ARTIFICIAL INTELLIGENCE

Team ID	PNT2022TMID14463
Project Name	Real Time Communication System Powered By AI For Specially Abled

LITERATURE REVIEW

Survey 1:
Dhaya Sindhu Battina Lakshmisri (2021)
“AI voice based smart Device to assist deaf people in understanding and responding to their body language”

Human beings can communicate with one another via natural language channels including words and writing, or through body language (gestures) like hand gestures, head gesticulations, facial expressions, lip motion, and so forth. Learning to read and write in normal language is essential but knowing sign language is equally essential. Individuals who are partially deaf rely on sign language as their primary mode of communication.

Survey 2:

John Fredy Montes Mora, Juan Manuel Aldana Porras & Diego Fernando Castiblanco Franco march (2021)

“Promoting the Self-efficacy of Deaf People Through the Application of Translator of Signifiers”

The deaf community has had its self-efficacy affected by repeated experiences of failure to access written information used by the majority. In view of this fact, an application that translates meanings written in Spanish to the Colombian Sign Language (LSC) and that uses the Artificial Intelligence to give an answer to the Deaf, is constituted in a tool not only of inclusion but also of learning and self-efficacy for both Deaf and hearing people.

Survey 3:

D.Susritha Reddy, J.Kalpana, K.Subhasri, D. Lokesh(2021)

“An advanced Braille system-communication device forblind-deaf”

Braille System is a sense of touching system used by the blind-deaf people. Generally it is conventionally written with Design paper. The purpose of this

project is we are developing a new methodology with Braille system to read a message for blind and deaf people. In this project we are using GSM modem in order to receive a message. The contents and letters of the message is read by blind people. Reading messages will became easy because of the vibrator motor.

Survey 4:
Hugo Cheuk, Surendra Singh , Baby Sharma(2021) "Artificial Intelligence powered Dump Truck Smart Management System"

Dump Trucks are essential vehicles in any construction site for carrying materials. These vehicles have always been tedious to be managed due to their multi utilitarian nature which seeks a lot of surveillance effort. However, manual surveillance from entry to exit of job sites for these dump trucks is not feasible and thus most of the construction sites lack proper management of these vehicles which in long run severely effects productivity of the construction projects.

Survey 5:

Elena Smirnova (2020)

“Problems of ecology and ensuring environmental safety in relation to toxic KRASNY BOR”.

The problem of ecology and ensuring environmental safety in relation to toxic “Krasny Bor” landfill. Comprehensive analysis of the existing system shortcomings to storage toxic industrial waste has been given. The principal threats of a dangerous object to the environment being in a critical state have been discussed. Reliable and high-quality environmental monitoring in the landfill is still absent.

Survey 6:

Alys Young, Rosemary Oram & Jemina Napier(2019)

“Hearing people perceiving deaf people through sign language interpreters at work”

This article addresses the impact on occupational relations of mediated communication through a sign language interpreter from the perspective of hearing people who do not sign but who work alongside deaf signers in the workplace. Based on a phenomenological analysis of eight semi-structured interviews, findings address the influence of phonocentrism on working practice between deaf and hearing people. In particular, the implications of the inscription of identity and presence through an embodied language are discussed.