



TED UNIVERSITY

Faculty of Engineering

Department of Computer Engineering

CMPE 491 – Project Proposal

by

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2 Name of the Project

Project name chosen as '**SignLinga**' for the English version and '**İşaretDilim**' for the Turkish version.

3 URL of the Project Web Page

You can access the project's web page [here](#) and view the information in this file there.

Full address is : <https://ozgeskrbyk.github.io>

4 Name of the Team Members

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5 Name of the Supervisor and Jury Members

Supervisor: Yücel Çımtay yucel.cimtay@tedu.edu.tr

Jury Member 1: Ulaş Güleç ulas.gulec@tedu.edu.tr

Jury Member 2: Emin Kuğu emin.kugu@tedu.edu.tr

6 Description of the Project

The aim of our project is to reduce biases between individuals who use sign language and those who do not, and to facilitate more effective communication.

To achieve this objective, we are developing an application. Our application analyzes the body movements of sign language users and aims to convert these movements into text in the most accurate and error-free manner. Users can have their sign language text converted into speech at any time. Similarly, users who do not know sign language can also convert their written text into sign language, enabling them to communicate more comfortably with sign language users. Another significant feature of our project is the option for users who may have difficulty with text input. We provide a microphone-based sign language translation feature. This is intended to help us take a strong step towards a more inclusive and confident world of communication.