institutions, to create the organization of lectures, seminars and workshops on these disciplines, serves as an important resource in the formation of intellectual corpus platforms.

Project implementation: BV-Atex-2018- (143) practical project: "Development of Uzbek-based speaking software and voice synthesizer for the blind, which allows them to use computer technology, read and write texts Exit " for 2018-2020 (292,200,000 soums)