LITERATURE SURVEY

1. **REAL TIME COMMUNICATION SYSTEM POWERED BY AI FOR SPECIALLY ABLED**

JOURNEL NAME: smartclick.ai

DESCRIPTION:

Artificial Intelligence has been opening up new and simpler ways to manage our daily activities. With the big potential to automate tasks that typically require human intelligence, such as speech and voice recognition, visual perception, predictive text functionality, decision-making and performance of a variety of other tasks, AI can help individuals with disabilities by making a major difference in their ability to get around and take part in the activities of daily living.

Artificial Intelligence can be a game-changer for disabled people by making it easier to create interactive tools that support physical accessibility and independence. Let's go through some useful applications of Artificial Intelligence in this field and see how it can be used to improve the lives of those with disabilities in a number of ways.

2. **ARTIFICIAL INTELLIGENCE AND ACCESSIBLITY**

JOURNEL NAME: cacm.acm.org

DESCRIPTION:

According to the World Health Organization, more than one billion people worldwide have disabilities. The field of disability studies defines disability through a social lens; people are disabled to the extent that society creates accessibility barriers. AI technologies offer the possibility of removing many accessibility barriers; for example, computer vision might help people who are blind better sense the visual world, speech recognition and translation technologies might offer real-time captioning for people who are hard of hearing, and new robotic systems might augment the capabilities of people with limited mobility.

Considering the needs of users with disabilities can help technologists identify high-impact challenges whose solutions can advance the state of AI for all users; however, ethical challenges such as inclusivity, bias, privacy, error, expectation setting, simulated data, and social acceptability must be considered.

3. NATURAL LANGUAGE PROCESSING

JOURNEL NAME: ijert.org

DESCRIPTION:

Human Language and conversation is complex and subjective. The current standard forms of communication with machines involve mouse and keyboards, or a specific and basic set of verbal commands. This is different from how human interact, simply because the amount of variability in human communication; red in red hair is different from red in red apple. This fundamental problem of correctly representing concepts with symbols, or words, is greatly hindering the progression of Natural Language Processing. If these challenges are overcome, systems with Natural Language Processing would have the capabilities to express beliefs they have acquired, translate languages at human translator levels, understand the difference between a red apple and red hair, and process commands like hand me that purple thing down there into physical action.