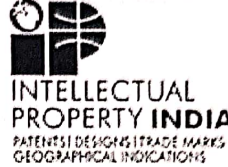


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Application Details

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APPLICANT NAME	SHAMGAR SOFTWARE SOLUTIONS
TITLE OF INVENTION	Intelligent Translator for the deaf and dumb (ITDD)
FIELD OF INVENTION	PHYSICS
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Application Status

APPLICATION STATUS

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## Patent Search

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### Abstract:

Sign language is a computer vision language that absorbs the signs like hand movement integration with facial expressions. Sign language is an ordinary language followed by people with a low level or no sense of hearing for conveying information like Deaf and Dumbs. Here a novel model was designed which converts sign language to voice and converts voice with combination emotion capturing and translates into sign language which will be displayed on Smart glasses. Here the smart glass technology is used. A (Natural Language Processing) Tools are used for voice to text and Machine Learning techniques used which helps classification models for emotion recognition and image categorizations. A microcontroller to process this translator operations and control operations. over this total system will be given power supply by rechargeable battery. With these features this created system performs better communication between both deaf and dumb person and normal person.