OMEDİ

We are in a process of radical changes in the way we communicate with computers and the new form of this communication is the use of voice commands. This allows users to access the data they want faster and more easily. In this Project, which we call Omedi, we have developed a morphologically based linguistics program (voice and tone processing), with the help of a tokenizer that first separates the sound came from the user into its components and then converts it into text and provides natural processing by finding the imperative modes we have previously determined in this text.

Omedi can be used by any computer user who wants to gain speed in their activities on the internet. For instance, while working on a subject that the user is focused on, he can easily Access information such as the time of day, daily news or weather by using Omedi without distracting him. In this way, it helps the user to research any subject with only the voice command instead of text input. Many companies can employ 24/7 support staff around the World to keep customer satisfaction high and help their users but this causes companies to spend money too much. That’s why companies often create help articles with an infinite amount of information for the FAQ’s (questions frequently asked) by users but these help articles are subject to too much information, causing users to be more overwhelmed and confused. Voice assistants can take questions from the user, guide them through their problems, instead of these situations and guide user to the right solutions. In the World, which proves these, some researches have been conducted where voice assistants are preferred by users. According to a [recent PwC report](https://www.pwc.com/us/en/services/consulting/library/consumer-intelligence-series/voice-assistants.html), “Consumers see voice assistants as the smarter, faster and easier way to perform everyday activities.” And that 93% of consumers are satisfied with their voice assistants; 50%, very satisfied. Voice assistants help people feel organized, informed, happy, smart, and confident.

If we examine the logical architecture of our system, we can examine it in 3-layer architecture as presentation tier, application tier and data tier. If we explain this 3-tier system through the Omedi program;

1. The user makes a request from the program via voice. (Presentation tier.)
2. This request is transferred to the application tier.
3. The application tier receives the required information from the data tier, i.e. from the internet.
4. The application tier creates an appropriate response to the users request and returns it to the presentation tier.
5. Presentation tier also conveys this answer to the user.

Here, it can be concluded that voice assistant is an application that can easily help users with all kinds of research problems.