



Vivekanand Education Society's Institute Of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Institute Name	Vivekanand Education Society's Institute Of Technology
India Ranking 2023 ID	IR-E-C-33895
Discipline	Engineering
Parameter	Patents Details 2022

1. Converting sign language to text in real-time using Machine Learning and incorporating it to Google meet via Chrome extension.

Mrs Manisha Chattopadhyay

Application No.202221038190

Date of Filed : 02/07/2022

Abstract- Sign language is a source of communication used primarily by the community of speech and hearing-impaired people. The history of sign language goes as far behind as the Seventeenth century wherein the basic tool of communication for the aforementioned community was not universal but geography-specific. The work is based on the implementation of a Google Chrome extension for the Google meet (Videoconferencing) software which translates sign language into captions with the use of Machine Learning. Additionally, there is also a provision for text to speech for the translated texts. By making this extension, the foundation for a bridge is laid between users of ASL signs and the people who cannot understand them.

2. Electronic vision assistant system

Mrs.Manisha Joshi

Application No.201821041037A

Date of published: 27/05/2022

Abstract-The system of the present invention facilitates the blind user to have normal social interactions without the need to touch the face of a person to recognize him/her, using a convenient wearable device.